



UWI
MONA CAMPUS
JAMAICA, WEST INDIES

DEPARTMENTAL REPORTS 2019/2020





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DEPARTMENTAL REPORTS

2019–2020

**REPORT TO CAMPUS COUNCIL, MONA
AND TO COUNCIL
FOR YEAR ENDING JULY 31, 2020**

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UWI
MONA CAMPUS
JAMAICA, WEST INDIES

Our Mission

**TO ADVANCE LEARNING, CREATE KNOWLEDGE AND
FOSTER INNOVATION FOR THE POSITIVE TRANSFORMATION
OF THE CARIBBEAN AND THE WIDER WORLD.**

Our Vision

**AN EXCELLENT GLOBAL UNIVERSITY ROOTED IN
THE CARIBBEAN**

Our Core Values

**INTEGRITY | EXCELLENCE | GENDER JUSTICE | DIVERSITY |
STUDENT CENTREDNESS**

Our Strategic Goals

ACCESS | ALIGNMENT | AGILITY

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FACULTY OF ENGINEERING

Mona

Year ending July 31, 2020



DR. ADRIAN LAWRENCE
Ph.D., P.E.
DEAN

Dean's Overview

WORK OF THE FACULTY

During the 2019–2020 academic year, the Faculty of Engineering (FOE) continued to effect changes to the curricula of its programmes. These modifications became necessary to improve course content and incorporate recommendations from ABET in keeping with the teaching and learning objectives of the Faculty. Some course codes were also changed to eliminate confusion with the UWI, St Augustine courses. (*See appendix*).

The FOE's intent to create a world class teaching and research facility; forging strong synergies with our industrial and commercial partners is still in focus. The main highlight of the Faculty, during the 2019–2020 academic year, was that lectures were transferred from face-to-face delivery to an online modality.

The Mona Campus of the University of the West Indies suspended the Face-to-Face delivery of courses on March 13, 2020 and resumed on April 14, 2020 in an online format. Lecturers were asked to use the time of suspension to prepare their lectures, tutorials and assignments for online delivery. The Faculty of Engineering's ENGVLE, was the platform that was used for this purpose. Training sessions were also used to prepare lecturers for this new online delivery medium and these were conducted via ZOOM.

Student Number Statistics

The number of applicants for engineering experienced a slight decrease, with the Preliminary Engineering programme having the highest overall enrolment and Civil Engineering registering the highest enrolment of all the degree programmes. Table 1 below shows a preliminary breakdown and variation in responses, as well as, the number of students registered.

Table 1: Admission Numbers

Responses	Civil	Computer Systems	Electrical Power	Electronics	Biomedical	Prelim	Total
Acceptance	63	1	19	23	28	112	246
Reject	30	0	37	27	27	103	224
Deferred	5	0	1	1	4	12	23
No response	33	0	26	20	19	103	201
Total Offers	131	1	83	71	78	330	694

Registration Breakdown:

Preliminary Engineering:	54
Biomedical Engineering:	16
Civil Engineering:	35
Electrical Power Engineering:	9
Electronics Engineering:	13
Total New students:	127

Total number of students enrolled: 246 students were registered at the beginning of the academic year. A significant number were de-registered as a result of financial blocks.

Academic Partnerships

- *University of Florida (UF):* The MOU with the University of Florida continued on its intended path. The 2+2 partnership for 8 engineering programmes had one candidate from the FOE that transitioned in Semester 1, of 2019–2020.
- SUNY Binghamton: Professor Anne Bailey, Professor of History and Africana Studies, and Dr. Peter J. Partell, Associate Dean, Academic Affairs & Administration at the Thomas J. Watson School of Engineering & Applied Science, visited the Faculty from September 23rd to September 25th, 2019 to discuss additional joint projects that would be of mutual interest. During their visit they met with academic staff and students, and was lead on a tour of the Faculty's laboratory facilities. Coming out of these very productive meetings, several avenues of collaboration in research and online graduate courses were identified, and joint action items developed.
- *New Fortress Energy (NFE):* The Faculty continues to benefit from NFE increasing partnerships in STEM outreach and creating sponsorships for teaching of a

semester 2 course on LNG Technologies. The course, EPNG3012 Cryogenic Engineering, introduces students to low-temperature engineering via the design and analysis of cryogenic systems. It includes the physics and engineering principals of cryogenic materials and fluids with emphasis on liquid natural gas technology, rectification system design, and instrumentation.

Accreditation

The FOE was notified during the 2018–2019 academic year that it had achieved International Accreditation from ABET for our BSc Electronics Engineering program. The final statement of accreditation was received from ABET in August 2019. The faculty is desirous of obtaining accreditation for our four remaining BSc programs; Civil, Electronics, Electrical Power and Biomedical Engineering, and we maintain our efforts towards continuous improvement and maintaining high standards in our academic offerings and delivery modalities.

Outreach Activities

- *Jamaica Institution of Engineers (JIE) Competition:* The annual JIE Engineers' Week *Bridge Building Competition* for 2019 was held at the University of Technology, Jamaica with Dr. Omar Thomas; lecturer at the Faculty of Engineering as Lead Facilitator. The UWI, Mona team, which consisted of second year Civil Engineering Students, placed third in the competition.
- *Faculty of Engineering Open Day:* The FOE held its second Open Day on November 6–7, 2019. Forty-nine sixth form students and three teachers from four (4) high schools in the corporate area were hosted over the two days. Activities were inclusive of students experiencing the “*life of an engineering student for a day*”, information sessions, hands-on activities comprising lab demonstrations and engineering challenges such as; a mini-bridge building challenge, a programming challenge and a robotics challenge. A survey conducted among the students revealed their responses to the open day events were positive. This is intended to expose students and stimulate their interest in the field of Engineering. It has now become an annual event for the Faculty.
- *High School visits:* Representatives from the FOE in collaboration with the Marketing, Recruitment and Communications Department visited a number of high schools and community colleges during the academic year. This continues to be our major marketing space for our programmes and we make every effort to ensure that we fully participate.
- *Visit to Bahamas:* The Faculty of Engineering partnered with the Office of Student Recruitment to participate in outreach activities in the Bahamas. Dr. Omar Thomas (Deputy Dean, Outreach, Internationalization and Marketing)

and Mrs. Bolero-Haughton (Assistant Registrar, Recruitment) visited the Bahamas November 12–16, 2019. The main intent was to promote the Faculty and its programs to prospective applicants. The team participated in radio and television interviews, college fairs for the Queens and Nassau Colleges, as well as an Information session at The UWI Center for Hotel Tourism and Management.

- *Marketing Opportunities:* The Faculty of Engineering ran advertisements on Television Jamaica (TVJ), Facebook, Instagram and Google. Advertisements were also displayed in the Palace Amusement cinemas during February 2020.

Donations/Contributions

Engineering Bursaries: The Faculty continues to assist needy students who meet the minimum eligibility requirements with an engineering bursary. The value of bursaries awarded range from J\$200,000 to J\$400,000. The recipients can be at any level in the programme and must maintain a minimum GPA of 3.0 to continue the bursary.

Energy Management Unit (EMU)

The Energy Management Unit's Engineer, Stanley Smellie, returned to office on 18th May 2020, having completed sabbatical study and vacation leaves that started on 24th September 2018. He spent 13 months in the United Kingdom on a Split-site Commonwealth Scholarship and the remaining months in Jamaica completing the graduate course Environmental Impact Assessment, adjunct lecturing and doing PhD research. The EMU within the Faculty of Engineering is committed to contributing to the restoration of the Mona Campus to financial health whilst successfully transitioning it into a green and environmentally smart campus.

The EMU continues to make meaningful contributions in the areas of strategic funding of the university, grantsmanship, cost cutting initiatives, economic analysis of proposals, among other areas. In addition, and central to its operations, the EMU continues to lead in the campus-wide management of energy and environmental policies and programmes, which are important aspects of The UWI Triple A Strategic Plan.

The EMU developed a draft MOU with the Bureau of Standards Jamaica (BSJ) that would see the Mona Campus assisting the BSJ in the development and execution of a sustainable energy management plan for the BSJ. This initiative was important for student internship opportunities.

They:

- Secured a multi-million-dollar EBSCO Solar PV grant for the design and development of a solar PV system for the Science and Engineering Branch Library

(SEBL). This project had many positives including sustainability, curriculum development and cost cutting.

- Secured the interest of the Petroleum Corporation of Jamaica (PCJ) for a multi-million-dollar contract to safely remove mercury from fluorescent lamps prior to disposal.
- Developed a proposed plan and identified a potential private funding and technical partner for the design, procurement, installation, and operation of a 2MWp Solar PV system for The UWI Mona which had curriculum development at its core.
- Developed a technical plan for upgrading all fluorescent lighting systems, high pressure sodium and mercury vapour lamps to LED lighting. This included indoor and outdoor lighting.
- Collaborated with the Estate Management Department and developed a pricing mechanism for water utility that streamlined the cost recovery process, considering significant operational changes made to campus water supplier.
- Partnered with CARICOM to host 15 delegates at The UWI, Mona as part of a CARICOM National Universities Study Tour to Jamaica. The delegates comprised campus registrars and heads of departments from higher education institutions in CARICOM, including UTECH and CMU.

Employee Engagement and Development:

- The Faculty of Engineering hosted its annual Staff Retreat at the Faculty on July 24, 2020. The focus of the retreat was to look at our teaching and delivery systems, facilities, administrative system, and technical and support services. Measures to further improve our efficiencies and the finalization of the Faculty's strategic plan were discussed.
- Administrative Staff participated in a number of training and development programs for capacity building during the academic year.

Graduate Research Degrees:

In Academic Year 2019/2020, there were nine (9) graduate students enrolled in the Faculty of Engineering; five (5) students pursuing PhDs and four (4) enrolled in MPhil programs. These students' area of research span the fields of Biomedical, Civil Engineering, Electronics and Computer Engineering, and Transportation Engineering.

Students attended a total of 16 seminars for the 2019/2020 academic year. New to the seminars this year was the inclusion of presentations by Faculty members. These presentations exposed the graduate students to the varying research methodologies employed by lectures, and was introduced in an effort to broaden the scope of

knowledge exchange within the Faculty which will ultimately enhance the quality of the research output of the Faculty.

PAPERS PRESENTED

- Wright, Sasha-Gay – “Bioengineering of a Jamaican plant to effect cell cycle arrest in Breast and Prostate cancer cells”. Wright, S., Aiken W., Asemota, H., JIE Conference September 2019.

PUBLICATIONS

- Alli, K., and Latchman H., “Methods of Solving Multi-Area Economic Dispatch Problems – A Comparative Survey and Proposed Candidate SDP Approach” International Conference on Emerging Trends in Engineering and Technology (IConETech-2020), University of The West Indies, St. Augustine Campus, Trinidad and Tobago, March 2020.
- Smith, D.A.Y., Mussington, T., “Coastal Practices in the Caribbean and Other SIDS: A Tool for Enhancing Resilience” International Conference on Coastal Engineering (ICCE) 2020.
- Smith, D.A.Y., Lyn-Shue, R., Warner, P., Banton, J., “Rock Armour: A Benthic Habitat Providing Valuable Ecosystem Services in the Caribbean Sea” International Conference on Coastal Engineering (ICCE) 2020.
- Kumar, U.A., Ershad, S., Rakhee,” An Evaluation of the Canny Edge Detection Algorithm Using Hybrid Approximate Adder Architecture”, IEEE HYDCON 2020, Hyderabad.
- Thomas, O., Henry G., Bishop, K., Francis, K., Binns, A., “Alternative Foundation Design for Temporary Housing Units”, International Conference on Emerging Trends in Engineering and Technology (IConETech-2020), University of The West Indies, St. Augustine Campus, Trinidad and Tobago March, 2020.
- Wright, S., “The Anti-cancer effects of the Jamaican Round-leaf yellow yam (*D. cayenensis*) and its Potential use for Green Nanoparticles”, International Conference on Emerging Trends in Engineering and Technology (IConETech-2020), University of The West Indies, St. Augustine Campus, Trinidad and Tobago March, 2020.

INCOME GENERATION

- *Income for FOE:* Preliminary reports from Commercial Operations showed the FOE generated revenue of J\$241,804,769.28 from tuition collected for the Preliminary program and four BSc programmes for the 2019/2020 academic year. Income of \$1,199,134.02 was also generated from other commercial activities primarily from the Energy Management Unit.

Expenditure: Total expenditure for the 2019–20 totalled \$68,223,976.58 million.

- *Mona-Tech Engineering Services (MTES):* MTES has successfully completed its fifth year of operations. In Academic Year 2019–2020 the following activities were continued:
 - Provide oversight as well as operation and maintenance services of the CoGen plant
 - Provide Air Conditioning maintenance and repair services to the Mona and WJC campuses. All split and window units are serviced at least twice per year creating an estimated energy savings of over \$30 million per year.

PUBLIC SERVICE

Aiken, Paul

- Senior Member, Institute of Electrical and Electronics Engineers (IEEE)
- Member, Board of Directors, Petrojam Limited.
- Member, Continuing Education Committee, Professional Engineers Registration Board (PERB)
- Member, Engineering Accreditation Committee, University Council of Jamaica (UCJ).

Ellis, Leighton

- Journal manuscript reviewer, *ASCE Journal of Management in Engineering* (2012–present)
- Journal manuscript reviewer, *ASCE Journal of Legal Affairs and Dispute Resolution in Engineering and Construction* (2019–present)
- Chairperson for the Institution of Civil Engineers West Indies Local Association [ICEWILA] (2016 to present)
- Vice President for Caribbean Water and Wastewater Association (CWWA)

Falconer, Lindon

- Member of the IEEE and the Acoustical Society of America.
- Examiner, Board of Examiners (Licensing of Electricians) Ministry of Science, Technology, Energy and Mining (MSTEM).

Lawrence, Adrian

- Peer reviewer, *American Concrete Institute's (ACI) Journal*.
- Reviewer for the American Concrete Institute's (ACI) Technical Activities Committee (TAC).

- Instructor, Professional Engineering (PE) License Exam, United States.
- Member, Jamaica Bureau of Standards' Building and Associated Materials Technical Committee

McMorris, Nicolas

- Member, Board of Directors of the Professional Engineering Registration Board (PERB)
- Assistant Chief Examiner, CAPE for Building & Mechanical Drawing

Rakhee

- Reviewer for International Conference on Computing Science, Communication and Security (COMS2 2020)", INDIA, 2020.
- Technical Committee member for International Conference on Computing Science, Communication and Security (COMS2 2020).
- Editorial member for book titled, *Quantum Cryptography and the Future of CyberSecurity*, IGI Global Publisher.
- Technical Committee advisor for 2nd International Conference on Computing Science, Communication and Security (COMS2 2020).
- Research collaboration with Prof. Ramesh Rayudu, University of Wellington, New Zealand.
- Meeting with Indian High Commissioner regarding the possible connection with India Universities and The UWI, February, 2020.

Smith, David

- Member, Greater Caribbean Regional Engineering Accreditation System(GCREAS)

Thomas, Omar

- Member, Jamaica Institution of Engineers (JIE)
- Registered Professional Engineer in Jamaica.
- Member, Financial Committee, Karen Peart Foundation
- Member, American Society of Civil Engineers Transportation & Development Institute (T&DI) Infrastructure Systems Committee
- Lead Facilitator of the Macaroni Bridge Competition – JIE Engineers' Week
- Member, Institute of Transportation Engineers

NATIONAL ENGAGEMENT AND OUTREACH

- The FOE had six finalizing student projects that created solutions which solve Covid-19 related issues and other human ills. The projects were featured in the

Jamaica Gleaner, May 9, 2020 and discussed by Dr. Adrian Lawrence, Dean on RJR's Hotline radio program. The projects were:

1. Low-Cost Patient Monitoring System
 2. Vehicle Pass Mobile Application and NFC Reader
 3. Automatic Personal Protective Equipment Detector (for Industry)
 4. Eye-Tacking Augmentative and Alternative Communication System
 5. Distributed air quality monitoring system
 6. Automated Bottle Filling and Capping System Using PLC for Teaching and Research
- Dr. Paul Aiken, Director of Mona-Tech Engineering Services, along with a team which included Engineering staff and students, conducted biomedical repairs on University Hospital of the West Indies' (UHWI) ventilators and patient monitoring systems. This team also effected repairs to a QIACube machine a sample processing instrument capable of conducting mass testing of Covid-19 samples.

STUDENTS

Internship:

Huawei Jamaica Seeds for the Future Program 2020: Three final year students from our Electronics Engineering program were beneficiaries of the annual Huawei Jamaica Seeds for the Future program, where they were expected to do a two week internship at Huawei in China. However, this internship ended prematurely because China closed its borders due to the outbreak of the Covid-19 pandemic in the country. All major expenses for the students stay in China were covered by Huawei.

Student Clubs and Societies

Students of the Faculty of Engineering were actively involved in the campus chapters of the following professional bodies:

- Institute of Electrical and Electronics Engineers (IEEE)
 - The FOE robotics team designed a robot capable of manipulating Lego blocks and LED lights, for entry to the annual Robotics competition at the 2020 IEEE South East Conference. However, the students were unable to participate in the competition due to the onset of the Covid-19 pandemic in both the USA and Jamaica.
- Jamaica Institution of Engineers (JIE)
- Institute of Structural Engineers (IStructE)

- Mona Engineering Society:
 - The Mona Engineering Society (MES), an organisation fully conceptualised, formulated and managed by students of the Faculty of Engineering at Mona was officially launched on September 26, 2019. The organisation was formed out of a desire to integrate students enrolled in the various engineering disciplines offered at Mona. The students, recognising that real world engineering projects involved teams of engineers of varying disciplines, felt that it was important that a way be found to allow for the integration of the students.

Scholarships and Bursaries

Scholarships

- *The Ministry of Education, Youth and Information (MoEYI)*: At the start of the 2019/2020 academic year, it is recorded that twenty-eight (28) students of the Faculty of Engineering were recipients of the MOEYI – Maths, Science and Technical and Vocational Education and Training (MSTVET) Scholarship.
- *Class of 1967 Scholarship*: The second Class of 1967 scholarship was awarded on November 14, 2019. The recipient was Ms. Ashley McPherson, a Civil engineering student and a member of the student body Mona Engineering Society, for excellence in innovation and leadership.
- *Elaine Bryan Scholarship*: Three (3) engineering students received scholarships from the Elaine Bryan Foundation. The scholarships include the disbursement of computers to students enrolled in Science, Technology, Engineering, Art and Mathematics (STEAM) programmes. The Faculty intends to maintain its close partnership with the Elaine Bryan Foundation.
- Our students continue to benefit from other scholarship opportunities such as: the Jamaica Flour Mills and New Fortress Energy Scholarships. This Academic Year, New Fortress Energy increased their annual scholarship award amount to US\$5,000 per student.
- *Bursaries*: Our students continue to benefit from a number of bursaries during the 2019–2020 academic year. Table 2 below shows a summary of bursaries disbursed per programme, total awarded and the percentage per program.

Table 2: Number of Bursaries Awarded

Engineering Programme	Number of Awardees	Total Awarded	% of bursaries awarded according to programme
Biomedical Engineering BSc	6	\$2,430,000.00	11%
Civil Engineering BSc	18	\$7,290,000.00	33%
Electrical Power Engineering BSc	5	\$2,025,000.00	9%
Electronics Engineering BSc	11	\$4,455,000.00	20%
Preliminary Engineering	15	\$6,075,000.00	27%
Grand Total	55	\$22,275,000.00	100%

- The Government of Jamaica (GOJ) through the Student Loan Bureau (SLB) continues to respond to continued requests from the Faculty of Engineering for increased access to loans for our engineering students. The loan threshold has been increased to J\$1M for the 2019–2020 academic year.

Graduation 2019

A total of 47 students graduated on November 1, 2019. A total of four (4) first class honours were awarded, three (3) from the Civil Engineering programme and one (1) from the Electronics Engineering programme.

APPENDIX: COURSES MODIFIED

LEVEL 1 COURSES ELECTRONICS, BIOMEDICAL AND ELECTRICAL POWER		
Semester	Course Code	Title
1	ECSE1102	Engineering Circuit Analysis and Devices
1	ECSE1104	Digital Circuits and Systems
1	ECSE1109	Programming for Engineers I
1	ENGR1100	The Engineering Profession
1	ENGR1105	Engineering Laboratory and Designs I
2	ECSE1207	Computer Architecture and Organization (NEW)
2	ECSE1209	Programming for Engineers II
2	ELNG1101	Physics for Engineers
2	ENGR1200	Engineering Tools and Techniques
2	ENGR1205	Engineering Laboratory and Designs II
2	EPNG1201	Intro to Thermodynamics and Fluid Mechanics
2	EPNG1210	Electrical Machines I
LEVEL 2 COURSES		
1	ECSE2102	Semiconductor Devices and Fabrication
1	ECSE2104	Microprocessors and Embedded Systems
1	ECSE2106	Signals and Linear Systems
1	ENGR2105	Engineering Laboratory and Designs III
1	ENGR2120	Technical Communications I (NEW)
1	EPNG2110	Electrical Machines II
2	ENGM2210	Engineering Electromagnetics (NEW)
2	ECSE2202	Analogue Circuits and Instrumentation
2	ECSE2208	Analogue and Digital Communication Systems
2	ECSE2209	Control Systems Engineering
2	ENGM2280	Probability and Statistical Systems (NEW)
2	ENGR2205	Engineering Laboratory and Designs IV
2	EPNG2010	Nuclear Physics and Reactor Theory
2	EPNG2020	Renewable Energy Systems



FACULTY OF HUMANITIES AND EDUCATION

Mona

Year ending July 31, 2020



PROFESSOR WAIBINTE WARIBOKO

B.A. (Port Harcourt), M.A. (Ibadan), Ph.D. (Birmingham-UK)

DEAN

Dean's Overview

INTRODUCTION

The period under review, which began with a determined plan to build on the achievements of the Faculty in the previous year, witnessed a resetting of that plan in the second semester. This was in response to the public health and safety precautions foisted on the Mona Campus, and indeed on society at large, due to the unanticipated global emergence of COVID-19. The resetting process and its implications created a slowdown in the pursuit of the following agendas: the drive for financial self-sufficiency; the efforts at creating and sustaining a motivated and productive workforce; the efforts at harnessing the benefits of digital transformation for promoting efficiency in pedagogical and administrative enterprises; the efforts at introducing more scholastically cutting-edge and multidisciplinary programmes to increase student enrollment; the introduction of more out-of-classroom student development programmes; increasing knowledge production and dissemination via research and publication; and strengthening the ties between state and society through structured voluntary outreach activities by academic staff. It is against this background that this annual report chronicles the accomplishments of the Faculty under the “Triple A” pillars of “Access,” “Alignment,” and “Agility,” as laid out in the 2017–2022 “University Strategic Plan.”

ACCESS

Improving the Quality of Teaching and Learning: Curriculum Development

In order to build on previous efforts aimed at improving the quality of teaching and learning via curriculum development, two new undergraduate multidisciplinary programmes, which are self-financing, were designed: BA in Writing, Literature and Publishing; and BA in History and International Relations. The former got approved; while approval processes for the latter, which began in the second semester, got stalled as a result of COVID-19. At the graduate level four new self-financing multidisciplinary programmes began: M.Ed. in Inclusive and Special Education, which was developed at the behest of the government of Belize, and jointly delivered with the Schools of

Education at the St. Augustine and Cave Hill Campuses; M.Ed. in Education for Sustainable Development, Global Citizenship and Peace; M.Ed. in Leadership and Management; and M.Sc. in Media Management, which was also jointly developed and delivered by the Caribbean School of Media and Communication (CARIMAC), and the Mona School of Business and Management (MSBM).

The latest suite of programmes, along with those introduced in the last five years, represent a core component of the Faculty's well-planned and robust agenda of curriculum development and transformation calculated at rebranding the image of the Faculty and addressing its declining student enrollment. The following comments from the Department of History and Archaeology on the salubrious impact of one of these new programmes are worth noting: "During the 2019–2020 academic year the Department of History and Archaeology (DoHA) was able to reverse the decade-long decline in student enrolment. This was largely possible thanks to the launch of the BA History and Journalism that the Department developed along with the Caribbean School of Media and Communication (CARIMAC) and the Faculty of Humanities and Education (FHE). This quick positive result served to confirm that the decisions and work of the previous academic year were a step in the right direction." Because these programmes are tailored to produce job-ready graduates, specific provisions have been made for practicums, internships, and industrial attachments in the various curriculums. Hence, in a very real sense, these programmes have also enhanced academic/industry partnership as anticipated in the "Strategic Plan."

Aside from new programmes, many new courses were also developed across the Faculty. Additionally, existing undergraduate and postgraduate courses and programmes were extensively reviewed for thematic and bibliographical currencies. The examples below, selectively drawn from the Department of Library and Information Studies, the Caribbean School of Media and Communication (CARIMAC), and the Institute of Caribbean Studies (ICS), illustrate the point. The Department of Library and Information Studies, following a review of its existing PhD programme in Library and Information Studies, secured approval to rename this programme as PhD in Information Studies. The School of Media and Communication revised the following postgraduate courses: COMM6702 – "Academic Reading and Writing in the Study & Analysis of Communication"; COMM6502 – "Media & Communication Theories & Models"; and COMM6102 – "Communication Research: Paradigms, Designs and Methods. The Institute of Caribbean Studies introduced the following new courses to enrich existing programmes: CLTR- "Food and Culture in the Caribbean"; CLTR3099 – "Cultural and Creative Industries Capstone Part One"; CLTR 3530 – "Rastafari Women, Patriarchy and Gender Justice"; MUSC2042 – "Guitar Skills II"; CLTR3565 – "Rastafari Ital Liverty and Socio-Economic Justice"; MUSC1030 – "The Digital Audio Work Station"; and MUSC1032 – "Music Technology 1." Although the aforementioned were achieved, the planned external academic quality assurance

reviews of some departments, which were scheduled for the second semester under the auspices of the Board for Undergraduate Studies (BUS), could not be implemented because of COVID-19.

Learning Environment and Student Development

Because a conducive learning environment is critical for the optimal realization of the scholastic benefits of curriculum development, the Faculty office has been persistently renovating the aging physical infrastructure, as well as systematically retrofitting the teaching venues with the pertinent multimedia facilities to enhance teaching delivery. The Faculty Office and the various Departments had previously invested heavily in Zoom Licenses which became very handy for online teaching and routine administrative meetings when the Mona Campus suspended in-person interactions due to COVID-19.

In preparation for remote teaching various workshops and seminars were held for academic staff at different times on the use of online teaching delivery tools and platforms, such as OURVLE and Blackboard Collaborate (BBC), under the auspices of the Centre for Excellence in Teaching and Learning (CETL), the Campus Office of Online Learning (COOL), and the Mona Information and Technology Services (MITS). Both graduate and undergraduate students, to ensure a successful transition to online teaching, were readily provided on application with smart devices by the Campus administration.

Before the pandemic compelled a resetting of planned agendas in the second semester, however, departments had undertaken many in-person activities in pursuit of student development. In an effort to prepare their finalizing students for the job market, the Department of Literatures in English, in collaboration with the Gloria Lyn Memorial Fund (GLMF), organized two “Career Skills Workshop” on September 7, 2019, and January 9, 2020. On June 5, 2020, the Caribbean School of Media and Communication organized an online event, DigiTimes 2020. The Editor-in-Chief of the Gleaner delivered the feature address, “Journalism in Small Island Developing States: Challenging Parochial Mind Sets.” The event provided finalizing journalism students the opportunity to demonstrate their job-readiness by presenting some of their best journalistic stories produced during the course of their study programme.

Across the Faculty, in order to enrich the learning experience of research students, and also increase the throughput rate in graduate programmes, staff/postgraduate seminars were held weekly. Additionally, research students in the School of Education were facilitated to attend “The Qualitative Research Conference (TQR)” in Fort Lauderdale, Florida, in January 2020. On top of all this, an “Association of Graduate Researchers in Education (AGRE)” was founded to support research students in the School of Education. These seemingly routine activities, which were also found in many other

departments, readily demonstrated a striving and commitment to excellence in teaching, student centeredness, and student development. At “The UWI Student Evaluation of Teaching Awards Ceremony on November 14, 2019, which was organized by the Centre of Excellence in Teaching and Learning (CETL) in association with the Office of the Deputy Principal, forty three (43) members of academic staff were duly recognized and honoured for professing, practicing, and propagating these values within the Faculty.

With the outbreak of COVID-19 and the suspension of in-person activities, Departments began organizing their weekly staff/postgraduate seminars online. This is readily shown by these examples: from 5th March through to 18th June, the Institute of Caribbean Studies held ten (10) online staff/postgraduate seminars; while the Caribbean School of Media and Communication held thirteen (13) such seminars from 4th March to 24th June. All of this meant that, despite COVID-19 and arguably its paralyzing effects on the teaching, research and learning processes, the learning environment was still kept agog to some extent.

Improving the Quality, Quantity and Impact of Research, Innovation, and Publication

In a synoptic way the net benefit of keeping the learning environment agog with the aforementioned activities, despite COVID-19, could be seen in the following list of postgraduate students who worked successfully to defend their dissertations between April and July 2020.

NAME	DISSERTATION TITLE	DATE OF DEFENSE
Tohru Nakamura	“Responsibility for We Own Self”: Caribbean Ontologies of Relation in the Selected Novels of George Lamming, Wilson Harris, and Earl Lovelace	22 April, 2020 (Degree to be awarded with High Commendation)
Uchenna Odimgbe	Effects of Computer Assisted Instruction and Teacher Content Knowledge on Selected Jamaican Sixth Former’s Understanding of Chemical Equilibrium	30 June, 2020
Marleen Bartley	History of Distance Education in Jamaica, 1920–1992	20 July, 2020
Gary Gardiner	African Retentions in Worship Experiences in Jamaica: Possibilities and Implications for Shaping Theologies in the Caribbean	2 June, 2020
Courtney Bailey	A Critical Examination of the Role Played by Titus 1:5–9: History & Hermeneutics in Shaping the Church Polity of the Kingston Church of Christ.	11 May, 2020
Norman Pottinger	Ritualizing Death in Literature: Towards the Crafting of a Death Ritual Theory to Analyze Work of Early Realism	4 May, 2020

Admittedly, when compared to what was achieved two years ago, the throughput rate represented above appears to have falling short slightly. However, when the aforementioned throughput is taken together with the numerous commissioned technical reports done by academic staff, the dozens of peer-reviewed journal articles and book chapters given in the departmental reports, including the major peer-reviewed book publications as well as the awards for research accomplishments highlighted below, it could be easily said that the year in review has not been unproductive. In fact, it has helped to reinforce the reputation of the Faculty as a viable contributor to knowledge production in the Mona Campus.

Staff Recognitions and Peer Reviewed Book Publications

NAMES OF STAFF	AWARDS/RECOGNITIONS/BOOK PUBLICATIONS
Dr Michael Bucknor	Gold Musgrave Medal (For contributions to Literature) by the Institute of Jamaica (16 October, 2019)
Professor Paulette Ramsay	“Vice Chancellor’s Award for Excellence in Outstanding Research Accomplishment” (14 February, 2020)
Dr Zoyah Kinkead-Clark (Mona Campus), Dr Sabeevoh Abdul-Majied (ST Augustine Campus), & Dr Sheron Burns (Cave Hill Campus)	“Vice Chancellor’s Award for Excellence in Multi-Campus Research Collaboration” (14 February, 2020)
Blair, E., Dr Roofe-Bowen, Carmel, & Timmins, C.	<i>A Cross-Cultural Consideration of Teacher Leaders’ Narratives of Power, Agency and School Culture: England, Jamaica and the United States</i> , Main-USA, Myers Education Press, 2020
Dr Canute Thompson	<i>Reimagining Educational Leadership in the Caribbean: Practice, Policy and Programmatic Requirements</i> , Kingston-Jamaica, The UWI Press, 2019
Dr Rachel Moseley-Wood	<i>Show Us as We Are: Place, Nation and Identity in Jamaican Film</i> , Kingston, Jamaica, The UWI Press, 2019
Dr Anthea Morrison	<i>New Crossings: Caribbean Migration Narratives</i> , Kingston, Jamaica, The UWI Press, 2019
Dr Sonjah Stanley-Niaah (Ed.)	<i>Dancehall: A Reader on Jamaican Music and Culture</i> , Kingston, Jamaica, The UWI Press, 2020
Dr Lisa Tomlinson	<i>Una Marson: The Caribbean Biography Series</i> , Kingston, Jamaica, The UWI Press, 2019
Dr Kathleen Monteith	<i>Plantation Coffee in Jamaica, 1790–1848</i> , Kingston, Jamaica, The UWI Press, 2019
Dr Vivette Milson-Whyte, Oenbring, R., & Jaquettee, B., (Eds)	<i>Creole Composition: Academic Writing and Rhetoric in the Anglophone Caribbean</i> (Lauer Series in Rhetoric and Composition) SC-USA, Parlor Press

Promoting Research via Conferences, Seminars, Symposiums, Memorial and Distinguished Lectures

Although about fifty percent of planned major international conferences, symposiums, memorial and distinguished lectures had to be cancelled altogether, or postponed, because of COVID-19, the key events listed below were held.

SCHOOLS/INSTITUTE/ DEPARTMENTS	CONFERENCES/SEMINARS/MEMORIAL& DISTINGUISHED LECTURES
Department of Literatures in English	Mervyn Morris, "The Cunny Louise Bennett: Values and Craft" (13th Edward Baugh Distinguished Lecture), 19 November, 2019
Department of Library and Information Studies	Sean Thorpe, "Artificial Intelligence for Next-Level Library and Information Studies" (Daphne Douglas Distinguished Lecture), 5 March, 2020
Caribbean School of Media and Communication	Julian Rogers, "Gatekeepers and Reporters: Rethinking Journalism Practice in Multimedia Platforms," (Virtual 10th Annual CARIMAC Aggrey Brown Distinguished Lecture), 27 May, 2020
Modern Languages and Literatures	"Exploring a Kaleidoscope of Best Practices in the Teaching and Learning of Foreign Languages" (11th Foreign Language Conference and Annual General Meeting) 6 February, 2020 Professor Paulette Ramsay, "Columbus in the Academy: Centering more than ten decades of research in Afro-Hispanic Literatures and Cultures, 1867–2019" (Inaugural Professorial Lecture) 29 November, 2019
School of Education	The Caribbean Association for the Advancement of Curriculum Studies (CAACS) Virtual Conference, 12 March, 2020
Institute of Caribbean Studies	Ms. Dahlia Harris, "Groundings with Miss Lou and Walter Rodney: Community, Activism, and Mass Education" (Annual Walter Rodney Lecture) 17 October, 2019
Department of Language, Linguistics and Philosophy	Hazel Simmons-McDonald, "Vernaculars at Centre-Issues of Language Status and Power Revisited" (5th Cassidy Le Page Lecture), 29 October, 2019
Department of History and Archaeology	CAPE History (Unit One), March 7; and CAPE (Unit Two, virtually delivered), April 8.

ALIGNMENT

Activism and Public Advocacy via Outreach and Marketing Initiatives

Initiatives to promote greater activism and public advocacy, whilst also promoting the academic programmes of the Faculty in order to increase student enrollment, were pursued through the Outreach and Marketing Subcommittee of Faculty. Some of these activities, most notably school visits, were undertaken in concert with the Campus Office for Marketing, Recruitment and Communications. For example, working in concert with the latter, members of the Subcommittee visited twenty four (24) high schools in the island to advertise the academic programmes of the Faculty before COVID-19. Following the advent of the latter, a virtual school visit was planned and implemented successfully on May 21, 2020, and over 300 grade 9 high school students were in attendance across the island.

Whilst doing these school visits, the Faculty continued to fortnightly publish short newspaper articles highlighting the contemporary relevance of the humanities under an existing arrangement with the Sunday Gleaner. Thus, between September 2019 and July 2020, eleven (11) such articles were published by graduates and academic staff of the Faculty. Some of these were: “Critical Thinking, Creativity and Competence in Visual Culture”; “Outside the Box: Creating a New Normal through Humanities”; “Life within the Humanities”; “My Journey from Literature to Jewellery Making”; and “Spanish: A Language of Inclusion.” Building on this relationship with the Gleaner, focused short articles on the career choices and successes of graduates were published under this theme: “Where are They Now?” The “Stellar Grads Series,” an initiative of the Gleaner which ran from 27 to 31 October, 2019, provided yet another platform to highlight the job-market opportunities available to graduates with humanities degrees.

With the outbreak of COVID-19, the Marketing and Outreach Subcommittee initiated a new activist agenda dubbed “Humanities in Action Virtual Seminar Series.” Two themes of current global significance dominated discussions on this platform: the impact of COVID-19 on the educational, economic, and socio-cultural institutions of society; and the outcries for social justice and racial equality for black people under the banner of the “Black Lives Matter” movement. The following papers, among others, were discussed with respect to the former theme: “Global Perspectives and Responses from Creative Cities to COVID-19”; “Lessons from the Spanish Flu Epidemic in Jamaica”; and “What should We Learn from Past Pandemics?” Regarding the latter theme, the following papers were discussed, among others: “Black Lives Matter: The Historical Quest to Respect Black Bodies and Lives in the Caribbean and Overseas”; “Exploring ‘Factual Partiality’: The Role of Data and

Archives in Representations of Blackness”; and “Media Representations of Blackness: Toward a New Media.” These presentations are now available on YouTube; and the UWItv, the official television of the University, has agreed to also rebroadcast some of these presentations in the future.

National Engagement and Outreach

Committed to strengthening the ties between state and civil society through voluntary outreach activities, the Faculty facilitated the participation of academic staff on the advisory boards of government agencies and business corporations throughout the Caribbean. During the year in review the advisory boards of the following entities, among others, benefitted from the voluntary services of academic staff in the Faculty: Technical Advisory Committee for the Caribbean Examinations Council; Jamaica National Heritage Trust; Board of Management of the African Caribbean Institute of Jamaica/Jamaica Memory Bank/Liberty Hall; Government of Jamaica Records Management and Information Management Oversight Committee; UNESCO Jamaica National Bioethics Committee (NBCJ); the Caribbean Disaster & Emergency Management Agency; and the National Entertainment Advisory Board of the Ministry of Culture, Gender, Entertainment and Sport. It could be said that, by availing these advisory boards with expert intellectual and professional comments on the many and varied matters they confront, our academic members of staff were implicitly contributing to the formulation of national public policies.

As part of an activist endeavor aimed at strengthening the ties between state and civil society, the Jamaican Language Unit (JLU) within the Department of Language, Linguistics and Philosophy, sponsored an online public petition on 30 October, 2019, urging the Jamaica government to officially recognize Patois (Jamaican) as the first language of Jamaicans. Similarly, as part of its contributions to the national efforts against the spread of COVID-19, the JLU translated public health and safety protocols written in English by the Ministry of Health and Wellness into Patois (Jamaica). This effort was consistent with the activist spirit of the aforementioned petition seeking an official status of recognition for Patois alongside the English language. It is also worth noting that this effort by the JLU was part of a global undertaking by many countries to translate COVID-19 related information into the popular indigenous languages of their citizens.

Academic/Industry Partnership via Programme Designing

Against the background of extant uncomplimentary sentiments about the relevance of humanities education for national economic development, a decision was taken in 2015/16 to design new programmes that will produce job-ready graduates capable of addressing specific industry needs throughout the Caribbean. In furtherance of that

decision, pertinent industry players were consulted and invited to sit with the Faculty curriculum design subcommittee in the planning and designing of these new programmes. Interfacing with industry players via practicums and internships, including the engagement of key industry players as guest lecturers by the Faculty administration, are some of the mission-critical components of these programmes. The most recent of these programmes, BA Writing, Literature and Publishing, which was approved in the year under review, started in August 2020/21. In the Department of Literatures in English, industry/academic alignment has also been strengthened through the activities of the “Writer-in-Residence” and the “Filmmaker-in-Residence.”

The “Heads of Agreement” between the Jamaican Ministry of Education, the eight colleges constituting The Teachers’ Colleges of Jamaica, and the University of the West Indies, which is currently being revised with inputs from the Faculty, clearly represents one of the finest examples of industry/academic alignment. This tripartite arrangement, is intended, among other things: “To enable the delivery of programmes by the participating colleges within an established quality assurance framework approved by the University and so enhance the quality of teacher education in Jamaica, and the award of degrees under the aegis of the University.” In addition to contributing inputs for the revision of the existing “Heads of Agreement,” the Faculty of Humanities and Education, through the School of Education and the Joint Board of Teacher Education, has been participating in the implementation of that “Agreement” in order to maintain industry standards in teacher education in Jamaica.

Existing collaborations with industry players, combined with untiring commitment to industry standards even in the face of challenges such as COVID-19, recently drove the School of Education to initiate a research project entitled “Supporting Jamaican Teachers through COVID-19.” Both in theory and praxis, while we await the conclusion of this laudable project, it potentially promises to reinforce the existing relationship between the School of Education and the Jamaican teachers – the indefatigable props of the Jamaican school system.

AGILITY

Restoring Financial Health via Self-Financing Academic Programmes

The Faculty, in many and varied ways, and especially through the provision of self-financing programmes, has been demonstrating entrepreneurial dynamism to the financial benefit of the Mona Campus. Between 2015/16 and 2019/20, aside from those existing earlier, the Faculty has introduced ten (10) self-financing undergraduate and postgraduate programmes. To meet the practical pedagogical demands of one of these undergraduate programmes introduced in 2018/19, BA in Music and Performance

Studies, the Faculty had to externally fundraise the sum of five million, five hundred thousand Jamaican dollars (J\$5,500,000) to purchase instructional software, musical instruments, and computers, as well as to also renovate an existing building, the Book Keeper's Lodge, in order to establish a music practice room. However, while chronicling these achievements, it has to be noted that the year in review contributed one (1) undergraduate and four (4) postgraduate programmes to the total pool of self-financing programmes touted above. It is worth also noting that, among the self-financing graduate programmes before 2015/16, those managed by the M.Ed Online Office, School of Education, impressively generated approximately J\$70,000,000 during 2019/20.

The English Language Testing Services (IELTS) in the Department of Language, Linguistics and Philosophy, with a fairly stable and wide market demand for its services from alumni, students, and non-student customers, is arguably the most productive and lucrative revenue generating entity within the Faculty of Humanities and Education after the self-financing programmes. Since its inception it has been, on average, generating J\$50,000,000 annually. Current records indicate that it had generated J\$45,612,641 in June 2020. The English Language Proficiency Test Unit (ELPT) and the Writing Centre (WC), all in the Department of Language, Linguistics and Philosophy, follow distantly behind the IELTS in their revenue generation efforts.

Revenue generation through consultancies got a modest boost in the Faculty during the year in review. A team of colleagues in the School of Education led by Drs. Joan Hernandez and Deon Edwards-Kerr were contracted by the Government of St Lucia "to undertake the review and revision of the National Curriculum to incorporate Special Education Needs." Valued at US \$122,850, and funded by the Caribbean Development Bank, work on this project got underway successfully in January, 2020.

Between 29 February and 1 March 2020, the Institute of Caribbean Studies (ICS) generated J\$240,000 by organizing three (3) workshops for one hundred (100) high school students preparing for the CXC (Caribbean Examination Council) and CAPE (Caribbean Advanced Proficiency Examination) examinations. Similarly, driven in part by the desire to contribute to the financial wellbeing of the Mona Campus, and also in part to provide students with the opportunity of satisfying their outstanding degree-programme credit requirements, most departments ran summer classes despite the challenges of COVID-19.

Demonstrating Agility through Regional and International Collaborations

Many departments, while seeking new regional and international collaborations to promote research, teaching and learning, also made efforts to strengthen those previously secured. The four (4) examples given immediately hereafter might suffice to show how existing collaborations were strengthened and utilized.

The School of Education, through a joint workshop on assessment in education for sustainable development, built on its research collaboration with the London South Bank University (LSBU). The Department of Language, Linguistics and Philosophy, having renewed an existing Memorandum of Understanding (MOU) with the Indian government through the India High Commission in Kingston, Jamaica, welcomed Professor Anthony Savari Raj, visiting professor of Indology and Gandhian Studies, to its philosophy staff complement. As part of an ERASMUS funded exchange programme between the Department of Literatures in English and the University of Salzburg in Austria, Dr Michael Bucknor visited the latter university from December 4-12, 2019. Scheduled additional visits of other academic staff members and postgraduate students had to be cancelled because of COVID-19. Similarly, as part of an ERASMUS plus Mobility Programme, Dr Susana Gomez Martinez of Universidad de Valladolid, Spain, visited the Department of Modern Languages and Literatures and delivered seminars from 20–29 September, 2019.

With respect to new collaboration agreements, the Department of Modern Languages and Literatures, on account of a Memorandum of Agreement concluded during the year in review between the Mona Campus and the Korean Foundation, introduced the Korean Language to its growing list of foreign language offerings at the start of the 2020/21 academic year. This development, with thirty students currently registered for “KORE 1001-Korean Language 1A,” has made it possible for the Department to meet one of the goals of the “Triple A’ Strategy Plan,” the provision of more “access” to tertiary education in the Caribbean.

Aside from collaborations informed by official memorandums, the departmental annual reports are replete with examples of collaborations between colleagues in the Faculty and their overseas counterparts to foster research, teaching and learning, as well as to enhance student development. The Caribbean School of Media and Communication collaborated with a Canadian-owned international development consulting firm called Baastel “to provide data processing services for Knowledge, Attitude and Practice Studies” in November 2019. This exercise, which involved data collection in three Jamaican communities located in the parishes of Clarendon, Westmoreland, and St. Thomas, was commissioned by the Caribbean Development Bank (CDB); and it was an integral “part of the Community Risk Reduction Fund Sub-Project.” It is worth noting that students recruited in this exercise enriched their learning experiences and also earned financially. Similarly, the learning experiences of students in “Teaching Caribbean Poetry” (an undergraduate course in the School of Education, Mona Campus) as well as those in “Literacy for Diverse Learners” (a postgraduate course in Queens College, New York) were enriched. This was because, via the Collaborative Online International Learning Project sponsored and located in the latter university, the lecturers on both sides had collaborated to introduce innovative ways of teaching and learning poetry. For all practical and symbolic

purposes, it could be said that the global presence of the University had been enhanced through the modest individual efforts as well as the inter-university collaborations based on formal memorandums of understanding.

Promoting Creative, Motivated & Professional Workforce

To enhance workforce productivity and professionalism the Faculty has always routinely critically reevaluated the administrative and business processes with a view to identifying and redressing any “weak links” or “shortcomings.” As a result of complaints, not unrelated to “credit checking” in the various academic programmes, it became necessary to train (or retrain) administrative staff on this vital area of academic advising. Under the auspices of the Faculty Office an interactive workshop for this purpose was successfully organized on January 31, 2020, with all administrative assistants across the Faculty in attendance, including some Heads of Department.

Efforts to enhance employee engagement and development in the Department of Modern Languages and Literatures got a fillip when the Agence Universitaire de la Francophonie dans la Caraïbe (AUF-Caraïbe) agreed to fund and organize a six month training/research programme for academic staff interested in online distance education. The first in the series of this training programme, which was entitled “Initiation in Distance Learning,” began this summer; and was attended by thirty (30) fulltime and adjunct members of academic staff. Members of this Department also enhanced their pedagogical skills in language teaching by participating in a two day workshop organized by the same AUF-Caraïbe from 17-18 October, 2019.

Before the advent of COVID-19 many departments had put plans in place to gradually implement a multimode teaching delivery. To this end, for example, CARIMAC had organized a “Special OurVLE Workshop” for its academic staff between 7 and 10 January, 2020, to acquaint them with the use of online teaching tools and platforms such as the OurVLE and Blackboard Collaborate (BBC). However, with the outbreak of COVID-19, all activities in pursuit of workforce development and productivity began being done online. Hence, in addition to campus-wide arrangements to assist staff with online teaching delivery, all departments made their own separate arrangements for staff training workshops to facilitate a hitch-free transition to remote/online teaching. In many ways the digital transformation of the Mona Campus was enhanced by these workshops.

Even with the challenges of COVID-19, efforts were made to encourage research and publication in the the Faculty. The School of Education, for example, organized a Webinar on Writing Journal Articles on June 25, 2020. Dr Anesa Hosein of the University of Surrey, United Kingdom, and Dr Namrata Rao of the Liverpool Hope University, United Kingdom, were the main speakers. Additionally, and quite appropriately, all departments were equally concerned about the potential psychological

and emotional impact that COVID-19 might have on workforce productivity. To this end, in addition to the efforts of the Campus administration, virtual seminars were organized to address this issue. For example, a webinar, “Coping Personally and Professionally as a Teacher during a Pandemic,” was organized under the FHE Virtual Seminar Series on July 3, 2020, for the benefit of staff. Ultimately, as a Faculty, despite the challenges posed by COVID-19, teaching and examination duties in the second semester of the year under review were successfully completed. This success is a fitting commentary on the determination and resilience of the professional and self-motivated academic and administrative workforce available in the Faculty.



CARIBBEAN SCHOOL OF MEDIA AND COMMUNICATION (CARIMAC)

Dr Livingston A. White, Ph.D – Director

WORK OF THE DEPARTMENT

The academic year 2019–2020 began with a focus on improving the School’s curriculum, teaching delivery and improving teaching spaces. The UWI Bursary approved funding for the refurbishing of a space in the CARIMAC Annex II building to house animation drawing tablets and computers donated by the Youth Employment in the Digital and Animation Industries (YEDAI) project funded by the World Bank and the Korean Trust Fund and implemented by the Office of the Prime Minister of Jamaica. CARIMAC Annex I was also refurbished to create office spaces for staff members relocated from Annex II and the Main Building.

During the academic year, weekly online training sessions were held using Blackboard Collaborate to expose the teaching staff to advanced teaching tools on OURVLE. This was timely as the COVID-19 outbreak, that began in March 2020, led to staff delivering their courses remotely using the UWI’s online learning management system. Most of CARIMAC’s teaching staff was able to make the transition to remote online teaching that began on April 14, 2020 because of the training sessions that were implemented from the start of Semester 1. Charmaine McKenzie of the Campus Office of Online Learning also made presentations to the staff in preparing them for delivering courses online and remotely.

ACCESS

Efforts made to improve the quality of teaching, learning and student development included curriculum review for both graduate and undergraduate programmes, the launch of a new graduate programme in collaboration with the Mona School of Business and Management (MSBM) and the staging of several events and marketing initiatives to attract increased numbers of students to the University.

Curriculum Review. The School submitted proposals for revision of the MA in Communication Studies and the MA in Communication for Social and Behaviour Change to the Faculty of Humanities and Education Sub-Committee for Graduate Matters. The revised programmes include electives and taught courses in lieu of final research papers. CARIMAC will deliver both degrees using blended and online modalities to facilitate wider national, regional and international access.

At the undergraduate level, the BA Digital Media Production, BA Journalism, BFA Film Production and BFA Animation were reviewed beginning in September 2019. A number of decisions emerged from the curriculum review process. These include: 1) a new structure to govern all CARIMAC undergraduate programmes 2) a new structure for all CARIMAC undergraduate minors and 3) a CARIMAC Teaching Philosophy document. CARIMAC submitted 11 revised course outlines, 3 new course outlines and 1 revised programme to the Faculty's Academic Quality Assurance Committee (FAQAC) for review and approval.

Launch of MSc. Media Management Programme. CARIMAC collaborated with the MSBM to offer a new graduate degree in Media Management at the start of the 2020/2021 academic year. A public lecture to launch this MSc degree was held on Wednesday, March 11, 2020. The lecture was delivered by Mr. Richard Stursberg, a Canadian media executive who spoke on *Managing News in the Age of Social Media*. The programme received over 50 applications. Twenty offers were made and twelve students registered to start the programme.

STUDENTS

Other initiatives aimed at student development at CARIMAC included the facilitation of various clubs and activities such as the CARIMAC Student Society, the Digital Media Marketing and Animation (DMAN) Club, and the WJC Insider. The CARIMAC Student Society which was formed in the academic year 2012/13 met every Thursday afternoon during the teaching semester. They had a food drive where they donated food items to charities such as Missionaries of the Poor and the Good Shepherd Home in Downtown, Kingston. The second semester saw several of their plans which included field trips, self-development sessions, resume and career-ready forums being thwarted due to COVID-19. They, however, were not daunted and continued to meet online.

The CARIMAC Digital Media Marketing and Animation club (DMAN) met every Thursday afternoon for their regular meetings. These meetings were very informative for the students as they often had special renowned guest speakers sharing on relevant topics that were beneficial to the students. The WJC Insider club was formed in 2013 by the CARIMAC (WJC) students. The main focus was to keep the students abreast on UWI-related news. A quarterly newsletter was also produced by the students.

CARIMAC Student Awardees. CARIMAC recognized its high achievers. One graduate level and six undergraduate students received special awards at the Faculty of Humanities and Education Awards ceremony held on November 7, 2019. They also received gift certificates to be used at The University's Bookshop, each valuing twenty-five thousand Jamaican dollars (J\$25,000.00) for undergraduates and thirty thousand (J\$30,000.00) for graduates. The awards were presented by various representatives of the sponsoring agencies.

Undergraduate Level

- Alysia Davidson Francis – Jamaica Public Service Co. Ltd./CARIMAC IMC Award
- Kamoy Green – Western Mirror/CARIMAC IMC Award
- Judana Murphy – Nationwide News Network/CARIMAC Journalism Award
- Raynaldo Marchallick – Advertising & Marketing Ja. Ltd./CARIMAC Animation Award
- Bruce St. Catherine – CARIMAC Award (Film Production)
- Rachael Kathryn McIntosh – CARIMAC Award (Digital Media Production)
- Judana Murphy – Director's Award for Top CARIMAC Undergraduate Student

Graduate Level

- Jamani Dunn – The Spectrum Management Authority/CARIMAC Award

Three of CARIMAC's BFA Film Production students were shortlisted for the European Union Short Film Competition that culminated with a ceremony held on January 15, 2020 at the Institute of Jamaica. CARIMAC Lecturer, Yvette Rowe, was the chief judge.

CARIMAC's Journalism students attended the Press Association of Jamaica's (PAJ's) annual discussion forum at the Jamaica Pegasus Hotel on November 18. This was part of the PAJ's National Journalism Week held November 17 to 23, 2019. The forum addressed the theme, *Is the News Too Negative?* The students' comments and questions were considered by established journalists to have been thought-provoking. Nine CARIMAC graduates who work in the media were recognized for outstanding work at the Association's annual awards function on November 23, 2019. They are Kelesha Williams, Jordan Foote, Janella Precius, Andrew Laidley of TVJ News; Natalie Campbell of Irie FM; Kalilah Reynolds and Stevia Simmonds of Nationwide News; Anika Richards of Jamaica Observer and Anthony Morgan of the Jamaica Information Service.

Special events staged to enhance student learning also included the World Television Day Panel Discussion held on November 21, 2019 in the CARIMAC, Annex II Lecture Hall to explore the topic, *Writing for Television: Getting it Right*. Among the panelists were CARIMAC's graduates, Dahlia Harris, Giovanni Dennis, Patrice Manradge and lecturer, Yvette Rowe. CARIMAC Open Week activities, showcasing the work of the students at the School, were scheduled for April 14 to 17, 2020. However, due to the COVID-19 pandemic, most of the week's events were cancelled or rescheduled. These events occurred online:

- CARIMAC Internship and Job Orientation: This activity was held on May 14, 2020. It was organized by the Kickstart Career group with the supervision of lecturer, Dr. Alpha Obika. Approximately 130 students from both Mona and WJC campuses participated online.
- CARIMAC Distinguished Lecture: The 10th Annual CARIMAC Aggrey Brown Distinguished Lecture was held virtually on May 27, 2020 at 6:00 p.m. The lecture titled, *Gatekeepers and Reporters: Rethinking Journalism Practice on Multimedia Platforms*, was presented by Mr. Julian Rogers, Managing Director of the Jamaica Observer. The lecture was streamed live using UWI's MonaMedia YouTube channel and attracted a Caribbean audience.
- DigiTimes 2020: This online event was held on June 5, 2020. The guest speaker, Ms. Kaymar Jordan, Editor-in-Chief at the *Gleaner*, spoke on the theme, *Investigative Journalism in Small Island Developing States: Challenging Parochial Mindsets*. Approximately 158 individuals attended the lecture online.

Marketing initiatives to enhance student enrollment included the staging of the *Global Game Jam* and *Film Rush*. The *Global Game Jam* was held from January 31 to February 2, 2020 in the CARIMAC Annex II Lecture Hall. CARIMAC lecturers as well as the Jamaica Game Development Society and ListenMi Caribbean representatives provided mentorship to the participants who designed games. Approximately 60 students participated in the event aimed at attracting students to CARIMAC's BA in Digital Media Production and BFA Animation programmes. CARIMAC in association with Frame of Reference, a post production company, staged *Film Rush*, a 3-day film-making workshop targeting mainly high school students. The event was held February 28 to March 1, 2020 at CARIMAC Annex II. Approximately 50 students participated in the event designed to promote the BFA Film Production programme.

PUBLICATIONS

Refereed Journal Articles

- Archibald, C. & Barnes, C. (2019). "Not in my House": Perspectives of Afro-Caribbean Adolescents on HIV/AIDS. *Journal of Religion and Health*, 58(5), 1857–1871.

- **Gordon-Bell, N.** (2020) Afro-Creole Nationalism and the maintenance of the digital divide: The case of Jamaica. In M. Ragnedda & A. Gladkova (Eds). *Digital Inequalities in the Global South*, (pp. 347–362). London: Palgrave Macmillan.
- **Henderson, A., Barnes, C. & Archibald, C.** (2020). News Saliency: Setting the agenda during a time of crisis in Jamaica. *International Journal of Arts and Commerce*, Vol. 9(1), 1–11.

Non-referee

- Natalee Legore, **Steffon Campbell** & Carla Bridglal (2020, May 27). [Investigative multimedia piece: text 3179 words and audio 1 minute]. Retrieved from <https://www.cijn.org/covid-19-and-chinas-disappearing-financial-lifeline-in-the-caribbean/>
- Carla Bridglal, Ivan Cairo, **Steffon Campbell**, Alix Lewis & Neil Marks (2019, December 5). China's Opaque Caribbean Trail: Dreams, Deals and Debt [Investigative multimedia piece: text 4968 words and audio 6 minutes 13 seconds]. Retrieved from <https://www.cijn.org/chinas-opaque-caribbean-trail-dreams-deals-and-debt/>

Establishing a Research Agenda for CARIMAC. Academic Staff Research Seminars were hosted every other Wednesday during the teaching semesters. Since the COVID-19 pandemic, the seminars were held weekly online. Coming out of a need to enhance the research productivity at CARIMAC, the staff identified seven broad research areas to guide how the School would gather data to understand Caribbean media and communication experiences: 1) Communication for Development; 2) Media Design, Production and Industry; 3) Communication Policy and Professional Practice; 4) Human Communication and Technology; 5) Media Cultures and Society; 6) Strategic Integrated Communication; and 7) Journalism Practice. Strategically, when CARIMAC recruits candidates for research degrees at the doctoral level, they will be strongly encouraged to conduct supervised research in these areas. This will ensure that the School's staff and students pursue research that is collaborative and always generating data and results to inform decisions about media audiences and markets, media production processes, media policy and management.

ALIGNMENT

PAPERS PRESENTED

- **Barnes, C.**, “The Influence of Social media on HIV Prevention”, 4th International Congress & Expo on HIV-AIDS & Sexual Health at the Florida International University, USA, September 16–17, 2019 [Oral presentation]

- **Campbell, S.**, “Combating Normative Male: Alexythmia through Poetry and Prose”, Caribbean Without Borders 2020 Conference, Puerto Rico, March 3–5, 2020 [17 pages]
- **Obika, A.**, “Take me Back Africa: Machel Montano and the Search for Identity through Music”, Caribbean Without Borders 2020 Conference, Puerto Rico, March 3–5, 2020 [15 pages]
- **Obika, A.**, “UNESCO Cultural Policy Round Table Discussion”, CARIFESTA XIV Symposia, Trinidad and Tobago, August 18–22, 2019 [Oral Presentation]
- **Smith, R.**, “The Same, Only Different: The Struggle for Audience Reception and Appeal”, Mapping New Caribbean Cinema: A Meeting of Filmmakers and Film Scholars at the Festival de Cine Global Dominicano, Santo Domingo, January 27–28, 2020 [Oral Presentation]
- **Smith, R.**, “The Impact of Emerging Tertiary Level Film Education on West Indies Cultural Industries”, CARIFESTA XIV Symposia, Trinidad and Tobago, August 18–22, 2019 [Oral Presentation]
- **White, L.**, “Communicating during Crisis: Delivering Ethical and Effective Messages” Department of Disaster Management Training Workshop, Tortola, British Virgin Island, August 1–2, 2019 [Oral Presentation]
- **Rowe, Y. & Frampton, A.**, “Erased and Misremembered: Exhuming the Transnational Broadcasting of Una Marson”, International Association of Media and Communication Research (IAMCR) International Conference [Online], Tampere, Finland, July 12–17, 2020 [21 pages]

PUBLIC SERVICE

CARIMAC maintained its institutional membership in international and regional organizations such as the International Association for Media and Communication Research (IAMCR) and the Caribbean Broadcasting Union (CBU). The 50th Annual General Assembly of the CBU was held in San Andres, Colombia from August 12 to 14, 2019. Dr. Livingston White and Mr. Alistaire McLaren participated in the conference. They also visited the Teleislas television station to explore opportunities for exchange and collaboration.

In an effort to promote greater activism and public advocacy, members of the School served on various boards. Dr. Livingston White served as Vice Chairman of the Climate Change Advisory Board for the Climate Change Division in the Ministry of Economic Growth and Job Creation. He also served as a member of the Board of Directors of the Nature Preservation Foundation. Mr. Steffon Campbell became a correspondent of the Caribbean Investigative Journalism Network (CIJN) that was launched on December 5, 2019 to produce investigative stories for multiple platforms.

Chevonnese Chevers Whyte maintained membership in the Jamaican Animation Nation Network (JANN) while Rae-Ann Smith continued as a member of the Jamaica Film and Television Association (JAFTA).

AGILITY

INCOME GENERATION

CARIMAC received equipment for the BFA Animation Programme from the Youth Employment in the Digital and Animation Industries (YEDAI) project. To date, a donation valued at approximately US\$166,000.00 has been made; this includes 75 Wacom drawing tablets valued at approximately US\$300 each, 41 Cintiq Pro drawing tablets valued at approximately US\$3,500 each. An additional donation of 70 computers will be made. These will be distributed for use by CARIMAC Animation students at both Mona and WJC Campuses.

In November 2019, CARIMAC provided data processing services for some Knowledge, Attitude and Practice Studies for Three Community Disaster Risk Reduction Fund Sub-Projects implemented by Baastel, a Canadian-owned international development consulting firm. The project lasted for two months and was funded at US\$7,130.42. Second-year students earned from completing data entry for 465 questionnaires for the project.

CARIMAC continued offering its two self-financing undergraduate BFA degrees in Film Production and Animation. For 2019/20, these programmes reported a surplus of approximately J\$20.9 million. The School also rented the facilities in the Annex II Lecture Hall to the International English Language Testing Services (IELTS) for hosting examinations. The self-financing MA in Integrated Marketing Communication programme continued, while the MA programmes in Communication Studies and in Communication for Social and Behaviour Change were suspended for the academic year to facilitate programme revisions. All three existing self-financing graduate programmes reported a combined surplus of J\$11.4 million.

CONCLUSION

Despite the major disruption caused by the COVID-19 pandemic during the academic year 2019/20, CARIMAC was able to make progress with various projects and initiatives. The curriculum review process resulted in two graduate programmes and one undergraduate programme being revised. The renovation project for CARIMAC Annex II was implemented to a large extent. The regular staff research seminars led to the crafting of a research agenda for the School. The staff and students

learnt that they could engage in remote online teaching using online tools. If nothing else, the year 2019/20 challenged the School to contemplate how it will sustain itself as an academic entity that is serious about innovation in teaching and learning, public service and research regarding media and communication in the Caribbean.



DEPARTMENT OF HISTORY AND ARCHAEOLOGY

Dr. Enrique Okenve, – Head of Department

INTRODUCTION

During the 2019–2020 academic year the Department of History and Archaeology (DoHA) was able to reverse the decade-long decline in student enrolment. This was largely possible thanks to the launch of the BA History and Journalism that the Department developed along with the Caribbean School of Media and Communication (CARIMAC) and the Faculty of Humanities and Education (FHE). This quick positive result served to confirm that the decisions and work of the previous academic year were a step in the right direction. Yet, given the breadth and depth of the crisis affecting the Department, during AY2019/2020 DoHA continued taking additional steps to consolidate its reconstruction and viability in the context of today's increasingly competitive and dynamic tertiary education sector. DoHA's activities continued to be informed by its strategic plan that seeks three main objectives: (1) to redefine itself as a twenty-first-century sustainable and efficient department; (2) to offer attractive and internationally competitive academic programmes; (3) to conduct research and outreach activities that show the relevance of history, archaeology and heritage to the construction of a viable future for the region. DoHA's strategic objectives are in line with The UWI Triple A Strategic Plan. Thus, by renovating our academic programmes and expanding our course delivery mode, we seek to provide greater Access to students across Jamaica and the wider Caribbean. In addition, the push to boost research and greater focus on soft skills seeks to improve Alignment with the needs of both the public and private sectors. Finally, by maximizing existing resources and making use of digital administrative tools, DoHA seeks to improve its Agility, so we can promptly identify challenges and provide effective and timely responses.

Undoubtedly the 2019/2020 academic year was marked by the COVID-19 pandemic and the adjustments that DoHA and The UWI at large had to make to continue serving our students after the Mona Campus suspended face-to-face classes in mid-March 2020. The introduction of blended courses at the beginning of the academic

year provided us with some experience in the remote delivery of courses. This experience proved to be especially valuable when we were required to transition to remote teaching and learning halfway through the second semester. Nearly all members of the Department, both academic and administrative, responded enthusiastically to the challenge, seeking to guarantee that our students would not be at a disadvantage and could successfully complete their courses.

Where the initial decision to temporarily suspend classes by the Mona Campus Senior Management proved to be most appropriate, subsequent responses were not equally adequate and placed added pressure and strain on the Department. The added work of communicating with students to assess their readiness to participate in remote teaching and learning, adjustment of assessment methods to meet the new dispensation, and the search for reading and learning material to be uploaded on OurVLE course containers all contributed to significantly increase the workload of faculty who, at times, felt overwhelmed by the additional demands and expectations of a semester that extended well into July. Insufficient support was especially acute during the examination process, as instructors and departments were made responsible for tasks that usually should be the responsibility of the Examination Section. While DoHA faculty along with its administrative team were eventually able to bring Semester 2 to a successful closure, it became clear that some of the challenges that the Department experienced were the result of insufficient consultation with academic departments, which ultimately are responsible for the delivery of one of the main functions of The UWI: education.

Despite the challenges, the experience served to accelerate some of the changes that DoHA had begun implementing at the start of the academic year and which should be consolidated in the months to come, particularly as it relates to delivery of blended programmes and courses. The challenges posed by the COVID-19 crisis also served to increase the role of the DoHA's administrative staff in the recruitment of new students, as they worked arduously to ensure that the pandemic would not take too heavy a toll on student enrolment at the beginning of AY2020/2021.

ACCESS

During AY2019/2020, DoHA offered three UG programmes – BA History, BA History & Archaeology and BA History & Journalism – and 34 UG courses (15 in Semester 1 and 19 in Semester 2) as well as two PG programmes – MA Heritage Studies and MPhil/PhD History – and 9 PG courses (5 in Semester 1 and 4 in Semester 2). In order to deliver these programmes and courses the Department employed eight full-time faculty in addition to four adjunct faculty. Despite the increase in year-one students, some faculty had challenges to meet the required

10-contact hours, as eight UG courses had less than ten students. Enrolment in the BA History and BA History & Archaeology continued to be below expectations, The MA Heritage Studies and MPhil/PhD History also suffered from undersubscription. At the end of the academic year, the Department decided not to offer any of its the graduate programmes as part of cost containment initiative and to allow enough time to revise the MA Heritage Studies programme so more graduate students could be attracted to the Department in the near future. During AY2019/2020, DoHA accepted to house the BA Geography which, as of August 1, 2020, became the responsibility of the Department. It is expected that, by housing this programme, DoHA will be in a better position to collaborate with the Department of Geography and Geology, particularly as it relates to the development of a new cross-disciplinary Archaeology programme. With this decision, DoHA is expected to take a proactive role in the promotion and review of the BA Geography that, to date, was housed in the FHE Dean's Office.

STUDENTS

Students are the focal point of The UWT's academic departments. For this reason, DoHA's significant growth in student enrolment during AY2019/2020 was a much-welcomed development. Undoubtedly it served to encourage all members of the Department to continue working hard as we strive to become a locally, regionally and internationally admired department. DoHA, however, is aware that the improvement in student enrolment made possible by the launch of the BA History & Journalism needs to be consolidated in order to make up for the loss in students of the past few years. For this reason, the Department developed a proposal for a BA History & International Relations along with the Department of Government and in cooperation with the Department of Modern Languages and Literatures. The proposal was favourably received by the FHE Board and colleagues in the Departments of History and Philosophy in Cave Hill and History in St Augustine. While the objective was to have the proposal approved at the end of the academic year and launch the programme in September 2020, efforts were derailed by the numerous adjustments that followed the COVID-19 public health emergency. The proposal is expected to be approved during Semester 1 AY2020/2021 and the programme to be launched in September 2021. Furthermore, at the end of the academic year, the Department took the first step to start the development of a new cross-disciplinary archaeology programme along with the Department of Geography and Geology and, possibly, the Department of Sociology, Psychology and Social Work, whose anthropology courses can made a valuable contribution to the future programme. DoHA also continued efforts to revise its MA Heritage Studies programme a draft proposal was presented for departmental review in July 2020. The Department expects to submit this proposal at the start of AY2020/2021.

In order to guarantee student access to existing and future programmes and courses, at the beginning of AY2019/2020, the Department decided to develop a marketing and outreach strategy that could effectively mobilize its limited human and material resources to ensure growth in student registration in both programmes and courses, while improving perceptions on our core disciplines, particularly history. In order to properly develop the marketing and outreach strategy it was deemed necessary to collect data, via surveys, that could give us a better understanding of the situation. The effort was somewhat derailed once the Department had to focus on the emergency response to the COVID-19 pandemic, which, according to the Campus forecast, was expected to undermine student enrolment in September 2020. Thus, DoHA rapidly developed a marketing and communication strategy to reach out to undergraduate candidates that had received offers for three of the four programmes that the Department is to offer in AY2020/2021 – BA History, BA History & Archaeology and BA History & Journalism.

Regarding the emergency marketing and communication strategy, the administrative team played a crucial role. Thus, welcome letters were sent to candidates who had accepted offers in our undergraduate programmes. In addition, letters were also sent to help convince undergraduate candidates who, at the time, were still considering offers to pursue DoHA's programmes. These initial steps were followed by subsequent communication via email and WhatsApp messages, informing prospective students about important updates and answering their queries. Given the Government stay-at-home orders at the time, the Department acquired two additional smart phones to supplement the existing one and allow the three administrative staff to fully assist in this marketing and communication strategy. In late July, the Department culminated this strategy by hosting a virtual pre-orientation session for incoming students. This was the Department's first pre-orientation session ever and sought to reassure prospective students about their decision to major in DoHA's programmes.

In addition, the Department hosted a virtual meeting with current students in order to gain their feedback regarding the remote teaching and learning experience, as well as to provide them with information and support to ensure their return in September 2020. During this meeting, the Department ran a pilot survey designed to better understand students' course choices. This tool is expected to be used AY2020/2021 to improve our course marketing strategy as well as to help inform the offering of elective courses.

A similar virtual event was held with graduate students. The main purpose of it was to reassure these students about the Department's commitment to support them and ensure the completion of their programme in the coming academic year. Special emphasis was placed on the relationship between graduate students and supervisors, as this is an area in which the Department needs to make some improvement so as to ensure that students can complete their programmes, especially their research papers

and theses, more promptly. Graduate students appreciated the Department's effort to reach out to them and a commitment was made to hold similar meetings at least once per semester. This is especially necessary, as many of them have completed their taught courses, and campus interaction is rather limited.

Finally, the DoHA continued the initiative taken in AY2018/2019 to have two faculty as liaisons for undergraduate and graduate students. This has allowed the Department to become more student centred, while responding to students' problems and concerns more rapidly. DoHA expects to consolidate this initiative and make it more effective in responding to students' challenges, especially with regards to graduate students.

PUBLICATIONS

Books:

- **Monteith, K.** *Plantation Coffee in Jamaica, 1790–1848* (Kingston: University of the West Indies Press, 2019), 240pp.

Articles:

- **Nelson, R.** “The West Indian Press and Public: Concepts of Regionalism and Federation, 1944–1946”, *The Journal of Caribbean History* 54, 1 (2020): 82–105.
 - **Robertson, J.** “‘Those days of horror and anxiety’: A Jamaican response to the coverage of Morant Bay in Sydney Olivier’s *Edward Eyre*”, *Bulletin of the Jamaica Historical Society* 13, 2 (2020): 6–8.
- , “Introduction: a new format for the Society’s Bulletin”, *Bulletin of the Jamaica Historical Society* 13, 2 (2020): i–ii.

Chapters:

- **Beier, Z.** “Dwelling Practices at the Cabrits Garrison Laborer Village, Dominica”, in James Delle and Elizabeth Clay (eds.), *Archaeology of Domestic Landscapes of the Enslaved in the Caribbean* (Gainesville, FL: University Press of Florida, 2019), 217–237.

Book Reviews:

- **Monteith, K.** Review of *Accounting for Slavery. Masters and Management* by Caitlin Rosenthal, *Journal of Caribbean History* 53, 2 (2019), pp. 266–269.
- **Watts, K.** Review of *José Martí and the Global Origins of Cuban Independence* by Armando García de la Torre, *Caribbean Quarterly* 66, 2 (2020): 323–25.

Non-Print Media

- **Beier, Z.** “The Impact of Europeans on Indigenous Societies in the Caribbean (1492–1600)”, The UWI Mona Department of History and Archaeology and Institute of Jamaica (IOJ) YouTube Education Series for The Caribbean Secondary Education Certificate (CSEC) exam, Kingston, Jamaica, May 2020, <https://www.youtube.com/watch?v=-0CwVMYe084&feature=youtu.be> (accessed June 22 2020).
———, “Recent Applications of Technology in Jamaican Archaeology” Archaeology Podcast Network, ArchaeoTech Podcast with Paul Zimmerman and Chris Webster, episode 113 (September 24, 2019), <https://www.archaeologypodcastnetwork.com/archaeotech/113> (accessed June 22 2020).

While the Department congratulates itself for Dr Kathleen Monteith’s publication of her second monograph in December 2019, research publication remains an area in which DoHA needs to improve, especially considering its past publication record and The UWI’s research publication objectives. To some extent, the unsatisfactory publication record of the Department is the result of the intense curriculum review process that it has undertaken for the past two years, as well growing demands for faculty to become more actively engaged in various committees and the growing functions of tertiary institutions. In addition, The UWI’s drive to become a more student-centred institution has also contributed to increase faculty’s workload in a context in which the Department has witnessed a significant reduction of its academic staff in recent years. It is not uncommon for DoHA’s faculty, for example, to teach up to three courses per semester. All these factors combined do not favour the research throughput that DoHA aspires to achieve.

While it is unlikely that unfavourable conditions will change significantly in years to come, DoHA’s staff is committed to increase its publication record and, thus, improve the prestige and relevance of the Department. While DoHA shares The UWI goal to meet the research publication production of reputable international institutions, it also believes that the University should consider implementing measures that can assist in this shared objective. One possible solution could be the reduction of contact hours by half of one faculty per semester, so they could dedicate more time to research and writing.

ALIGNMENT

DoHA has renovated efforts to increase its visibility and relevance to those institutions and organizations whose work is connected to the academic disciplines and mission statement of the Department. Undoubtedly, there is still much that needs to be done in order to raise awareness about the importance of heritage preservation and historical

and archaeological research for the integral development of the region. The Department believes that historical references can broaden the outlook and perspectives of regional decision makers and citizens regarding the future of Caribbean societies. The Department also continues its commitment to align its activities with public and private sector employers by stressing the development of soft skills among its students. This effort seeks to improve DoHA graduates' preparation for both the job market and graduate studies.

PAPERS PRESENTED

- **Beier, Z**, “Following Forts and Community Life in the Caribbean: Research and Teaching Potential”, Department of Archaeology Seminar Series, Durham University, Durham, UK, April 2020. (22 pp.)
 - , “Kingston Harbor and the Burgeoning Landscape of World War”, co-authored with Stephan T. Lenik. 53rd Conference of the Society for Historical Archaeology, Boston, Massachusetts, USA, January 2020. (10 pp.)
 - , “Archaeological Heritage inna di Garrison: From British Forts to Jamaican Dancehall”, The UWI Mona Department of History and Archaeology Staff/Postgraduate Cross-Campus Seminar, Kingston, Jamaica, November 2019. (28 pp.)
- **Corniffe, J.** “Westmoreland’s Sugar Industry 1703-1807: The Case of the Coloured Heirs of George Williams”, The UWI Mona Department of History and Archaeology Staff/Postgraduate Seminar, Kingston, Jamaica, June 2020. (26 pp.)
- **Monteith, K.** “Bankers and Empire: The Formation of the Colonial Bank and Barclays Bank (Dominion, Colonial and Overseas)” presented at the Symposium, “Western Banking & Finance Systems, Colonialism and Reparation”, hosted by the CARICOM Reparation Commission in collaboration with the Centre for Reparation Research, UWI and the Antigua-Barbuda Reparation Support Committee, in Antigua-Barbuda, October 10, 2019. (16 pp.)
- **Okenve, E.** “Looters as Soldiers: Fear and Order in Spanish Equatorial Africa, 1900-1940”, The UWI Mona Department of History and Archaeology Staff/Postgraduate Cross-Campus Seminar, Kingston, Jamaica, April 2020. (26 pp.)
- **Oshikiri, T.** “Japan in British Jamaica”, presented at the International Workshop for the Translating Culture Project, Waseda University, Japan. 15 January 2020. (10 pp.)
- **Robertson, J.** “Asking where our collections come from – provenance, categorization and gaps” in the opening panel, “Rethinking Public Archives” to the Department of Library & Information Studies First Symposium on Archives, Unlocking

Caribbean Memory: Uncovering New Records, Discovering New Archives. 29–30 October 2019, Regional H.Q., Mona, October 29, 2019. (9 pp.)

———, “Spanish Town in the 1970s: the Georgian Society’s Architectural Survey” Outgoing President’s Lecture, Annual General Meeting, Jamaican Historical Society, February 15, 2020. (29 pp.)

——— and Sherene A. James-Williamson, “Hoping for Gold Mines in Early Jamaica”, Archaeological Society of Jamaica’s 18th Symposium, March 12, 2020. (8 pp.)

———, “‘That wee Should Chuse ye Government a Mongst our Selves’: Re-Evaluating the Guanaboa Regiment’s Mutiny in 1660”, The Atlantic History Seminar, Department of History, University of Minnesota, April 9, 2020. (32 pp.) (circulated electronically). Revised versions of papers delivered to the Department of history & Archaeology Seminar, UWI Mona, November 29, 2019. (24 pp.)

———, “The Black Death and Cholera”, UWI’s Humanities in Action Lecture Series, June 9, 2020. (2 pp.)

- **Watts, K.** “Boxing in Jamaica: Physical Culture, Entertainment and Enterprise in a Colonial Space, 1892–1945” (16 pp.), The UWI Mona Department of History and Archaeology Staff/Postgraduate Seminar, Kingston, Jamaica, May 2020.

Travel restrictions related to the COVID-19 pandemic impacted negatively on the Department’s performance in this area, as faculty were not able to participate in conferences that were scheduled in the latter part of the academic year.

The Department continued hosting its Staff/Graduate Seminar series during AY2019/2020, including six cross-campus seminar presentations shared with sister departments in Cave Hill and St Augustine. Three of the papers presented during this academic year were delivered virtually during the April-June period in which face-to-face activities were interrupted. The Department also hosted three visiting researchers, including two recipients of the Fulbright Student Programme – Damali Britton and Taylor Prescott – who delivered papers in the Staff/Graduate Seminar series.

PUBLIC SERVICE

During AY2019/2020, members of the Department have indeed made great efforts to increase the DoHA’s visibility and relevance as well as to play a greater role in public advocacy in matters related to the Department’s academic disciplines. Thus, on November 10, 2019 Dr Enrique Okenve wrote a column in *The Sunday Gleaner* denouncing Jamaican government officials’ lack of consultation with the appropriate stakeholders regarding plans to develop historic Port Royal as a tourist destination. The publication of this column was followed by Drs Zachary Beier and Okenve’s

attendance of a townhall meeting in Port Royal hosted by the Urban Development Corporation on November 27, two weeks after the publication of Dr Okenve's column. In addition, on December 6 Drs Renee Nelson, Beier and Okenve participated on a Newstalk radio special that discussed the potentially negative effects of the current tourism development plans for Port Royal's heritage, environment and residents. This example signals the more active role DoHA should play in national and regional matters of special interest to the Department.

The Department was due to hold the 36th Annual Elsa Goveia Memorial Lecture on March 24, 2020. Professor Douglass Armstrong, Professor and Chair of Anthropology at Syracuse University, was invited to deliver the Lecture titled: "Enslavement, Resistance, and Expressions of Freedom's for Africans in the Caribbean – Lessons from Archaeology". Unfortunately, the Department was forced to postpone this event until further notice due to the travel restrictions created by the COVID-19 pandemic. We anticipate Professor Armstrong's delivery of his lecture at our next hosting of the event sometime in AY 2020/2021.

As part of the effort to revive interest in DoHA's academic disciplines, the Department delivered its annual CAPE History lectures during two sessions on March 7 and April 8. The first session, dealing with Unit 1, was delivered using the traditional face-to-face format. The second session, dealing with Unit 2, was initially postponed due to the suspension of face-to-face activities on Campus. Thanks to the initiative and support by Campus Marketing, Recruitment and Communications and MITS, DoHA was able to deliver Unit 2 lectures virtually on April 8. Students across the region were able to watch these lectures and submit questions via YouTube. This initiative was especially valuable considering that high schools across the region were also forced to interrupt face-to-face classes and students were in greater need than ever to gain access to content in preparation for upcoming CAPE exams.

Following this successful initiative, we were invited by the National Museum of Jamaica (Institute of Jamaica) to collaborate in a similar initiative for CSEC students. Collaboration between the National Museum of Jamaica and DoHA with the support of MITS made it possible the recording of eight lectures dealing with different aspects of the CSEC History curriculum. These interviews were released via the Museum and DoHA's YouTube channels during the second half of June.

Efforts undertaken to reach out to a greater audience and provide a much-needed service for high-school students across the English-speaking Caribbean during this academic year show the way forward for the Department. Having learnt from this experience, the Department expects to create yet more attractive pedagogical content that can increase interest in archaeology, heritage and history, while showcasing the relevance of these disciplines to the region at a time of significant upheaval and uncertainty.

In addition, the Department and faculty participated in other outreach activities during AY2019/2020. Thus, DoHA collaborated with the Centre for Reparations Research in hosting a workshop on the Slave Trade Database conducted by Professor David Eltis on February 27. Dr Enrique Okenve also represented the Department in a number of outreach activities for high school students, such as a guest presentation at the launch of the African Caribbean Institute of Jamaica's exhibition 'A Two-Way-Journey — Africans, Culture and the Diaspora' on February 18. He also delivered a guest presentation on Africa's independence processes as part of the Sankofa celebrations held by Liberty Hall-The Legacy of Marcus Garvey on March 5 and chaired a Lecture on Reparations for high-school students delivered by Professor Verene Shephed at the Institute of Jamaica on November 7. Collaboration with the JN Foundation continued during AY2019/2020 as part of the Parish Histories Project that is expected to be completed in 2022.

Furthermore, members of the Department continued serving in relevant **boards** in an effort to influence and assist in the development of activities and policies regarding heritage, archaeology and history. Thus, the following DoHA members served in various boards:

- **Zachary Beier:** UWI representative in the JNHT Board.
President of the Archaeological Society of Jamaica Board.
- **James Robertson:** Archaeological Society representative in the JNHT Board.
Editor, *Jamaican Historical Review*.
Member of National Archives Committee.
President (till Feb 2020) and member of Jamaican Historical Society Board.
- **Karl Watts:** DoHA's representative in the Jamaican Historical Society Board.
- **Renee Nelson:** Vice-president of the Archaeological Society of Jamaica Board.
- **Kathleen Monteith:** Board of Management of the African Caribbean Institute of Jamaica/Jamaica Memory Bank/Liberty Hall.
Editor, *Journal of Caribbean History*.

AGILITY

The Department income generation activities were restricted to the offering and marketing of academic programmes and courses, especially the self-financing BA History & Journalism. In this regard, DoHA also undertook the development of the self-financing BA History & International Relations programme proposal that is yet to complete the review process at the Mona Campus level.

While additional income generation activities were discussed by the Department, insufficient human resources as well as the adjustments required by the impact of the COVID-19 pandemic undermined any follow-up efforts. There is potential to provide consultancy services dealing with the Department's main areas of academic expertise – archaeology, heritage and history – yet limited resources and workload do not favour the development of these initiatives. Given the teaching, administrative and research obligations of DoHA staff, for the time being it is unlikely that we can engage in any income generation activity that is not tied up to our regular academic activities. In this respect, the potential development of an international archaeology field school has been discussed as the most viable option to generate much-needed resources. The archaeology field school is currently an integral part of the BA History and Archaeology and both the Campus and the island at large present numerous, attractive opportunities for archaeological work and research. As part of this initiative to maximize the potential of the Department's archaeology section, especially the Archaeology Lab and its collections, discussions were held about the need to raise funds to upgrade the lab facility, since this could potentially facilitate collaboration with international institutions and attract funding for archaeology and heritage research projects in the future.

CONCLUSION

Overall, the Department finds itself in a much better position than in the previous academic year. The work undertaken over the past two years, especially regarding its curriculum review – development of new programmes and proposals – have increased student enrolment and boosted the Department's position within the FHE and wider Campus. This has served to encourage both academic and administrative staff to continue working hard to reposition DoHA as a prominent teaching department within the region and as an international reference for the research of Caribbean History, Archaeology and Heritage Studies. As this Report has shown, there are still areas in which DoHA has room for improvement. It is not the Department's intention to rest on its laurels. On the contrary, we accept these shortcomings as motivation to press on for changes, so the Department can broaden Access for students across Jamaica and the wider Caribbean, Align with the needs of both the public and private sectors through its faculty's increased research publication and its programmes' greater focus on the development of soft-skills, and, finally, by maximizing existing resources and use of digital administrative tools to improve DoHA's Agility in promptly and effectively responding to challenges.

DEPARTMENT OF LANGUAGE, LINGUISTICS AND PHILOSOPHY



Dr Ingrid McLaren, BA., MA., PhD, (UWI) – Head of Department

INTRODUCTION

The 2019/20 Academic year, was one in which the Department sought to further its Operational Plan (adapted from the 2017–2022 UWI Strategic Plan) in the following areas:

ACCESS

- Teaching and Learning & Student Development
- Publications
- Outreach and Engagement/Activism & Public Advocacy

ALIGNMENT

- Presentations of Academic Papers
- Public Service

AGILITY

- Financial Health/Income Generation

ACCESS

In spite of the intervention of COVID-19, the Department was able to undertake meaningful activities for students, to enhance learning within their discipline while offering in many cases, opportunities for interaction with professionals in their area of study, and wherever possible practical experience. Indeed, it will be noted that in some cases, COVID-19 provided opportunities for meaningful Outreach activities and viable partnerships.

Access to all POST COVID Outbreak activities described below was facilitated by ZOOM links.

TEACHING AND LEARNING: STUDENT DEVELOPMENT & LEARNING ENVIRONMENT

Enhancing Academic Writing

We are pleased to report the expansion of our Outreach in the area of Academic Writing to the Region. This was spearheaded by Ms. Haidee Heron, Coordinator, for forty (40) students across the region in February 2020 from 6:00 to 7:00p.m. This was in response to a request by the Open Campus Librarian.

Outreach expansion is also apparent in the increased number of registered students attending the Writing Centre at Mona Campus for coaching on a regular basis, which has exceeded 100+ for Semester 1 2019.

Further details on Outreach are given below:

- A series of 13 well-attended workshops were mounted over 6 weeks.
- After resumption on 14 April, The Writing Centre offered a workshop on Writing a Book Review for students doing the Caribbean Civilisation course. The students' request for this activity to be repeated thrice was honoured.

Communication Across The Curriculum (CAC): Cross-Faculty Initiative

The Department is pleased to note that the cross Faculty initiative (Science and Technology) which involves the infusion of Speaking and Writing instruction into Chemistry and Life Sciences courses continues after its initiation 13 years ago.

'Professionalising' Interpreting (LING 3909:Profession of Interpreting)

The above course seeks to develop and enhance student preparedness for a profession in Interpreting through the pursuit of a variety of activities. 2019/2020 activities involved students being divided into country groups, ie 'delegations' and required to produce speeches and interpretation around the topic, "What strategies can be implemented to mitigate the effects of human activity on climate change".

Pictures were uploaded on our Social Media pages.

Additionally, a Seminar was also held in May 2020 which included a variety of professionals currently or formerly employed to International agencies such as the UN, FTAA, ILO etc. who shared their expertise via presentations which included :

- The Role of Interpreter
- The Role of Translation Services Coordinator
- How did I become an Interpreter and where am I now?

Lesson Plan Creation For Peace Corps Training (LING 3399: Language Planning)

As with the previous course, attempts are made to not only engage students in the transfer of knowledge, but to also offer opportunities for gaining practical experience. In the case of *Language Planning*, students were exposed to the components of a Lesson Plan which consisted of areas such as Materials and Resources, Learning resources, Methodology etc.

DEVELOPING LANGUAGE POLICY IN THE CARIBBEAN: Seminar for Undergraduate and Graduate Students

A joint seminar on Developing Language Policy in the Caribbean was presented to Sociology of Language students and students in the MA in English Programme in early June.

The focus of this undertaking was “How to make a Language Policy for a Government Agency”. Areas covered included:

- Who are supposed to be the beneficiaries of the Language Policy and what are the principles underpinning the development of the Policy?
- Whose language policies have to be modified as part of the implementation of such a policy?
- The Language Policy affects language communication in what form, written, spoken . . . etc?

MARKETING INITIATIVE

Linguistics Day – November 2019

The above event hosted over 200 high school students from Excelsior High, Jose Marti and Jonathan Grant high schools. Members of the Linguistics Section presented on key areas of Linguistics including, Syntax, Phonology and Sociolinguistics. Special thanks to graduate student Shyrel-Ann Dean who facilitated the Communication Studies Workshop.

LOUD (Linguistics) club members gave motivational speeches and facilitated fun activities and giveaways. The overall feedback from the students and teachers in attendance was positive.

Ling Talk- E-Orientation Session June 2020

Virtual panel discussions with section members, past students and admin personnel were held in late June as part of outreach to prospective students.

Activities included:

- Overview – Linguistics, Sociolinguistics, Sign Language
- Student Experiences –shared by past students
- Outstanding Registration Issues

PUBLICATIONS

Books & Monographs

- **Dr Vivette Milson-Whyte; Raymond Oenbring; Brianne Jaquette (Eds).** “*Creole Composition: Academic Writing and Rhetoric in the Anglophone Caribbean*” (Lauer Series in Rhetoric and Composition) Parlor Press; Paperback, 2019 (Aug).
- **Professor Lawrence Bamikole.** “The Priority Argument, Politics, and Development in Africa”, In Martin S. Shanguhya and Toyin Falola (Eds) *Development in Modern Africa, Past and Present Perspectives*, London & New York: Routledge, 2020.
- **Dr Joseph Farquharson, Dr Clive Forrester, & Dr Andrea Hollington.** “The linguistics of Jamaican swearing: Forms, background and adaptations”. In *Swearing and Cursing: Contexts and Practices* in Nico Nassenstein and Anne Storch (eds.), *A Critical Linguistic Perspective*. Berlin: De Gruyter Mouton, 147–163, 2020.
- **Dr Carmeneta Jones.** “Teaching Literacy Skills in the Jamaican Creole-Speaking Environment: A Reflection” In Vivette Milson-Whyte, Raymond Oenbring and Brianne Jaquette. Anderson (eds), *Creole Composition: Academic Writing and Rhetoric in the Anglophone Caribbean*, SC: Parlor Press, 39–75, 2019 (Aug).
- **Annife Campbell.** “*Understanding and Shifting a Marking Community’s Response to Students’ Writing: Lessons from Jamaican Instructors’ Expression’ and Comments.*” In Vivette Milson-Whyte, Raymond Oenbring and Brianne Jaquette Anderson (eds), *Creole Composition: Academic Writing and Rhetoric in the Anglophone Caribbean*, SC: Parlor Press, 157–177, 2019 (Aug).
- **McCalla Sandra.** “Racialized Beauty: The Case of Skin Bleaching as an Identity Crisis for Non-Whites.” In John A.I. Bewaji and Adedoyin Aguoru (Eds), *Identity Re-creation in Global African Encounters*. Lanham: Lexington Books, 99–116, 2019.
- **Bewaji, J. A. I.** “Arts, Identity, Disabilities and Otherness: Tropes of Inclusion and Exclusion”. In *African and Diaspora Discourse: A Journal of the Institute of African and Diaspora Studies*, University of Lagos, Vol. 1, pp. 6-46, 2019.

Refereed Journal Article

- **Dr Carmeneta Jones.** (2020) “Science students’ perceptions of the use of WhatsApp: Read aloud and tutor scaffolding as a means of self-initiated learning in a discipline-specific writing course”, *UWI Quality Education Forum*, Issue 24.

- **Dr John A I Bewaji.** (2020). “Destroyed Past Second Order, Truncated Present, Dubious Future – The Challenge of Black Identity in a Globalized World”, *African Journal of Philosophy*, Vol. IV, 1&2, 53–72.
- **McCalla, Sandra.** (2019). “Sexism or Fair Play: Intersex Women in Competitive Sports.” *International Journal of Applied Philosophy*, 33 (2):259–273.

OUTREACH

Miss Lou 100 Celebration

In keeping with the ‘Miss Lou 100 Celebration’, the following activities were mounted in October 2019:

- The Jamaican Language Unit (JLU) posted a full page advertisement with signatures supporting official status for Jamaican alongside English on October 30.
- Language Rights in the Jamaican Constitution’ Roundtable Discussion and Launch of Online Petition ‘Make Jamaican Official-‘JOS DWIT’ on October 31.

The 5th Cassidy-Le Page Memorial Lecture

- The Department hosted the 5th Cassidy Le Page Lecture on October 29. The Lecture was delivered by Professor Hazel Simmons Mc Donald.
- UWI/UNESCO Philosophy Day was held on November 21.

Guest Lecture

- Dr. Joseph T. Farquharson was the guest speaker at the meeting of the Kiwanis Club of Young Professionals, Kingston on February 19, 2020, as they focused on the Jamaican language during Black History Month. Dr. Farquharson’s speech entitled, “*Patwa an wi Nation: How fi Move Forward*” was done entirely in Jamaican.

Virtual Lecture

- Professor Anthony Savari Raj, Visiting Professor for Chair in Indology/ Gandhian Studies delivered a Virtual Lecture entitled *Contours of Hope from Indian Philosophy in times of COVID 19*” arranged by the High Commission of India, in collaboration with the ICCR, New Delhi, on May 27 2020, from 11am-12 noon.
- Mrs. Kelleen Ayton presented three 40 minute lessons for CAPE Communication Studies, Modules 2 and 3 on April 29, May 6 and May 13. to prepare and present

lessons for *“Schools Not Out”*, an educational program aired on Television Jamaica for students at the CSEC and CAPE levels.

Partnership With Ministry of Health And Wellness

- The Jamaican Language Unit focussed its efforts on translating information from the Ministry of Health and Wellness. These represent the Jamaican Language Unit’s contribution to the national COVID-19 response. The posts mostly constitute translations of government advisories on the COVID-19 pandemic. These translations were done in light of the fact that the Jamaican language is the language which has the widest currency in Jamaica among natives and immigrants. Translations included:
 - **Ou Fi Protek Yuself Fram Di Nyuu Karuonavairos**
 - **Fi Stap COVID-19 Lisn Tu Uol Taim Piipl**
 - **Wa Di Govament a Se Pt 4**
- The Unit was participating in a group of countries seeking to translate the various Health Information in various indigenous languages.

Release of Audio

The Unit released its first audio via social media platforms and was seeking the assistance from members of the Department in distributing the information.

ALIGNMENT

PAPERS PRESENTED

- **Professor John Bewaji:** “African Studies and the Question of Diaspora” at the Africa Multiple Cluster of Excellence Conference at Bayreuth University, Germany, November 2, 2019.
- **Professor John A.I. Bewaji, 2019.** “Research, Grant Writing, Fellowships, Publications for Young Academics in the Humanities”, Guest Lecture, Ahmadu Bello University, Faculty of Arts, Zaria, Nigeria, August 22.
- **Professor John A.I. Bewaji, 2019.** “African Studies and the Question of Diaspora” Invited Plenary Paper Presentation at The Africa Multiples Conference, University of Bayreuth, Germany, October 30.
- **Professor John A.I. Bewaji, 2020.** “The Future of the ‘Future’: Norming Virtual Learning”, Afe Babalola University (ABUAD), Ado-Ekiti, Nigeria May 30.

- **Dr Vivette Milson-Whyte 2020.** “Stretching Inward, Reaching Outward: Why we need Research about Academic Writing in the Anglophone Caribbean,” Keynote Presentation, at the launch of her co-edited book *Creole Composition: Academic Writing and Rhetoric in the Anglophone Caribbean* at the University of The Bahamas, Nassau Campus on February 28.

PUBLIC SERVICE

- **Professor John A.I. Bewaji.** Fellowship: Evaluator Board Member, CODESRIA (*Council for the Development of Economic and Social Research in Africa*) 2020.
- **Professor John A. I. Bewaji.** Visiting Professor to IADS, Department of Philosophy, University of Ibadan, August, 2019 and Faculty of Art, Ahmadu Bello University, Zaria, August, 2019.
- **Ms. Khimaja Connell.** Appointed to UNESCO Jamaica National Bioethics Committee (NBCJ), September 2019.

AGILITY

INCOME GENERATION

The three Income Generation entities within the Department are as follows:

- The International English Language Testing System (IELTS);
- The English Language Proficiency Test Unit (ELPTU); and
- The Writing Centre (WC)

IELTS:

- The most recent Statement for IELTS reports that as at June 18 of this year there was \$45,612,641.40 in the Account.

ELPTU:

- The most recent Statement for ELPT reports that as at July 31 of this year there was \$6,137,682.32 in the Account.

WC:

- The most recent Statement for the WC reports that as at July 31 of this year there was \$4,519,110.95 in the Account.



DEPARTMENT OF LIBRARY AND INFORMATION STUDIES

Dr. Rosemarie Heath – Actg. Head of Department

Mission of the Department

“To provide the highest standard of teaching and research to produce library and information professionals, well equipped to face the challenges of the dynamic information environment, and to provide leadership in managing the information needs of the Caribbean for the twenty-first century and beyond.” (2011 Revision)

HIGHLIGHTS OF DEPARTMENTAL ACTIVITIES

- Symposium on Archives and Records
- Daphne Douglas Distinguished Lecture
- Participation in the Humanities in Action Virtual Seminar Series
- Summer Institute

WORK OF THE DEPARTMENT

The Department of Library and Information Studies (DLIS) offers professional training to library and information professionals across the Caribbean. It is the only such department in The UWI. It offers courses through blended modality for undergraduate and graduate programmes, serving the Caribbean. The Department is staffed by five full-time lecturers, one senior administrative assistant, one senior secretary, one office attendant, one librarian and one assistant librarian. The part-time staff consists of fourteen lecturers. Collective effort has seen to the overall success/advancement of the Department through the achievement of Department goals and objectives, set in observance of the general UWI Strategic Plan 2017–2022: “expansion of **access** to tertiary education, increased **agility** to global opportunities, and **alignment** between industry and academia.”

The Department currently offers the following programmes:

- BA in Library and Information Studies
- BA in Librarianship
- BA in Information Studies
- BA in Computer Science
- MA in Library and Information Studies – MALIS
- Masters in Library and information Studies – MLIS
- MA in Archives and Records Management – MARCM
- MPhil/PhD in Information Studies

The DLIS has also started the process towards creating a new programme in “School Librarianship” so that graduates will fulfill the standards for teachers, acquire the necessary hours of teaching practice, and be prepared with core courses in librarianship. The BA in Librarianship and the BA in Information Studies programmes were developed in response to the needs of the information field for graduates to work in libraries and other information units. The Master of Arts in Archives and Records Management was also developed as a result of assessing the regional need for professionals in both archives and records management and the international interest in Caribbean documentary heritage and cultural memory. The Department is currently reviewing its courses to include, develop and contribute to the creation of Museum Studies programmes in the University.

ACCESS

TEACHING, LEARNING AND STUDENT DEVELOPMENT: UNDERGRADUATE MATTERS

MPhil/PhD in Information Studies

The Department successfully renamed its research degree, from Library and Information Studies, to “Information Studies” as part of its quest to revitalize its research programmes. Information Studies is an interdisciplinary domain concerned with the creation, organization, management, and uses of information in all its forms, formats and expressions. It includes Archival Studies, Library Studies, Museum Studies and Records Management and applies the practices, perspectives, and tools of management, information technology, information preservation, history and cultural heritage to the creation, collection, organization, preservation, and dissemination of information resources.

In response to a Call for Expressions of Interest in the renamed programme, the DLIS received over ten respondents. These persons are now being encouraged to apply. The DLIS is hoping to welcome Professor Emeritus Jeannette Bastian as an Honorary Fellow in Information Studies to strengthen the Department's capacity to supervise research candidates. We expect to have a small batch commencing their studies in 2020–2021.

DLIS Response to COVID-19

In March 2020, when activities in the physical space on the Mona Campus were reduced significantly because of the COVID-19 Pandemic, forcing all programmes across the University online, the DLIS was 95% ready for online course delivery. All of our graduate programmes, as well as Level 1 of the undergraduate programmes were already being offered in synchronous modality using Zoom and OurVLE. The two Level 2 courses in Information Studies (LIBS2704 and 2705), as well as the two Level 3 courses (LIBS3604 and LIBS3702), had not yet been phased into synchronous modality, but were easily adapted, since the Department already had in place, the necessary technological infrastructure and training to accommodate this. The relevant lecturers prepared the four courses (which were still fully face-to-face) for online delivery. This process was completed by Friday, March 27, 2020.

Practicum/Internship 2019/2020

The Department offers four internship/practicum courses:

- LIBS3802 – Internship in Librarianship
- LIBS3803 – Internship in Information Studies
- LIBS6904 – Practicum in Library and Information Studies
- ARCM6005 – Practicum in Archives/Records Management

The Coronavirus (COVID-19) pandemic disrupted our usual internship programme for all students. We took into consideration the fact that although some offices/libraries/information units would have remained open during the summer period; it was on the basis of limiting unnecessary traffic through their workspace. This made placement of students a difficult exercise. In light of this we decided to allow only students who were eligible for graduation this year to participate in the fieldwork programme. All other students will be facilitated next summer. The students who were employed were asked to conduct their fieldwork in their place of employment.

The terms of the programme required students to undertake a major practical exercise based on the capacity and need of Institution/Organization. Additionally, the exercise should facilitate the achievement of the objectives of the fieldwork programme and

will reflect activities outside of the student's regular working duties/responsibilities; as such, students who will be facilitated in their places of employment will be accommodated in a different department than the one they work in. Special projects will be assigned for all field-work students to complete remotely. Project files will be submitted and assessed. Students will physically go to the institution as stipulated by the host organization. At the end of the exercise, a field-work report will be submitted by each student for grading. The practicum hours will be calculated against the estimated time put into producing the major projects, the physical attendance to work and the time given to other duties conducted remotely.

For the most part, all communications as it relates to contacting and placing students adhered to the usual procedures of the internship programme and the objectives of the programme were communicated to students and host institutions. We also highlighted the fact that during the contact hours, all the necessary social and health procedures related to COVID-19 should be adhered to as closely as possible.

A total of 27 students applied for Internship, see breakdown of figures in the table below:

Table 1: Placement of Students for Practicum

Programmes	Students Placement	Placement Status	Countries of Placement
Undergraduate (4) BA Library and Information Studies BA Librarianship BA Information Studies	1	(1) students awaiting confirmation dates from Institution	Jamaica
		(1) scheduled to start on June 15th	Jamaica
	2	(1) students awaiting confirmation dates from Institution	Jamaica
	1	(1) student awaiting response from Institution	Jamaica
Graduate (10) MLIS MAARCM	9	(2) students started on June 1st	Trinidad: 1 Grenada: 1
	1	(2) students started on June 15th (3) students awaiting confirmation dates from Institution (3) students awaiting response from Institution	Trinidad: 2 Trinidad: 2 Tobago: 1 Suriname: 1 Jamaica: 2
TOTAL	14		

Semester 3 (Summer Term)

The DLIS offered three courses in Semester 3. These were:

- LIBS6504 – Integrated Library Systems
- LIBS6202 – Subject Analysis and Indexing in Information Retrieval
- MGMT6015 – Basic Statistics (adopted from Department of Management Studies)

These are intensive courses offered over a six week period. The Department took the decision to offer all three courses online during Summer 2019/2020.

TEACHING AND LEARNING: POSTGRADUATE MATTERS

Master Class in Archival Studies

The DLIS hosted an Archival Studies Master Class, conducted by Victoria Lemieux, PhD, Assoc. Professor, Archival Studies, and University of British Columbia, Canada, entitled “The Life of a Record in the Blockchain Era” on 7 April 2020. Over 60 persons participated in this online-only session, joining all three ARCM year groups and LIBS students were Archival Studies students from Inter-Continental University of the Caribbean (Curacao), University of British Columbia (Canada), archival leaders and practitioners from Antigua and Barbuda, the Bahamas, Barbados, Belize, British Virgin Islands, Curacao, Suriname, Trinidad and Tobago, and Jamaica.

EMPLOYEE ENGAGEMENT AND DEVELOPMENT

Academic Staff

Appointment of Acting Head, DLIS

Dr. Rosemarie Heath was appointed as Acting Head of the Department of Library and Information Studies, with effect from August 1, 2019, while Dr. Paulette Stewart proceeded on Sabbatical Leave. The appointment is full-time, for a period of one year and will end on July 31, 2020.

New Adjunct staff

Three adjunct staff members joined the Department to teach the following courses:

- Mr. Norman Malcolm: ARCM6010 – Methods of Inquiry for Archives & Records
- Ms. Carol Francis: LIBS6002 – Information, Communication & Society
- Ms. Heather Thompson: LIBS6203 – Metadata & Resource Discovery

Replacement part-time staff

Dr. Yan Wu, a full-time lecturer in the Department, was absent from her duties for the duration of Semester II. In her absence, three persons were engaged to teach her courses. These persons are: Mr. Mark-Jeffery Deans – LIBS2502, Mr. Nicholas Graham – LIBS6503 and Mrs. Audrey Saddler – LIBS3702.

AWARDS & GRANTS**Distinguished Teaching Award**

On November 14, 2019, Dr. Rosemarie Heath was one of several lecturers to receive The UWI Distinguished Teaching Award, 2018. The function was hosted by The Centre of Excellence in Teaching and Learning in association with the Office of the Deputy Principal. This was held in recognition of lecturers with consistently high scores in student evaluation.

OUTREACH ACTIVITIES**2019**

- The Department was involved in a number of school visits in 2019. Mr. Deans visited Jamaica College, during which he met with the Guidance Counsellor and left brochures which were distributed to students. Members of the University of the West Indies Library and Information Student Society (UWILISS) were involved in the school visits. Two students from the Society visited the Wolmer's Boys High School.

2020

- The Department participated in the Humanities in Action Virtual Seminar Series which commenced on June 9, 2020. Mr. Mark-Jeffery Deans presented an excerpt from his book chapter "Fake News and Media Literacy in Jamaica. The Influence of the Broadcasting Commission as Component of a Global MIL City".
- Dr. Stanley H. Griffin also represented the DLIS in the 2nd Cycle of the Humanities in Action Virtual Seminar Series, organized under the theme, "The Historical Quest to Respect Black Bodies and Lives". His paper was entitled, "#BlackLivesALWAYS Matter: Historical Records & Caribbean Archives in the Fight for Black Humanity".

THE LEARNING ENVIRONMENT AND STUDENT DEVELOPMENT

Faculty/Departmental Awards

Prizes awarded to Students in 2019/2020

AWARDS	CRITERIA	STUDENT
Quida Rowe Prize	Best Grade in LIBS1003- Introduction to Information Studies	Shelly-Ann Lewis-Greenwood
Frances Salmon Prize for Outstanding Performance at Level II	Best overall performance at Level II	Jodi-Ann Sadler
Dorothy Collings Prize (Graduate)	Best overall graduate performance	Davian Grant
Fay Durrant Prize	Best grade in LIBS3901 – Access to information in the Caribbean	Kanika Moffatt
Records Management Prize (Graduate)	Best Grade in ARCM6004 – Records Management in a Digital Age	Ann-Marie Hyde
CARBICA Prize	Best Grade in ARCM 6002 – Acquisition, Organisation & Use of Archival Materials	Audrey Koenders Andrika Perkins
CARBICA Prize	Best Grade in ARCM6003 – Preservation of Archival Materials in Tropical Environment	Kimray Richards
Pippa Fray Prize	Best Grade in LIBS6001- Foundations of Library & Information Studies	Omarsha Easy
The Ideal Record Keeper Prize	Best Grade in ARCM6005 – Practicum in Archives & Records Management	Demar Ludford Nicoleen Saunders-Grant
Preservation Management Prize	Best Grade in LIBS3702 – Preservation Management for Libraries & Information Units	Kanika Moffatt

Meeting with Course Representatives

Students at both the graduate and undergraduate levels expressed general satisfaction with the staff and services provided by the Department. Online students were especially grateful for the support provided by course representatives and lecturers, but expressed that they experienced difficulties getting information from some

administrative offices outside of the Department. The major challenge experienced by students for the semester was the inability to print from the lab as the printer was in the process of being installed. This has since been rectified. No meeting was held for Semester II.

PUBLICATIONS

Book Chapter

- **Deans, Mark-Jeffery.** Fake News and Media Literacy in Jamaica: *The Influence of the Broadcasting Commission of Jamaica as a Component of a Global MIL City*. The University of São Paulo, 2020.

Journal Articles

- **Dr. Rosemarie Heath and Rashanna Sinclair.** “The Significance of Information Literacy Instruction in the Preparation of Jamaican Students for Tertiary Studies”. *The Quality Education Forum*, January 2020.
- **Dr. Paulette Stewart & Mr. Mark-Jeffery Deans:** “Practices and Barriers of Inter-Professional Collaboration with Teacher-Librarians and Teachers: A Content Analysis”. *School Libraries Worldwide*, 26(1), 166–180.

ALIGNMENT

INNOVATION, RESEARCH AND PUBLICATION

Daphne Douglas Distinguished Lecture

The Department held its annual Daphne Douglas Distinguished Lecture series on Thursday, March 5, 2020 at 5:30 pm in the Neville Hall Lecture Theatre (N1). This year’s keynote speaker was Dr. Sean Thorpe, Head, School of Computing and Information Technology, University of Technology, Jamaica. The theme of the lecture was “*Artificial Intelligence for Next-Level Library and Information Studies*.” The event was supported by library and information professionals, colleagues from the UWI and UTECH, DLIS students and other interested individuals.

MAJOR CONFERENCES/SEMINARS & PAPERS PRESENTED**Dr. Paulette Stewart, and Mr. Mark-Jeffery Deans***Participated in:*

- UNESCO Global Media and Information Literacy Week Conference and Youth Conference on October 24–31, 2019 in Gothenburg, Sweden.
- Caribbean Disability Access Policies: Access to Educational Institutions and Libraries. The College Libraries Information Network (COLINET) 11th biennial Symposium, February 20, 2020.

Mr. Mark-Jeffery Deans

- Presenter, COVID-19 – Promoting a Culture of Informed Decision Making. Library and Information Association of Jamaica (LIAJA), May 8, 2020.
- “Fake News and Media Literacy in Jamaica: The Influence of the Broadcasting Commission as Component of a Global MIL City.” Humanities in Action Virtual Seminar Series, June 9, 2020.

Dr. Stanley H. Griffin

- Guest participant, Radio Interview, “DTA Live Radio” (Decolonizing the Archive: From the Archives to the Airwaves), January 13, 2020. <http://www.decolonisingthearchive.com/radio>
- Guest Lecture, “Archival Decolonization: It’s Not Just for Canada”, Graduate Programme in Archival Studies, University of Manitoba, January 14, 2020.

Presented:

- “‘When Suga Meet Mas’: Cultural Policy Tips from ‘Sugar Mas’ St. Kitts”, Institute for Caribbean Studies Staff/Graduate Seminar, March 5, 2020.
- “From Sugar to Sweetness”: Some Thoughts on Creative and Cultural Industries in St. Kitts”, Institute for Caribbean Studies, Creative and Cultural Industries Undergraduate Course, March 6, 2020.
- “Dismantling The Last Bastion of Colonialism: Decolonizing Caribbean Archives Through Archival Education and Research”, “20/20 Vision: Seeing Archives Differently” Association of Canadian Archivists, Annual Conference, 10–12 June, 2020.
- “#BlackLivesALWAYSmatter: Historical Records & Caribbean Archives in the Fight for Black Humanity”, UWI Mona FHE “Humanities in Action” Webinar Series, 30 July, 2020.

Participated in:

- “Oral history of Disasters and Pandemics w/ Mary Marshall Clark”, Online

Workshop, Columbia Centre for Oral History Research. Columbia University, April 6, 2020.

- “Capacity Assessment of Latin American and Caribbean Partners: A Symposium about Open-Access, Technological Needs, and Institutional Sustainability”, Online Symposium, April 16–17, 2020.
- Public Consultation on The Future of Archival Studies Graduate Programme, University of Manitoba, Canada, 13 July, 2020.

PUBLIC SERVICE

Dr. Rosemarie Heath

- Member, ACURIL2021 Planning Committee – Chair: Hospitality Sub-committee
- Executive Committee member, Chancery Hall Citizen’s Association – Zone representative.
- Chair, Staff Welfare Committee – St. Andrew High School for Girls –Parent-teacher Association (PTA)
- Member, International Association of School Librarianship
- Member, Library and Information Association of Jamaica (LIAJA)
- Facilitator, Take a Child Home for Christmas Campaign – Child Development Agency (CDA)

Dr. Ruth Baker-Gardner

- Executive Committee Member, Library and Information Association of Jamaica (LIAJA)
- Assessor, University Council of Jamaica (for Mico University College B.Ed. in Library and Information Studies)
- Member, Accreditation Committee for Mico University College and Browns Town Community College
- Chair, Library and Information Association of Jamaica School Section
- Member, Accreditation Team, G.C. Foster College of Education and Sports
- Member, Accreditation Team, College of Agriculture, Science and Education

Dr. Stanley Griffin

- Mentor, Centre for Archive and Information Studies (CAIS) University of Dundee, Scotland, January 2019 to present
- Trainer, International Council on Archives, Programme Commission, September 2018 to present

- Member, Executive Committee, ICA-SUV, Section for University and Research Institutional Archives, 2016–present
- Co-editor, *CARBICA News*, 2020–2024
- Secretary, CARBICA Executive, March 2019–2022
- Chair, Communications, CARBICA, 2019–2022
- Representative, Jamaica Historical Society on the Jamaica Archives Advisory Committee 2019–2020
- Member, Government of Jamaica Records and Information Management Oversight Committee
- Member, RIM Technical Services Review Sub Committee, Govt. of Jamaica, Jamaica Archives & Records Department (JARD)
- Member, Human Development & Capacity Training, Records and Information Management Transformation, Govt. of Jamaica
- Member, UNESCO Memory of the World, Jamaica National Committee
- Member, Programme Committee, International Conference on the History of Records and Archives
- Peer-Reviewer, Archival Science: *International Journal on Recorded Information*
- Peer-Reviewer, Archivaria: *Journal of the Association of Canadian Archivists*

Mr. Mark-Jeffery Deans

- President, Library and Information Association of Jamaica (LIAJA)
- Member, Jamaica Teachers Association
- Member, International Association of School Librarianship

Dr. Paulette Stewart

- Member, International Association of School Librarianship
- Member, Library and Information Association of Jamaica (LIAJA)
- National Judge. Jamaica Library Service National Reading Competition
- Member, Government of Jamaica Records and Information Management Committee with oversight for the Implementation for the GoJ's Records and Information Management (RIM) Programme

AGILITY

INCOME GENERATION

Self-Financing Programmes

The department offers 3 self-financing programmes (BA in Librarianship face to face and online), BA in Information Studies and the MA in Archives and Records Management (face-to-face and online). Each programme shows evidence of surplus for each financial period

Summer Institute 2019

The Department held its 2019 Summer Institute on June 11–13, 2019 under the theme, “Transforming Galleries, Libraries, Archives and Museums (GLAMS) in the 21st Century: A Workshop on Developing Innovative Skills, Techniques and Tools”. This three-day workshop explored communication innovations in the 21st Century which impact on how information is created, used, shared and maintained.

This workshop was intended for curators, archivists, records managers, librarians, IT specialists and digital media creators who would like to learn new skills, offer the newest tools and applications to improve their services and market their holdings to target wider audiences.

The presenters were from Amsterdam, Aruba, Jamaica and Trinidad and Tobago. Ninety (90) archivists, librarians and information professional attended from Barbados, Cayman Islands, Jamaica and Suriname. Eighty (80) participants attended face-to-face and ten (10) online. Participants received a certificate of participation at the end of the Summer Institute.

Symposium on Archives and Records

The DLIS successfully hosted its 1st Symposium on Archives and Records in collaboration with the Caribbean Regional Branch of the International Council on Archives (CARBICA) from October 29–31, 2019, at the UWI Regional Headquarters Building. It was the first dedicated academic activity reflecting on Caribbean Archives and Records, especially since the 1965 Caribbean Archives Conference, which triggered the development of archival institutions around the Commonwealth Caribbean.

This three-day event celebrated the following:

- (a) The graduation of the 1st cohort of MA candidates in Archives and Records Management (with all 4 receiving their MAs with Distinction).

- (b) The launch of the text designed specifically for the MA ARCM programme, “Decolonizing the Caribbean Record: An Archives Reader”, edited by Professor Emerita Jeannette Bastian, Mr. John Aarons and Dr. Stanley H. Griffin. This text will also be used in the BA Information Studies courses offered by the DLIS.

The Symposium featured:

- Thirty-one panel presenters from around the Caribbean, Canada, Netherlands, Suriname, and the USA
- Participants included staff from heritage institutions in Belize, the Bahamas, Guyana, Trinidad and Tobago and Jamaica
- A book launch attended by over 120 persons
- Distinguished Lecture by Prof. Donna Hope
- Recorded sessions by UWI TV and Jamaica’s Public Broadcasting Corporation, in addition to the UWI Archives’ Media Lab
- A training element, with a Master Class on “Implementing Digital Records Management and Information Governance”, conducted by Mr. John Isaza (a California-based attorney, CEO of Information Governance Solutions, and internationally recognized expert on Information Governance and Social Media Law)

Overall, the Symposium effectively brought together Historians, Archivists, Culturalists, Librarians, Records Managers, Policymakers as well as Information Managers, based locally, regionally and internationally, to facilitate the networking and sharing of ideas related to current trends in archival studies, records management and information governance among key players in the global information community.

Financial Contribution

In January, 2020, the Department contributed the sum of \$100,000.00 to the Faculty of Humanities and Education student support fund.

INTERNATIONAL COLLABORATIONS AND PARTNERSHIPS

Acuril CONFERENCE 2021

The DLIS has been engaged as partner with the Association of Caribbean University, Research and Institutional Libraries (ACURIL) Conference, 2021 which will be hosted in Jamaica, by the Library and Information Association of Jamaica (LIAJA).

DEPARTMENT OF LITERATURES IN ENGLISH

Dr Rachel Moseley-Wood, BA., MA., PhD, (UWI) – Head of Department



WORK OF THE DEPARTMENT

During the period August 1, 2019 to July 31, 2020 members of the Department of Literatures in English worked assiduously to promote the Department's programmes and services through various outreach activities; we submitted proposals for a new BA programme and a new course; AND completed a review of an existing programme. The Department was scheduled for a Quality Assurance Review in March and did significant preparation for the Self-Assessment Review, but this was postponed due to the COVID-19 pandemic.

ACCESS

STUDENTS

Undergraduate:

- LIE Majors (16)
- Liberal Studies Majors (23)
- Film Studies (13)

Postgraduate:

- PhD (3)
- MPhil (7)
- MA (7)

Undergraduate Awards

The Annual FHE Awards Ceremony was held on November 7 at the Neville Hall Lecture Theatre. Students Brittany Atkins, Kodi-Anne Brown, Krista Fuller, Ashley Gayle, Yashika Graham, Georgio Russell and Kandice Thompson were presented with awards. Two new prizes were awarded this year: the Film Studies Prize and Liberal Studies Prize were presented to Jordan-Earl Fisher and Sherece Dixon respectively.

Study Abroad

Justine-Marie Williams, a second year Literatures in English Major, completed a semester at Trent University for Semester 1, 2019/2020 as part of an exchange programme offered under ELAP.

Postgraduate Awards

Mr Kevhaun Bailey, Mr Tohru Nakamura and Ms Alexis Samuels were selected for the 2019/2020 Departmental Awards and provided administrative support in the office. Ms Alexis Samuels submitted her PhD Thesis in January 2020.

PhD candidate Mr Tohru Nakamura, successfully completed the Oral Examination on his thesis: “Responsibility for We Own Self”: Caribbean Ontologies of Relation in the Selected Novels of George Lamming, Wilson Harris and Earl Lovelace” on April 22, 2020 at the Faculty Conference Room. Examiners recommended he be awarded the degree with high commendation.

Mr Cornel Bogle, a First Class Honours graduate of the department, now reading for the PhD at the University of Alberta, won the 2019 Herb Wylie Prize in Canadian Literature, for his essay, “The Spatial Politics of Homosociality in Austin Clarke’s *In This City*”, published in the peer reviewed journal, *Studies in Canadian Literature* 43.1 (2018). The article was developed from a research paper that Mr Bogle submitted for the undergraduate course, West Indian Literature: Special Author Seminar (Austin Clarke), and which, with encouragement from his lecturers, he then presented at the department’s Staff/Postgraduate Seminar Series and later developed as an article for publication.

TEACHING & LEARNING

Writer-in-Residence Programme

The Writer-in-Residence programme is intended to promote and help sustain the department’s creative writing programmes. We welcomed Professor Lorna Goodison as Writer-in-Residence for Semester 1, AY 2019/2020. Professor Goodison is a

renowned and prolific poet and writer of fiction and a former Poet Laureate of Jamaica. She holds an Honorary Degree from The UWI. As Writer-in-Residence, Professor Goodison provided guidance and mentorship for students in the department's creative writing programme and gave guest lectures in a number of literature courses including Creative Writing: Prose Fiction, Women Fiction and Gender and Special Author Seminar. To announce her appointment as Writer-in-Residence, the department hosted an event, "Reading and Conversation with Lorna Goodison", on September 15 in the Neville Hall Lecture Theatre. Professor Goodison gave a stirring reading of a number of her poems and later spoke with Dr Anthea Morrison about her work and the creative process. On November 13 she conducted a special interactive session with students in the Foundation Academic Literacies/Writing courses offered by the Department of Language, Linguistics and Philosophy. During the session she spoke about her journey to become a writer and also engaged students in a discussion on reflective writing. Professor Goodison also conducted a session with CAPE Literatures in English students on December 10. Dr Anthea Morrison again led a conversation with her for this session. On October 14, 2019, Professor Goodison was guest speaker at the Library's October 14 Celebration of Books Reception and Exhibition Launch that recognized authors who had published books in 2019. The title of her talk was "Reflections".

New BA Programme: The BA Writing, Literature and Publishing

A working group consisting of publishing professionals at UWI and chaired by the HOD, was formed to design and plan a new programme, the BA Writing, Literature and Publishing. Members of the committee were UWI Press Director, Dr Joseph Powell, Editor *Caribbean Quarterly*, Dr Kim Robinson-Walcott, Publications Officer, SOE, Ms Heather Munro and ISER Publications Officer, Ms Annie Paul. The multidisciplinary programme draws on existing courses in the department and in media and communication, as well as new courses in publishing, to create a foundation for students interested in working in the publishing industry. The programme has been approved and is slated to be offered in September 2020. The Level 1 course: PUBL1001: The World of Publishing is slated to be offered in Semester 1, 2020.

New Course: LITS3605: Creative Writing Senior Project.

The required Level 3 course for the Creative Writing Minor, LITS3605: Creative Writing Senior Project, was ushered through the approval process by Dr Jennifer Brittan and is now slated to be offered in Semester 1, 2020.

Review of the BA Liberal Studies

A small committee consisting of Rachel Moseley-Wood and Lisa Brown, and led by

Jennifer Brittan, continued the process of the review of the Liberal Studies degree. The review process was protracted due to delays experienced in getting the necessary input and feedback from departments which offer options in the programme. It is expected that recommendations for the revision of the programme will be presented to FAQAC in Semester 1, 2020.

OUTREACH TO STUDENTS

Annual First Year Social

Students registered in the department's Level 1 courses were invited to attend the annual social on September 12 in the Library Multifunctional Room, Main Library. Ms Khadija Lara, Literatures in English graduate and now Senior Media Monitoring Officer, DRT Communications Ltd. gave a presentation to the students to help inspire and encourage them as they start their course of study.

Student Support in Collaboration with GLMF

The Gloria Lyn Memorial Fund (GLMF), a support group initiated and run by Cathy and Marjanne Lyn, the daughters of former Lecturer in the department, Mrs Gloria Lyn, has provided important and greatly appreciated support to the department, specifically in the area of co-curricular activities and support for students. GLMF collaborated with the department to offer a Career skills workshop for LIE Majors on September 7 at the Library Multifunctional Room as part of the department's ongoing efforts to support students through providing career guidance, creating greater awareness of the value of the LIE degree and enhancing students' personal, professional and social development. A second career skills workshop, on Resume Writing, was held (also in collaboration with the GLMF) on January 9, 2020 in FHE OAB Room 02. Ms Tanya Francis, Student Services Manager, Placement and Career Services was the main presenter. On December 12, GLMF also initiated and supported, "Sowing Seeds", an event featuring Lorna Goodison, Writer-in-Residence and showcasing the talent of 11 students and graduates from the department, most of whom had taken creative writing course with the department. Students performed original pieces of poetry, prose and a screenplay.

Ian Randle Publishing Sponsored Writing Workshop

The Department of Literatures in English in partnership with CARIMAC & Ian Randle Publishers hosted a Writing Workshop on March 6 at 2:00 p.m. for Creative Writing and Journalism students, conducted by Mr. Ross Kenneth Urken, journalist and author of the memoir *Another Mother*, published by Ian Randle Publishers.

MARKETING INITIATIVES

With a limited budget on which to conduct marketing activities, the Department seeks to promote its programmes, services and accomplishments of its staff on multiple fronts including the use of social media, the hosting of activities for members of the University Community and the wider public and by offering support for creatives.

Outreach to High Schools

- Members of the department participated in the UWI's outreach programme to high schools: Dr Rachel Moseley-Wood visited Immaculate Conception High School on September 26; Ms Lisa Brown visited St. Andrew High School on October 22. Dr Michael Bucknor visited Wolmer's Boys' School on February 25; graduate student, Mr Kevhaun Bailey visited St Andrew High School on February 20 and Immaculate Conception High School on February 14. The department's flyers and brochures were distributed during these visits.
- On January 21, 2020, Dr Bucknor conducted a CAPE Literatures in English Workshop on "Defending Your Interpretation" at the Western Jamaica Campus in Montego Bay, St James. He also took the opportunity to market the department's and the faculty's programmes.
- The annual CAPE Lecture/Discussion Series on April 3 and April 17 at the Old Library was cancelled due to the COVID-19 pandemic.

Community Outreach & Promotion

The Department has an active community outreach programme and regularly hosts events targeting both the UWI community and the wider public. These activities help to ignite and maintain interest in literature, film and culture, and by so doing help to attract prospective applicants to the department as well as show prospective applicants the societal and professional value of the disciplines taught in the department.

- DLIE hosted the 2019 Jamaica School Poets Tour on November 7 at 6 p.m. at the Library Multifunctional Room. Poets Malachi Smith, Judith Falloon-Reid, Cherry Natural, Wize Wurds, Richie Innocent and Antonia Valaire read from their work. The Tour is coordinated by Malachi Smith and visits schools around Jamaica to perform, create interest in poetry and generate appreciation for literature. Dr Rachel Moseley-Wood attended the official launch of the Tour on November 5 at the Edna Manley College and brought greetings from the department.
- "100 Days of Louise Bennett": The Department joined with the Faculty to celebrate Miss Lou's Centenary with a celebration on October 3 at 2:00 p.m. in

N1. The event featured performances from student groups and a guest appearance by reggae star, Tony Rebel.

- DLIE, with support from the Department of History and Archaeology and CARIMAC, hosted the international premiere of the film, *Fly Me To The Moon* on November 9 at the Faculty of Medical Sciences, Lecture Room 2. *Fly Me To The Moon* is a two-hour documentary directed by independent activist filmmaker, Esther Figueroa, about Jamaica, modernity and the global aluminium industry. A symposium featuring two panel discussions on the aluminium industry in Jamaica followed the screening. Titled, “The Social, Health & Environmental Impacts of the Aluminium Industry in Jamaica,” the first panel featured presentations by Ms Diana McCaulay, environmentalist, writer and founder of Jamaica Environment Trust; Dr Patrece Charles, public and environmental health consultant and Ms Rachel Allen, environmental consultant and climate scientist. Participants on the second panel, “The Political-Economy and Future of the Aluminium Industry In Jamaica,” were Professor Lou-Anne Barclay, Mona School of Business & Management along with Mr Peter Bunting, MP for Central Manchester and Economist, Dr Wesley Hughes.
- The 13th Edward Baugh Distinguished Lecture was held on November 19 at the Philip Sherlock Centre for the Creative Arts. Professor Emeritus Mervyn Morris was the guest presenter and delivered an informative and wide-ranging lecture on the topic, “The Cunny Louise Bennett: Values and Craft.” The lecture was followed by a lively question and answer session; Trio Ambiance also performed.
- At the invitation of the Kingston Creative Artwalk & Market Street, held each month in Downtown Kingston, the Department collaborated with CARIMAC to host a day of film screenings featuring films from the Africa World Documentary Film Festival collection and CARIMAC student productions on Sunday November 24. Dr Rachel Moseley-Wood and Ms Rae-Ann Smith, Coordinator of CARIMAC’s BFA Film programme, spoke at the opening of the screenings and introduced the films. The AWDF collection is currently being catalogued by the UWI Library and will soon be available to users of the library.
- The Department hosted its annual Reggae Talks on January 31 in N1 featuring guest artiste Jah 9. This event was organised and chaired by Dr Isis Semaj-Hall.
- In association with the Department of History and Archaeology, DLIE presented the screening of *The Just and the Blind* at the Library Multifunctional room on February 20.
- On March 1, the Department staged “Love Affair with Literature 9” at the Neville Hall Lecture Theatre. The event featured readings by journalist and memoirist, Ross Urken, fiction writer and environmentalist, Diana McCaulay, dub poets, Mutabaruka and Cherry Natural and writer, Kim Robinson-Walcott.

A tribute to the late Professor Kamau Brathwaite was the focus of the second half of the programme and featured performances by Philip Supersad, Carolyn Allen, Mutabaruka, Julian Rogers, Yashika Graham and Mervyn Morris.

- DLIE collaborated with CARIMAC to host March is Movie Month at Mona: in honour of the late Mr Franklyn “Chappie” St. Juste. Three screenings showing the range and depth of his vision and talent were scheduled, but due to the cancellation of activities due to the COVID-19 crisis only one screening was held. On March 6 *Iceberg*, directed by Rae-ann Smith, *One Patty* directed by Gay Magnus and *The River: Rio Grande*, directed by Mr St Juste were screened. Two screenings, scheduled for March 15 and 20, were postponed including the much-anticipated screening of the Lennie Little-White directed film, *Children of Babylon* (1980). Mr Little-White subsequently made *Children of Babylon* available on YouTube in tribute to Mr St. Juste, who was the film’s Director of Photography and the late, Bob Andy, who played a leading role.
- On March 10, the Department in collaboration with The University of the West Indies Press, hosted the launch of *Show Us as We Are: Place, Nation and Identity in Jamaican Film* by Dr Rachel Moseley-Wood at the Library Multifunctional Room. The launch speaker, Dr Jean Antoine-Dunne, former Senior Lecturer, UWI, St Augustine delivered the launch review in as a pre-recorded message.
- On May 21, the Department’s Reggae Poetry class went international and used Zoom to share a conversation with recording artiste, Jah 9 with listeners around the world. The session was organised and hosted by Reggae Poetry Lecturer, Dr Isis Semaj-Hall and was titled “Decoding A Note to Self: An Academic Listening Session with Jah 9”.
- Two of the department’s graduates contributed to the FHE Gleaner series, Humanities in Action. Ms Courtney Morris wrote an article titled, “My Journey from Literature to Jewellery Making” (published November 3) in which she eloquently wrote about her study of literature and stated: “My degree strengthened my imagination of the world, my exposure, and my perspective regarding my own life.” Ms Morris operates a small jewellery-making business in Black River. Ms Letay Williams’s article “Welcome to Traytown”, was published on February 9 and told the story of how a screenwriting class with Jamaican filmmaker, Storm Saulter, inspired her to write the script for a film and developed into an opportunity to make a short film.
- *The Journal of West Indian Literature (JWIL)* launched a Festschrift in honour of Professor Evelyn O’Callaghan, Editor in Chief, who retired from the UWI, Cave Hill on March 31, 2020. The event was scaled back due to restrictions for COVID-19 but a small audience attended online.

PUBLICATIONS

Books & Monographs

- **Anthea Morrison**, *New Crossings: Caribbean Migration Narratives*. Kingston: The University of the West Indies Press (2019). (208pp).
- **Rachel Moseley-Wood**, *Show Us as We Are: Place, Nation and Identity in Jamaican Film*. Kingston: The University of the West Indies Press (2019). (254pp). [The book was named a finalist in the 2019 Prose Awards in the Media and Cultural Studies category, as well as 2019 Foreword INDIES Finalist in the Popular Culture (Adult Nonfiction) category.]

Book Chapters

- **Dr Norval Edwards** “Women’s Travels and Tales: Mary Seacole”. In *Caribbean Literature in Transition*, Volume 1. Ed by Evelyn O’Callaghan and Timothy Watson. Cambridge University Press, 2020.

Refereed Journal Articles

- **Jennifer Brittan**, “Martin R. Delany’s Speculative Fiction and the Nineteenth-Century Economy of Slave Conspiracy”. *Studies in American Fiction*. 46, 1 (2019): 79–102.
- **Michael Bucknor**, “Criminal Intimacies: Psycho-Sexual Spatialities of Jamaican Transnational Crime in Garfield Ellis ‘Till I’m Laid to Rest’”. *Interventions* 22.1 (2020): 30–48.
 — “Conceptual Residues of Imperialist Ruination: Waste, Weeds and the Poetics of Rubbish in Edward Baugh’s “Black Sand” and Olive Senior’s “Gardening in the Tropics”. *Journal of West Indian Literature* 28.1 (2020): 33–45.
- **Rachel Moseley-Wood**, “The Race to Modernization’: Film Culture in the British West Indies Around the Mid-20th Century”. *Black Camera*, 11, 1 (2019): 214–241.
- **Ryan, Connor**, “A Conversation with Storm Sauter: Caribbean Cinema as Cross-Border Dialogue”. *Black Camera*. 11, 1 (2019): 26–280.
 — “Dark and gritty/slick and glossy: Genre, Nollywood and Lagos”. *Journal of African Cinemas* 11, 3 (2019) 295–313, doi: https://doi.org/10.1386/jac_00022_1

Non-refereed Articles

- **Bucknor, Michael**, “Critical Thinking, Creativity & Competence in Visual Culture.” “Humanities in Action” series. *The Gleaner*, January 19, 2020: <http://jamaica-gleaner.com/article/art-leisure/20200119/critical-thinking-creativity-competence-visual-culture>

ALIGNMENT

INTERNATIONAL COLLABORATION

University of Salzburg

Dr Michael Bucknor visited the University of Salzburg in Austria from December 4–12 as part of an Exchange Programme supported by ERASMUS funds. Scheduled visits by Dr Jennifer Brittan and two postgraduate students, Ms Whitney Eaton and Francina Cousins were postponed due to disruptions caused by COVID-19. University of Salzburg has agreed to accommodate these visits in the 2020–21 academic year.

University of Leicester

The Summer Institute “Global Health and Environments”, a project coming out of collaboration between the UWI and the University of Leicester was planned for June 2020 but was postponed due to disruptions caused by COVID-19. Dr Michael Bucknor and Dr Sonjah Stanley Niaah have been the point persons for the project within the UWI with strong coordinating assistance from the Office of Global Affairs in respect of the signing of the MoA. Both Dr Niaah and Dr Bucknor were scheduled to give presentations at the Summer Institute.

JWIL Issue

The *Journal of West Indian Literature* (JWIL) published the April 2020 Issue (Vol 28, No. 1) as a Festschrift in honour of Professor Evelyn O’Callaghan, Editor in Chief, who retired from the UWI, Cave Hill last year.

Conferences Presentations

- **Dr Michael Bucknor**: “Psycho-Sexual Hinterlands: Criminal Intimacies and Ethical Considerations in Garfield Ellis’ *Till I’m Laid to Rest*” at the 38th Annual West Indian Literature Conference in Georgetown, Guyana, organized by the University of Guyana, October 17–20, 2019 (1–12).

- **Dr Rachel Moseley-Wood:** “Navigating the haunted magical forest of history in New Caribbean Documentary” at the Society for Caribbean Studies 43rd Annual Conference, Preston, UK, July 3–5, 2019 (1–12).
 — What’s New in New Caribbean Cinema?: The Activist Documentary Practice of Esther Figueroa”, at the conference, “Mapping New Caribbean Cinema” in the Dominican Republic, May 25–27, 2020 (1–12).
- **Dr Isis Semaj-Hall:** “Hinterlanding and Shapeshifting: A Guyanese Dub Project” at the 38th Annual West Indian Literature Conference in Georgetown, Guyana, organized by the University of Guyana, October 17–20, 2019 (1–12).

PUBLIC SERVICE

Committee/Board membership

Dr. Norval Edwards

- Review Editor, Northern Caribbean University’s peer-reviewed journal, *International Review of Humanities*
- Member, Advisory Board, *Issues in Critical Investigation*, Vanderbilt University, Nashville, Tennessee.

Dr Michael Bucknor

- Awarded the Gold Musgrave Medal by the Institute of Jamaica in recognition of his contribution to Literature, at the Annual Musgrave Medals Ceremony on Wednesday October 16. He also replied on behalf of the awardees.
- Senior Editor, *Journal of West Indian Literature* (Regional Refereed Publication) (2004–present)
- Editorial Board Member, *Caribbean Quarterly* (Regional Refereed Publication) (2010–present)
- Member, Board of Readers, *Issues in Critical Investigation*, Vanderbilt University, USA. (2010–present)
- Senior Editorial Advisor, *Lucayos*, College of the Bahamas. (Regional Refereed Publication) (2011–present)
- Actor Boy Judge
- Member of the Poet Laureate Committee, National Library of Jamaica
- Member of the Musgrave Medals Selection Sub-Committee – Literature
- Judge, Edward Baugh Prize, sponsored by the Poet Laureate of Jamaica Programme of the National Library of Jamaica.

AGILITY

INCOME GENERATION

Creative Writing Workshop

The Department held a creative writing workshop with Writer-in-Residence, Professor Lorna Goodison as instructor. The workshop ran over four weeks, from October 24 to November 13, with sessions held once per week. Eighteen persons attended the workshop



DEPARTMENT OF MODERN LANGUAGES AND LITERATURES

Dr. Nina Bruni, B.A. Languages and Literatures, *PUCA (Pontificia Universidad Católica Argentina)*, MSc *UNSAM (Universidad Nacional de San Martín, Argentina)*, Ph.D. *UWI*.
– Head of Department

SUMMARY OF THE DMLL PERFORMANCE

The goals of the Department of Modern Languages and Literatures (DMLL) are to progressively be part of programmes within and outside the Faculty of Humanities and Education so that each UWI graduate leaves this institution having pursued either a minor in a Foreign Language or at least a single course; to be impactful in Outreach as it relates to Teaching, Training and Services; and to continue to expand International Cooperation. The benchmarks for success are a consistent increase in the enrolment in Majors and Graduate Programmes offered by the department; periodical curriculum/ programme review for Undergraduate and Graduate courses; and collaboration with the Private Sector through the provision of Services: Education, Translation and Interpretation. The academic advancement of the Department is concomitant with the implementation of administrative policies and practices that all together will support the institution of best practices in teaching foreign languages and their cultures, will facilitate the training and upgrade of students and staff, and will improve the efficiency of the department's educational service on a day-to-day basis.

The academic year 2019–2020 began with a successful Orientation Week for both undergraduate and graduate levels, a moment when the need for creating more audiovisual and web-based components was evident. All matters arisen during the registration period were accurately analyzed and resolved so that Semester II observed a significant decrease in issues related to registration. Two (2) new members of academic staff joined the DMLL at the beginning of the new academic year: Dr. Lei FENG, Chinese Director, Confucius Institute, Mona; and Dr. Bo-kyoung KIM, lecturer in Korean Language. Dr. FENG is a PhD in Translation Studies from the University of Stellenbosch in South Africa and an Associate Professor at Taiyuan University of Technology, China. His research interests include Second Language learning and teaching, writing in and translating into a Second Language. Dr. KIM is

the first lecturer to arrive at Mona Campus through an agreement between the Korean Foundation and The UWI Mona. Her portfolio is to design and coordinate a minor in the Korean Language and Culture. Visiting Professor Dr. Susana Gomez Martínez from the Universidad de Valladolid, Spain, also added great value to the beginning of the new academic year thanks to the ERASMUS+ Mobility Programme.

All Academic activities evolved as described further down in the report. The highlight, however, is the Inaugural Professorial Lecture by Prof. Paulette A. Ramsay entitled: “Columbus in the Academy: Centring More Than Ten Decades of Research in Afro-Hispanic Literatures and Cultures (1867–2019)” on Thursday, 29th November 2019, The UWI Mona, Faculty of Humanities and Education, Neville Hall Lecture Theatre (N1). Some traditional academic and outreach activities of the Department had to be suspended due to COVID-19 outbreak but they are expected to be resumed online during the new academic year. The March–July period has been a stressful one for the obvious reasons of the abrupt changes in our lives and, therefore, university dynamics. The extended 14th April to 14th May 2020 semester when emergency remote teaching was delivered, posed interconnected serious concerns about the quality of teaching and learning, particularly in the field of foreign languages. Accessibility to the online classroom and examination matters became the critical aspects of the delivery process. DMLL members of academic staff (full and part-time) must be highly commended for their professionalism, collaboration, and keen interest in our students. The students’ evaluation report on their performance during Semester II, 2019–2020 maintains the usual high rating that characterizes the Department. Gratitude must be also conveyed to the DMLL administrative staff during this difficult period. All have been the strong pillars for today being able to initiate a new phase stronger and together.

Despite the evident challenges the summer period can be held fruitful. Thirty (30) members of the Department’s academic staff participated and successfully completed the Initiation in Distance Learning, a training course especially offered to the Department under the auspices of the Agence Universitaire de la Francophonie dans la Caraïbe (AUF – Caraïbe) This training of the trainers in the field of Distance Education is the first stage of a six (6) month training/research programme completely funded by the AUF – Caraïbe with expected completion date December 2020.

With regards to teaching over the summer period, an introductory non-credit and tuition-free course to Korean Language was taught online upon students’ request). The regular summer course offering of the department was negatively impacted by the COVID-19 circumstances but the Department conducted a meticulous scrutiny of the students’ needs to guarantee graduation or a smooth transition into the new academic year. Hence, SPAN0101 Beginner’s Spanish and SPAN1000 Intermediate Spanish I were the only two courses taught during Summer School. Both amount for a total of sixty-four (64) students registered for this period.

The M.A in Translation Studies (French and Spanish) celebrates the following four (4) students who timely submitted their Research Paper in fulfilment of the requirements for the Master's Degree in Translation Studies (French and Spanish): Cecille Inez Maye-Hemmings: "Movement, Motion and Power in Caribbean Regional Identity": An Extended Translation; Gabrielle Barkley: Localizing Slang: An Analysis of the Limitations in Translating Culture-Specific French Slang for Caribbean English Translators; Chrisan Blake: Bridging the Cultural Divide: Translation of French Caribbean Literature for an Anglophone Audience; and Ashley Fraser: *Amoricidio*: Extended Translation and Commentary. The DMLL highlights the extraordinary efforts made by both students and their supervisor, Dr. Tamara De Inés Antón, Masters Coordinator, in spite of the hurdles that these extraordinary times presented to them. This achievement sets the standards for the submission of the final Research Paper and graduation that the DMLL intends to maintain for the programme.

By the end of the academic year the DMLL Website fully incorporated a first set of Resources for virtual communication with students: Live Chat, Student Query Form, Credit Check Sheet for Spanish and for French Majors, Graduate Forms, and a Special Admissions Form. It also offers a Help with Online Systems section which includes the following documents: Introduction to OurVLE, Blackboard Collaborate Ultra: Student Guide, Navigating the Blackboard Collaborate Interface, Steps to Reviewing Recorded Lectures in Blackboard Collaborate. A section for Frequently Asked Questions and the COVID-19 Protocols are also available.

The COVID-19 period was a catalyst for collaborative work. Hence, Employee Learning and Growth (AG4), moreover in times of crisis, is always be the foundational enabler for the achievements of the Department. The list of academic/training activities embraced by members of the academic staff is a testimony to the above because those efforts exhibit now tangible results in the overall operations of the department:

- Participation in the World Quality Day 2019 Celebration "71 years of quality: your chance to build and influence UWI". DMLL Booth coordinated by Dr. Tamara de Inés Antón/ Mr. Jhonatan Carmona Tangerife/ Mr. Clifton McCook/Dr. Nina Bruni (HOD). Thursday, 14 November 2019.
- Ms. Grace Perez was scheduled to attend the Doctoral and Teacher Training Translation Studies Summer School (DOTTSS), Bogazici University, Turkey from 21 June to 2 July 2020 but was postponed due to COVID-19 pandemic.
- Dr. LI Kailin and Ms GUO Zhouya participated in the Chinese Plus online live classes and Online training for Chinese teachers in Latin America and the Caribbean. May 2–June 20, 2020. This training includes professional advice about Covid-19 and online teaching experience shared by other Chinese teachers of CI all over the world. It also focuses on Chinese as a second language, improving teaching skills in both face-to-face and online mode.

- Dr. Teresa Villoria-Nolla pursued certification for three (3) Courses Online for Diploma en Español como Lengua Extranjera (DELE) Examiners, Cervantes Institute, University of Albuquerque for DELE examination levels C1/C2, A1/A2, A1/A2-B1E (scholar). 2–20 March 2020, 3–21 February 2020, and 16 December 2019–21 February 2020, respectively.
- Ms. Jennifer Mason is pursuing the Certificate in University Teaching and Learning – CUTL, Assessment in Higher Education, Centre for Excellence in Teaching and Learning (CETL), The UWI Mona. January 2020 and ongoing.
- The following DMLL members of staff attended the UWI Training for Online Delivery – COVID-19 Period on Blackboard Collaborate and Moodle in preparation for continuing the activities of Semester 2 online: Dr. Françoise Cévaër, Ms. Jennifer Mason, Mrs. Rona Barnett-Passard, Ms. Soyini Ashby, Ms. Lillith Barnaby, Mr. Lorenzo Lynch, Ms. Marie-Noel Brunot, Mrs. Cecille Maye-Hemmings, Mr. Leonie Wallace, Dr. Nina Bruni, 18 and 24 March 2020, 8 April 2020.
- Dr. Tamara De Inés Antón attended Coronavirus: A Course. Knowledge Centre for Interpretation. European Commission, 1 May 2020 – Duration 2 hours.
- Dr. Tamara De Inés Antón attended the course Introduction to Blended and Online Teaching, The University of the West Indies, Mona. Centre for Excellence in Teaching and Learning (CETL), The UWI Mona, 17–19 July 2020. Duration: 8 hours.
- Dr. Tamara De Inés Antón attended the W.G Sebald Lecture 2020: David Bellos on The Myths and Mysteries of Literary Translation. British Centre for Literary Translation, 29 June 2020. Duration: 2 hours.
- Dr. Nina Bruni participated in the 1st Telejornadas Difusión [Teaching Online Spanish as Foreign Language], Universidad de Nebrija, Spain, 29 May 2020. Duration: 6 hours. Modality: online and interactive. Certificate acquired: Barcelona, 3rd June 2020.
- Dr. Nina Bruni attended the Workshop on Effective Crisis Communication and Management [COVID-19 Scenario], Arthur Lok Jack Global School of Business, The University of the West Indies, St. Augustine Campus. Facilitator: Alicia Carter-Fisher. Duration: 12 hours. Modality: online and interactive. Certificate acquired. 26–29 May 2020.
- Dr. Nina Bruni attended the “Futuring Webinar” session for all Academic and Administrative Heads of Department. Coordinators and guest speakers, Dr. Maurice D. Smith, University Registrar together with Assistant Registrars, Cheryl Carter and Dave Sahadeo. 15 May 2020. The session focused on sharing techniques and tools needed to plan and prepare for the future, post COVID-19.

- Dr. Françoise Cévaër participated in the Festival International Cinéma et Migrations, Agadir, Morocco, 9–14 December 2019. Dr. Cévaër also attended a master class led by Algerian Director Rachid Bouchareb, 11 December 2019, and participated in a round table entitled “Pourquoi ne pas parler des migrations Sud-Sud?” chaired by Mohammed Charef, 13 December 2019.
- Mrs. Rona Barnett-Passard attended a two-day workshop organized by the *Agence Universitaire de la Francophonie –AUF–* (Agency for strengthening French Language and Culture at the University Level), Dominican Republic, 17–18 October 2019. Within the framework of the *Réseau Caribéen des Acteurs Francophones (RéCAF)* – (Caribbean network of Players involved in the promotion of French language and culture), the workshop focused on the use of ones I-Phone or Smart Phone in the French Class, and looked at activities ranging from everyday contact in French through a WhatsApp group, for conversation and sharing of documents, with students and teachers of a particular class to making short videos in French, using one’s phone.
- Ms. Soyini Ashby attended the Workshop on Seven Research Based Principles for Smart Teaching, 24 October 2019. The workshop focused on Seven Research Based Principles for Smart Teaching from the book *How Learning Works*, including Prior Knowledge; Organization of Knowledge, Students’ Motivation, Integrating and Applying Skills, Practice and Feedback, Developmental Issues, and Metacognitive Skills.

It is within this context that this report presents the accomplishments of the Department, grouped according to the three UWI Triple A strategic goals (Access, Alignment, Agility) and to those strategic objectives associated to them that The UWI Mona is specifically concerned about: AC3, AC4, AL2, AG2, AG4, AG5.

ACCESS

ACCESS is the essential pillar upon which the Department is able to improve its internal operations, with special emphasis in strategic objectives AC3 and AC4, objectives that are entwined with ALIGNMENT (AL2) and AGILITY (AG5, AG3, AG2).

AC3. Teaching, Learning & Student Development: Undergraduate Matters

As per request of the Department of Library and Information Studies, a new course outline for SPAN0101 Beginners’ Spanish for Online Delivery was developed; final interdepartmental review before submitting to FAQAC is needed. Under the agreement between the Korea Foundation and The University of the West Indies, Mona Campus,

two new courses in Korean Language KORE1001 Korean Language 1A and KORE1002 Korean Language 1B were incorporated to the DMLL's course offering. Another step forward in curriculum enhancement is the incorporation of the Liberal Arts Concentration: Mandarin and Japanese in the BA Liberal Studies offered by the Department of Literatures in English. In keeping with this objective, SPAN1012 Spanish for Medical Purposes was scheduled to be jointly offered face-to-face between the DMLL and the Faculty of Medical Sciences during Summer School during the period 1–26 June 2020 in the form of interactive tutorials and practicum at The Hermitage / August Town Health Centre attached to the Department of Community Health and Psychiatry. The COVID-19 pandemic put the project on hold until Semester I, 2020–2021 when the course is being delivered online.

Two new BA programmes aiming at progressively incorporating foreign languages in majors within and outside the Faculty of Humanities and Education are in progress at different levels of completion. In progress of approval at AQAC level is the Multidisciplinary BA in History & International Relations developed by the Department of History and Archeology, with the Department of Government, where a foreign language component gives students the opportunity to develop or learn any of the following foreign languages taught in the DMLL: Chinese, French, Japanese, and Spanish with a total of five (5) compulsory courses in the same language of choice. The research, theoretical, and communication skills emphasized by the programme are reinforced by the learning of a foreign language. Due to unintended delays, the draft proposal for a BA in Tourism and Foreign Languages is still at its preliminary stages within the Department. It is expected to be resumed during academic year 2020-2021.

Career Sensitization activities assumed different ways. Over the period December 2019-January 2020, Japanese students participated in the Translation Competition organized by the Translators and Interpreters Association of Jamaica with the support of the DMLL Translation Programme. Students got the opportunity to try their Japanese skills in a simulated work environment. French Students' Awareness and Sensitization Session held on Thursday, February 13, 2020, gathered a student audience of over forty (40) participants. The session covered the career path in French from preliminary courses up to graduate studies in the area.

Language Club Membership is integral to the holistic development of the students as presented in the Club Reports and Incoming Executive Reports 2020–2021. Through the language and culture of their choice, club members are exposed to a variety of administrative, voluntary and charitable activities that better outlines the profile of the UWI graduate. All Club Advisors must be recognized for their voluntary and steady support to this endeavor. A summary of the Spanish Club report includes the following activities: Sport demonstration of Spanish interpretation; Salsa session; Incorporation of educational games; Spanish-Korean Camp in collaboration with

International Youth Foundation (IYF); Participation in the Club Fusion event through bachata dance performance and selling of Spanish dishes – in collaboration with Angels of Love UWI-UTech; Activities such as Jamaican and Spanish dances, Karaoke, interclub debates of learning Spanish at an early age in Jamaica. COVID-19 frustrated a major fundraising concert in collaboration with Angels of Love UWI-UTech, Ja., (Appendix 8). The French Club held various activities, animated by the executive of the club and their resident Sciences Po Student – games, films, songs, discussions, quizzes. Activities continued until March 2020 and were suspended because of the COVID-19 outbreak. For a few weeks, during the break period, the President sent French movies to club members for viewing during club time. The Japanese Club reported that students met weekly for cultural exchange and to prepare for Japan Day until the COVID-19 outbreak due to which Japan Day was cancelled.

Sox (6) undergraduate students were the 2019–2020 recipients of The Spanish-Jamaican Foundation (SJF) Bursary for Modern Languages. This award with a maximum tenure of one (1) year is available to first, second or third year Jamaican-national students pursuing a BA in Spanish in DMLL and the bursary is of \$50,000 JMD each. The Bridget Jones and William Mailer Trust continues to support the summer course, FREN1199 French Language I. The total funds allocated to these scholarships is of £500 payable in JMD, and they are awarded based on performance and need. Due to the financial crisis triggered by the COVID-19 pandemic, this summer course was undersubscribed and eventually cancelled. The William Mailer Trust agreed unanimously that the £500 sent in June 2020 to be used to support students doing French 1 in Semester 1 of the coming academic year 2020–2021.

2.2) AC3. TEACHING, LEARNING & STUDENT DEVELOPMENT: GRADUATE MATTERS

Ashleigh Baxter, MPhil student in Spanish, was the recipient of the 2020 Mexican Government Scholarship Programme for International Students. Ms. Baxter was expected to conduct research during Semester I, 2020–2021 at El Colegio de Mexico, one of the most prestigious institutions of higher learning and research in Mexico dedicated to the Humanities and Social Sciences since its inception in 1940. This is pending due to COVID-19 pandemic until further notice. Kaezia Mills and Terisa Bernal-Benjamin, MPhil students in Spanish, were recipients of The UWI Graduate Scholarships. Ms. Mills, Ms. Bernal-Benjamin, and Ms. Baxter continue with their pursuit of the Master of Philosophy in Spanish supervised by Prof. Paulette Ramsay, Dr. Teresa Villoria-Nolla, and Dr. Tamara De Inés Antón, respectively.

Janel Polson and Gabrielle Barkley successfully applied for and completed the Remote Internship. Translation offered by the United Nations Regional Centre for Peace, Disarmament and Development in Latin America and the Caribbean (UNLIREC)

from September 2019 to March 2020. Availability of this internship continues to enhance and professionalize the MA in Translation Studies (French and Spanish). During this remote internship, responsibilities included translating, editing and proofreading various documents (reports, press releases, project proposals) from Spanish into English. These documents were submitted electronically to the Political Affairs Officer to be reviewed and uploaded to the UNLIREC website. Subject areas of these documents comprised international peace and security, disarmament, law, organized crime, and small and light weapons in Latin America and the Caribbean

In September 2019, the M.A. in Translation Studies (French and Spanish) implemented the online offering of both foundational courses TRAN6101 Principles and Practices of Translation and TRAN6102 General Translation. This continues to enhance and professionalize the M.A. in Translation Studies. It also allows for registration to open every semester, instead of biannually. The change was successful: five (5) new students registered to the programme at that time. Once students complete these online foundational courses they will be able to join second year students in the face-to-face courses. The revised M.A. in Languages, Literatures and Film Studies (French and Spanish) replaces the old M.A. in Spanish which is being retired. The new programme targets applicants with a knowledge of either Spanish or French, or both. It is very interdisciplinary in nature as it combines not only courses in literatures and film, but also translation, linguistics and education. As such it targets not only Modern Languages and Literatures students interested in further studies in their field, but also graduates of Teachers Colleges and other related institutions, such as Community Colleges, to increase their competences in Spanish and French languages, literatures and film studies. Seven (7) new courses were designed for this programme as follows: SPAN6212 Afro-Central American Literatures and Cultures and SPAN6207: Afro-Latin American Women Writers, Prof. Ramsay; SPAN6714 Urban Spaces and Cultural Practices in Latin American Film and SPAN6302 Cervante's Don Quixote and its legacy in the Americas, Dr. Villoria-Nolla; TRAN6105 Translation for the Cultural and Creative Industries, Dr. De Inés Antón - Course created to be taught both as part of the M.A. in Languages, Literatures and Film and the M.A. in Translation Studies (French and Spanish); FREN6708 Contemporary Francophone Cinema and Literature and FREN6705 The French New Wave in Post-war French Fiction, Theatre and Film, Dr. Cévaër. This M.A. will be presented at the next Board of Graduate Studies and Research for approval.

During the period September 2019 to 3 July 2020, the DMLL held seven (7) Staff/Graduate Seminar Presentations. Three (3) presentations were done by two (2) of our MPhil students: Kaezia Mills, 8 November 2019 and 1 July 2020, respectively; "The City as a Female Character in *Sin Remedio*, *Opio en las nubes* and *Scorpio City*" (online) by Terisa Bernal-Benjamin, 25 June 2020. The Staff/Graduate Seminar Presentation of 14 November 2019 entitled Graduate Students MA in Translation:

“Principles and Practices of Translation: A Critical Review” invited the following four (4) M.A in Translation students, Grace Pérez, Shaneka Green, Timothy Smith, Ashleigh Baxter, to deliver 20 min-presentations in the Staff/Graduate Seminar Series as part of their assessment in TRAN6101 Principles and Practices of Translation. Out of the nine (9) presenters, six (6) are graduate students in the Department. Prof. Lei FENG and Dr. Françoise Cévaër, delivered research papers on the 3 and 10 October 2019, respectively, while Dr. Tamara De Inés Antón presented hers on 20 February 2020. Two (2) seminars were delivered online via Zoom during COVID-19 period.

“Facing the Unexpected: Coping with Covid-19 while Studying/Teaching Abroad” a Virtual Seminar presented by the Department of Modern Languages and Literatures for the Humanities in Action Virtual Seminar Series, Faculty of Humanities and Education, The UWI Mona, streamed live on 9th July 2020 with 495 views and 190 shares. Hosts: Soyini Ashby, French Instructor, and Robinson Alvarado Vargas, Spanish Instructor. Participants: Ariel Blackwood, Teaching Assistant Programme, France; Russel Green, Teaching Assistant Programme, Guadeloupe; Gabrielle Buddoo and Shemar Findley, IR/French Programme – l’Université des Antilles/ Bordeaux Programme; Rolando Caballero, Erasmus+ Programme, Universidad de Valladolid, Spain; Rennique Thomas, English Teaching Programme, Japan. The objective was for current students to share their experience with Covid-19 while being on one of our teaching/studying programmes abroad. The seminar took the form of an informal interview between two of our teachers and the students who participated. Dr. Françoise Cévaër coordinated the seminar.

All of the above attest to the efforts made by the DMLL academic staff to improve the quality of teaching and learning, and hence student development. However the real test of our abilities and resilience began on 12 March 2020 with the suspension of classes for a month in preparation for emergency remote teaching due to the COVID-19 pandemic outbreak. Despite extreme uncertainty and anxieties all members of the Department worked tirelessly and cohesively to successfully undertake training sessions and meet all requirements for the adaptation of courses for online delivery. The period was successfully overcome, and further training on distance learning was effectively completed under the auspices of the Agence Universitaire de la Francophonie dans la Caraïbe (AUF – Caraïbe). This crisis meant a qualitative leap for the Department with regards to remote teaching/learning, administration, and personal interactions. This unprecedented context did not impact negatively neither on the publication record of members of academic staff nor on their academic activities.

2.3) AC3, AC4. Students & Alumni/Stakeholders: International Collaborations and Partnerships (AL2, AG1). Digital transformation (AG5). The suspension of exchange programmes due to COVID-19 led the DMLL to explore virtual modalities for immersion abroad and international classroom collaboration contribute. With regards to the latter some pilot experiences took place during last academic year (eg.

Translation Studies, level 3 Spanish Language) but planning is needed for a more structural incorporation in the programmes.

At the beginning of the academic year under review, the DMLL welcomed Dr. Susana Gomez Martínez, Visiting Professor ERASMUS+ Mobility Programme, Universidad de Valladolid, Spain, for the period 20–29 September 2019. Dr. Gómez Martínez, Head of the English Department at the Universidad de Valladolid, Soria Campus, Spain, is an experienced academic in the fields of Spanish and English as Foreign Languages as well as Translation Studies. Her visit aimed at collegial and interdisciplinary exchange through visits to Spanish Language and Literature classes from Levels I through to Levels III and at the Post Graduate Level. She also delivered a Seminar entitled “Opportunities for UWI Students, Teachers and Staff @ UVA (SPAIN)”, Mona, on the 27th September 2019, coordinated by Dr. Françoise Cevaër (Appendix 2). Althea Gordon, Senior Assistant Registrar -International Students Office, Nina Bruni, Head of Department, and DMLL Administrative Staff, coordinated the overall visit.

Students Application for ERASMUS+ Mobility Programme, Universidad de Valladolid, Spain took place from February to March 2020. The internal application process of all 10 students was successful but all submissions for the mobility programme in Semester I, 2020–20201 were suspended due to the COVID-19 Pandemic. The application process was reopened in June 2020 and three (3) students have successfully registered.

The Teaching Assistants in France Programme France Education International (CIEP) is open to students who have completed their tertiary education and have a B1 level of French. It is organized by the French Ministry of Education and coordinated (application and interviews, oversight throughout the process while there) for Jamaica & the Bahamas by Rona Barnett-Passard since 2018 to present. Each year, over thirty young Jamaican and Bahamian students, including recent UWI graduates enjoy the opportunity to be teaching assistants in France while being immersed in the language and culture of the country, thereby improving their French. Many go on to pursue Master’s degrees there. This year, due to COVID-19 conditions, they were unable to return home at the end of April, as is customary. Fortnightly ZOOM meetings were organized by Mrs. Passard to support the assistants and seek solutions for their return. These meetings were attended by the Jamaican Ambassador to Brussels, the CIEP representative, Jamaican Adult Advisors living in France, and the assistants. They returned home Covid-free on June 28, along with many others, via charter organized by the Jamaican Government and the Embassy of Jamaica in Brussels. The new cohort is slated to leave in September 2020.

The Exchange Programme with Dokkyo University Japan under the agreement with The UWI Mona, continuous active. Two (2) students were accepted as exchange

students at Dokkyo University, Japan. Start date of August 2020 was postponed to January 2021 due to COVID-19.

Prof. Lei FENG is part of an ambitious project with aiming to record and document all major languages of over a million speakers in the world. Presently, Professor FENG collaborates with Beijing Language University in a project investigating characteristics of Jamaican English and Jamaica's language policy.

The project Development Support Distance Learning Courses in Caribbean Universities under the auspices of the Agence Universitaire de la Francophonie dans la Caraïbe (AUF – Caraïbe) and with the DMLL marks a step forward in international collaboration (AL2), training and research (AC3, AC4) aligned with the process of digital transformation of The UWI (AG5).

2.4) AC4. RESEARCH, INNOVATION & PUBLICATION

Chapters in Books

- Erick Mendoza Barroso, **Paulette A. Ramsay** and Haydée Cachimaille Duvergel “El ejercicio de la lectura en la construcción del universo sociocomunitario de los infantes de la provincia Guantánamo.” In *Pensar las infancias cubanas*. Ed. By Annette Jiménez Marata and Yeisa Sarduy Herrera. Instituto Cubano de Investigación Cultural Juan Marinello. 2019. 91–103.

Refereed Journal Articles

- **Barnett, Nadine** and **Anthonesha Henry**. “Foreign Language Acquisition: The Teaching/Learning of Spanish in the Jamaican Context.” *The UWI Quality Education Forum* 24 (2020): 197–214.
- **Cévaër, Françoise**. “Gary Victor: Profile of a Writer for the People” *Intertexts a Journal of Comparative and Theoretical Reflection*, Nebraska University Press, Volume 22, Issues 1–2, Spring-Fall 2018, pp. 55–92. [Journal came out in 2019]
- **De Inés Antón, Tamara**. “The Significance of Translation Literacy in the Higher Education Classroom.” *The UWI Quality Education Forum* 24 (2020): 174–196.
- **Martínez Moreno, Ossain C.** “The Teaching of Spanish and the Use of Information and Communication Technologies (ICT) in Jamaica.” *The UWI Quality Education Forum* 24 (2020): 236–259.
- **Villoria-Nolla, Teresa**. “Academic Literacies in Foreign Language Acquisition: Challenges, Strategies and Practices.” *The UWI Quality Education Forum* 24 (2020): 215–235.
- **Villoria-Nolla, Teresa**. “Working towards Learning Autonomy: Shifting roles and

learning by doing at the UWI”. CJE, *Caribbean Journal of Education* 41, 2 (2020): 66–83.

- **Creative Writing.** *This Thing That is Not a Thing, Poems* by Paulette A. Ramsay. Kingston: The UWI Press, 2020.
- The **Translation of Chinese Poetry and Proverbs** is a translation project led by Prof FENG Lei to publish daily on Tencent WeChat platform (officially certified) translations of Chinese poetry and proverbs. Three Chinese instructors and ten local Jamaican teachers and students are in the team of more than one hundred people all over the world.

2.5) **Public service.** At the invitation of the Core Curriculum Unit- CCU, The Ministry of Education, Youth and Information (MOEYI): 2.5.1) Dr. Nadine Barnett and Dr. Nina Bruni are members of the MOEYI Steering Committee for the Development of Concept Paper for the National Foreign Languages Policy since September 2019. The first stage of the activity was fulfilled by the 28th March 2020; 2.5.2) Dr. Teresa Villoria-Nolla and Dr. Tamara De Inés Antón, delivered a series of CSEC Spanish Oral Examinations Workshops during the period 23rd June–10th July 2020. Dr. Villoria-Nolla and Dr. De Inés Antón jointly conducted this workshops with Michael Bartley, Teacher at Central School, Maypen, and with Jerrish Doyley, Teacher at Claude McKay High, Clarendon, respectively.

ALIGNMENT (AL1, AL2).

3.1 PAPERS PRESENTED AT CONFERENCES AND SEMINARS:

- **Cévaër, Françoise.** “Esthétique(s) littéraire(s) d’une poétisation de l’échec dans Parabole du failli de Lyonel Trouillot”. International Conference “La littérature haïtienne dans la Caraïbe: poétiques, politique, intertextualité”, Université Paris 8. 28–29 November 2019. 9 pages.
- **Cévaër, Françoise.** “Topographies de l’imaginaire dans la Parabole du failli de Lyonel Trouillot: de l’Imaginaire du Tout-Monde à Tous les Mondes de l’Imaginaire”. Haitian Studies Association Annual Conference, Gainesville Florida, 17–19 October 2019. 9 pages.
- **De Inés Antón, Tamara.** “Anthologies in Translation and the Gatekeepers of World Literature.” DMLL Staff/Graduate Seminar, 20 February 2020.
- **De Inés Antón, Tamara.** “Professionalising Literary Translation Education”. International Symposium on Literary Translation: Literary translation, Platform of Interculturality, Havana, Cuba, 26–27 November 2019.

- **Feng, Lei.** “Translating Cultural Items into a Second Language: the Gains and Losses.” DMLL Staff/Graduate Seminar, 3 October 2019.
- **Françoise Cévaër.** “Failure in Writing and the Failure of Writing’ In Haitian Writer Lyonel Trouillot’s Works.” DMLL Staff/Graduate Seminar, 10 October 2019. 12 pages.
- **Villoria-Nolla, Teresa.** “La narcoestética y Netflix. I Congreso Internacional narcomodernidad desde el sur: Textualidades de la violencia.” Universidad Católica de Chile, Chile, 13 June 2020. [Postponed due to COVID – Virtually presented on 7 October 2020].
- **Villoria-Nolla, Teresa.** “Liberating the ghosts; the uncanny in Spanish Cinema”. The Uncanny in Language, Literature and Culture, International Conference, London, UK, 17 August 2019.
- **Prof. Paulette Ramsay** delivered a lecture entitled “Research on Afro-Mexican History and Culture”. Delta State University, USA, 18 October 2019.
- **Nina Bruni** was guest speaker to “Enseñanza de la Novela”. Series Diálogo Académico Online, coordinated by Dr. Ibeth Guzmán, Coordinator, Universidad Autónoma de Santo Domingo, Dominican Republic. Thursday, 7th May 2020.

3.2 Outreach Activities. Even the simplest undertakings outside the The UWI Mona Campus become a unique opportunity to foster academic/industry partnerships that through teaching and research promotes a UWI consciousness of service and generates financial income.

The Victoria Mutual Building Society (VMBS)’ Award Ceremony for Beginners’ Business Spanish (April–June, 2019) and Beginners’ Business French (October–November 2019) constitutes an excellent example. The delivery of certificates and the cultural items presented for the event were successful. Dr. Bruni delivered introductory words on the importance of foreign languages for improving the business operations of a company, and on the relevance of partnering with the business sector. Overall the issue of Humanism and Business was the core idea of the presentation. The presentation was highly appreciated by the VMBS’s Management Team and employees/students attending the ceremony, which took place in the VMBS’s Conference Auditorium on 19th December 2019. Ms Priscila McClure, French Instructor, also participated and coordinated cultural items with the students for the occasion, while Mr. Jhonatan Carmona Tangarife, Spanish Instructor, conveyed his greeting and support online from Colombia. Ms. Karen Clarke, Senior Administrative Assistant (Acting) coordinated the event with Ms. Tanya Wilson, Assistant Manager – VMBS Group, Human Resources.

Anthonesha Henry, Department Representative on the FHE Marketing and Outreach Committee, attended the 11th Foreign Language Conference and Annual General

Meeting: “Exploring a Kaleidoscope of Best Practices in the Teaching and Learning of Foreign Languages and Literatures”, Core Curriculum Unit-CCU, The Ministry of Education, Youth and Information (MOEYI), Thursday, 6th February 2020. The DMLL was advertised in the Meeting’s Booklet.

The article “Spanish – A Language of Inclusion” by Dr. Teresa Villoria-Nolla, is another DMLL contribution as part of its outreach activities in the Gleaner Newspaper Series by The Faculty of Humanities and Education, The UWI, Mona that seeks to promote and highlight the impact of the Arts and Humanities on the individual’s personal development and career path. Sunday, 1st December 2019.

AGILITY (AG4, AG5, AG2), ALIGNMENT (AL2), AND ACCESSIBILITY (AC3, AC4)

4.1 Computer-Assisted Translation tools will enable The UWI to match international standards and produce graduates who are ready to access the translation market as highly prepared professionals. The purchase of a handful licenses of the software SDL TRADOS Studio are critical to the MA in Translation Studies (French and Spanish) and of high pedagogical/research importance for the students pursuing translation courses in French and Spanish at undergraduate level. This tool will also enhance the output of the Translation Services that the Department offers to the wider community. All necessary steps to acquire SDL TRADOS Studio have been taken but the current COVID-19 Pandemic put the process on hold. This task is expected to be completed in a shorter term through the use of research funding and grants to acquire these licenses while promoting a collective research project among students and lecturers.

The DMLL project Development Support Distance Learning Courses in Caribbean Universities submitted at the end of May 2020 to the Agence Universitaire de la Francophonie dans la Caraïbe (AUF – Caraïbe), was selected for technical support from the AUF. This six (6) month training/ research programme will academically and financially assist with 1) the enhancement of our digital skills in and platforms for teaching and learning practices; 2) the technical support for the configuration of distance training, MOODLE type, for hosting distance courses. This component will include the installation, configuration and hosting of the platform; 3) the training of trainers in the field of Distance Education; 4) the development of adapted educational content, remote or blended format.

The Initiation in Distance Learning, a training course especially offered to its academic staff under the auspices of the AUF – Caraïbe, was successfully completed. This course was designed and delivered by Dr. Katerina Zouru, researcher and head of Web2Learn, an e-learning services company in Greece. Based on a mix of synchronous

group video conferences and asynchronous learning resources, the course took place from the 20th July to 10th August 2020. The Universidad Central de Las Villas, in Cuba, joined The UWI team. This training of the trainers in the field of Distance Education is the first stage of this six (6) month training/ research programme completely funded by the AUF – Caraïbe. The next step is to give evidence of adapted educational content to remote teaching during the current semester. The project findings must be submitted to the AUF by December 2020. The technical support for the configuration of distance training and hosting distance courses is the second stage of this project to be achieved during academic year 2020–2021.

4.2 The following Income Generated Activities (AG3) are essential contributors to the finances of the Department that also promote increasingly stronger ties with the private sector of Jamaica (AL2).

Foreign Language Training Services. The Victoria Mutual Building Society. Beginners' Business French – First Edition from October to November 2019. Sixty (60) employees of The Victoria Mutual Building Society (VMBS) in Kingston participated in this course, which covered a total of 42 contact hours distributed over six (6) contact hours per week for three groups of twenty (20) learners each. It was held in the VMBS premises in Kingston. Under similar arrangements, the second edition for Beginners' Business Spanish was delivered during the period 4th February to 19th March 2020.

The DMLL offers professional translation and interpreting services through a pool of highly qualified and experienced professionals. The services provided are mostly from any of the foreign languages taught in the department into English. Should other languages be required, the department will outsource for the pertinent professional. The request for translation and interpreting services dropped during the period March–July 2020 due to the COVID-19 pandemic. Remote interpreting has and is being explored as a possibility to expand the interpreting services.

4.3 The COVID-19 period also pushed the DMLL to make a qualitative leap in its Internal Administrative Processes to support students and academics. As mentioned earlier, the upgrade of the DMLL Web Resources for virtual communications and the acquisition of a DMLL Whatsapp number constitute achievements but it also does reassignment of portfolios among member of administrative staff.

4.3.1 Training of Academic and Administrative Members of Staff in the use of OURVLE, ZOOM and other applications. On his own initiative, Clifton McCook, organized and provided invaluable IT support to the department during of month of transforming and preparing for distance learning (March 2020). He showed great patience, diligence and expertise in this area and a willingness to go beyond the call of his job description on many urgent and crucial occasions. During the same period and onwards, Clifton McCook Increased IT assistance to academic staff by providing

support for and through video conferencing, AnyDesk, TeamViewer, Microsoft Teams.

4.3.2 Increased interaction on Social Media accounts is an ongoing task in the care of Clifton McCook and Chantal Sinclair since March 2020.

4.3.3 Creation of a Live Chat. The training of staff and the operation of our live chat platform has been successfully completed with the chat being manned by Chantal Sinclair primarily. Training was received from Mona Information technology Services (MITS) on May 18, 2020. In attendance were Rhochell Curtis, Chantal Sinclair, and Clifton McCook.

4.3.4 Frequently Asked Questions (FAQs). Rhochell Curtis, Chantal Sinclair, and Clifton McCook loaded our Frequently Asked Questions (FAQs) to the department's website in May 2020. It is operational and its development is on-going.



SCHOOL OF EDUCATION

Dr. Marcia Rainford, BA., MA., PhD, (UWI) – Director

OVERVIEW

The School of Education (SOE) welcomed a new Director, Dr Marcia Rainford on August 1, 2019. During the 2019–2020 academic year, the School continued along a path of repositioning towards: ensuring sustainability in programme development and delivery, strengthening the impact of research on policy and practice and enhancing the teaching learning experience of students. Guided by the UWI *Triple A Strategy* and recommendations arising from the Quality Assurance Review exercise undertaken in 2018, the School therefore focused on teaching, learning and student development, curriculum development, blended and online delivery of courses, as well as research and publications. The impact of COVID-19 curtailed some activities but led to a widespread use of technology in carrying out routine activities and facilitating teaching and learning.

The three pillars of the *UWI Triple A Strategy* form the primary headings of the report while the key focus areas undertaken by the School in 2019 form the sub-headings.

ACCESS

STUDENTS

Teaching, Learning and Student Development: Undergraduate Matters

Approximately sixty two (62) new students were registered in the B.Ed. face to face programmes. Six (6) specializations in areas of Mathematics, English Language, Literacy Studies, Social Studies /Geography, Science and Information Technology Education were offered.

The School of Education participated in the awards ceremony hosted by the Office of the Dean in the Faculty of Humanities and Education, on Thursday, November 7,

2019. More than 13 students received awards based on their high levels of achievement in the various programme specializations.

The transition to online teaching and learning in Semester 2, was fairly smooth. All students who requested assistance with gaining access to tablets that were being loaned to them through The UWI Library, received tablets and were able to access their online learning spaces using the devices provided. At a Student Liaison, meeting held on May 13, 2020, the main challenges reported by the student representatives were related to assessment and Wi-Fi connectivity.

Teaching, Learning and Student Development: Postgraduate Matters

The School of Education offers both face to face and online graduate programmes. The number of students enrolled in graduate programmes continue to be very good when taken as a whole. Approximately 52 students were registered in the MPhil and PhD programmes. Additionally, Table 1 shows the number of students registered in the face to face and blended MA and MEd programmes for 2019–2020.

Table 1: Graduate Programme Registration

PROGRAMME	YEAR 1	YEAR 2
MED / MA (Face-to-Face)	234	184
MEd (Blended and Online)	33	33
MAT (Face-to-Face)	37	19
MAT Part 1 (Blended and Online)	44	NA
Totals	348	236

In Semester I, we grappled with scheduling the relatively large number of courses offered each afternoon in finite classroom spaces and late arrival of students in some cases, while in Semester II, the challenges were technological, for example, not enough ZOOM licenses to accommodate all classes, or Blackboard Collaborate not functioning effectively in some locations within Jamaica. There was also the opportunity for enhanced student learning during Semester II with the onset of COVID-19 because students did not have to do distance travel to get to The UWI, nor did they have to compete with time issue matters that they had to contend with in Semester I.

The MPhil / PhD seminars for Semester 1 were held from December 4 to 6, 2019. Five presentations were done by academic staff to support the MPhil / PhD students.

These are described below.

- “*Structure & Purpose of the Literature Review in a Research Study*” (Dr. Vivette Milson- Whyte)
- “*Structure & Purpose of a Conceptual Framework in a Research Study*” (Dr. Carol Hordatt Gentles)
- “*Education for Sustainable Development*” (Members of the ESD Working Group)
- “*Use of EndNote in Academic Writing*” (Ms. Jessica Lewis)
- “*Mixed Methods in Designing a Research Study*” (Dr. Loraine Cook)

Seven (7) MPhil / PhD students made presentations on their research and benefitted tremendously from peer and staff engagement and feedback. Representatives from two Teacher Colleges – St. Joseph’s and Shortwood also attended.

Semester II Graduate Seminars were held online using ZOOM, on July 16 and July 17, 2020. This was very well supported by staff and students. Twelve (12) students made presentations on aspects of their research. In addition, Dr. Aldrin Sweeney and Dr. Schontal Moore conducted a seminar on July 17th to provide additional administrative support for students. The title of the session was – “*What to Expect as you Progress as a Postgraduate Student*”.

Two PhD students successfully defended their PhD theses in 2019–20.

- Carol Blanchard. Thesis Title – *A Comparative Analysis of Selection and Analysis of Structured Interviews and Assessment Centre Approaches for Teacher Selection: A Preparatory School Model*. Supervisor **Prof. Disraeli Hutton**. June 10, 2019.
- Uchenna Odimgbe. Thesis Title – *Effects of Computer Assisted Instruction and Teacher Content Knowledge on Selected Jamaican Sixth Formers’ Understanding of Chemical Equilibrium*. Supervisor **Dr. Marcia Rainford**. June 30, 2020.

Dr Carol Hordatt-Gentles led a group of five of her M.Phil./Doctoral, current and past students to **The Qualitative Research Conference (TQR)** held in Fort Lauderdale, Florida in January 2020. They co-presented a paper on “*Teaching and Learning Qualitative Research in a Jamaican Graduate Programme*”. The presenters were: Dr Carol Hordatt Gentles, Mrs Denise Stoney James, Mrs Cynthia Allen Pearson, Mr Joseph McKenzie, Mr Dunstan Newman and Dr Tashane Haynes-Brown.

The Association of Graduate Researchers in Education (AGRE) under the guidance of Dr Carmel Roofe-Bowen, academic advisor, Mr. Keriffe Clark as president, Miss Vestina Oates, vice president, Miss Shanique Walker-Carty and Mr Trevis Morgan as treasurer continued its effort to enhance the capacity of current and past graduate students in the School of Education to conduct and publish research. To this end the following activities were undertaken.

- Inaugural Research Conference on Wednesday November 27, 2019 at The University of the West Indies, Mona under the theme “Preparing Global Citizens: 21st Century Best Practices in Education”. Of the seventeen presentations, eight were from AGRE members with six other members being moderators.
- One AGRE member was mentored towards publication of research paper. The paper is titled *The Use of Language Awareness Strategies in the Teaching of Foreign Languages to Creole Speaking Students*. The paper was published in the journal of Research in Educational Administration and Leadership 4 (2019): 624–656.
- Two AGRE members were mentored to publish articles in local newspapers – Gaye-Leon Williams, *Use Creole to teach foreign languages*, published Tuesday, October 1, 2019 in The Gleaner; Keriffe Clark, *Teaching: The past, present and future*, published Tuesday, October 01, 2019 in *Jamaica Observer*.

CURRICULUM DEVELOPMENT

The SOE made significant strides in curriculum development and monitoring. As a direct response to the recommendations from the 2018 Qualitative Assurance review, the SOE established an Academic Quality Assurance Committee for Undergraduate and Post Graduate programmes. The committee is chaired by Snr. Lecturer in Curriculum and Instruction, Dr. Carmel Roofe-Bowen and was initiated to strengthen the internal structures of the SOE for course and programme development. The committee is now in the process of reviewing the B.Ed. undergraduate programme having spearheaded the review of the graduate research methods courses.

Two Masters programmes were offered for the first time in the 2019–20 AY and a third, was granted approval for delivery in 2020–21. The M. Ed. Inclusive and Special Education developed by Dr. Joan Spencer-Ernandez in collaboration with colleagues from the SOE – Cave Hill and St. Augustine, was offered in Semester 1. The programme was offered by online and blended delivery in September 1, 2020 to thirty-six (36) students from Belize who are sponsored by the government of Belize. The M. Ed. Education for Sustainable Development, Global Citizenship and Peace, was taught via the face-to-face modality. The programme developer and coordinator is Dr. Therese Ferguson-Murray.

The third programme, M. Ed. Leadership and Management, will replace the M. Ed. Educational Administration programme. It will be offered via both face to face and online modalities. Dr. Canute Thompson, Snr. Lecturer in Educational Policy, Planning and Leadership led the development of this programme and also serves as the Programme Coordinator. Dr. Thompson led in developing the Doctorate in Education which is now almost ready for submission to the Faculty’s Quality Assurance procedures.

Blended and Online Course Delivery

In response to the COVID-19 pandemic it became necessary to deliver all courses online, when classes resumed on April 14. The School of Education hosted an SOE Online Teaching Workshop on Monday, March 16 to Wednesday, March 18, 2020, to assist staff with using the OURVLE platform, utilizing online tools for learning and assessment, sharing best practices, setting up OURVLE containers, understanding online communication, and navigating the online teaching space. The workshop was well attended by most adjunct and full-time members of staff. Dr. Schontal Moore conducted the workshop. By April 14, 85% of lecturers were able to demonstrate a high level of online readiness for the delivery of their courses for Semester 2, 2020. Ms. Tanique Copeland a past student and assistant lecturer in Computer Science/IT in the School, provided technical support and assistance for all members of the Undergraduate teaching staff who requested support after the workshops.

PUBLICATIONS

A total of sixteen peer-reviewed articles in local and international journals, three books, two refereed book chapters, one technical report and one monograph were produced by staff in the School.

Peer-Reviewed Journals

- Cook, L., Moore, S., Haynes-Brown, T., McCalla, R., Thwaites, K., Weaver, L., Williams-McBean, C., Weaver, S., & McCarthy-Curvin, A (2019). A methodological review of mixed methods research studies from selected journals in the Caribbean. *International Journal of Multiple Research Approaches*, 11(3), 277–297.
- Coy, A., James-Williamson, S., Bramwell-Lalor, S., Sadler-McKnight, N., McLean, N., Penugonda, V. R., & Rainford, M. (2019). A Review of a Tertiary Level Institution's Initiative for Enhancing Education in STEM at the Secondary School Level. *Journal of Education and Development in the Caribbean; Special Issue – STEM Education in the Caribbean: Challenges, Goals, and Possibilities*, 18(1), 132–182.
- Escayg, K. A., & Kinkead-Clark, Z. (2019). Promoting a positive racial identity in young African Caribbean children: An anti-colonial approach. *Journal of Curriculum, Teaching, Learning and Leadership in Education* 4(2), 29–36.
- Ferguson, T., & Gordon, T. (2019). 'Miss, this is a lot of work': Exploring part-time students' experiences of qualitative research. *The Qualitative Report*, 24(11), 2708–2721.
- Hardacre, C., & Kinkead-Clark, Z. (2019). Authentic family learning: Exploring

- the purpose of intergenerational education initiatives in Jamaica and England through cross-cultural conversation. *Journal of Childhood Studies* 44(5), 85–102.
- **Ison, M., Kinkead-Clark, Z. & Berry, C.** (2019). Reconceptualizing and infusing STEM in the early childhood Jamaican classrooms. *The Journal of Education and Development in the Caribbean* 18 (1) 1–20.
 - **Kinkead-Clark, Z.** (2019a). Social violence and the young child: how do teachers respond to the needs of children from adverse environments? A Jamaican and Belizean case study. *Early Child Development and Care*. DOI: 10.1080/03004430.2019.1622537.
 - **Kinkead-Clark, Z.** (2019b). Exploring children's play in early years learning environments: How do the beliefs of teachers' inform children's play? *Journal of Early Childhood*, 17 (3), 177–189. DOI. 10.1177/1476718X19849251.
 - **Kinkead-Clark, Z.** (2019c). INSIGHTS in Jamaica: Using temperament based approaches to negotiate the terrains of crisis in Jamaican early years classrooms. *Journal of Early Childhood Teacher Education*, 209–222. DOI: 10.1080/10901027.2019.1609142.
 - **Kinkead-Clark, Z.** (2019d). Using socio-cultural lens to explore adult-child interactions in Jamaica's childcare settings. *International Journal of Early Years Education*, 28(1), 36-49. DOI:10.1080/09669760.2019.1685469.
 - **Kinkead-Clark, Z., Burns, S., & Abdul-Majied, S.** (2019). Actualising children's rights through early childhood education and care: A focus on the Caribbean. *Journal of Early Childhood Research*, 18(1), 58-72. DOI: 10.1177/1476718X19875765.
 - **Kinkead-Clark, Z., & Escayg, K.** (2019). Getting it right from the start: A retrospective and current examination of infant and toddler care in Jamaica. Occasional Paper Series, 2019 (42). Retrieved from <https://educate.bankstreet.edu/occasional-paper-series/vol2019/iss42/9>.
 - **Kinkead-Clark, Z. & Hardacre, C.** (2019). Unpacking the mechanisms shaping perceptions of quality as illuminated by cross cultural conversations between early years educators from Britain and Jamaica. *Journal of Childhood Studies*. DOI: 10.18357/jcs444201919208
 - **Roofe, C.** (2019). Curriculum policy and practice in Jamaican primary schools: An analysis of school leaders' and teachers' experiences. *Caribbean Journal of Education*, 41 (2).
 - **Thomas, J. & Bramwell-Lalor, S.** (2019). The Relationship Between Grade 9 Students' Attitudes to STEM and Their Achievement in Integrated Science. *Journal of Education and Development in the Caribbean*; Special Issue – STEM Education in the Caribbean: Challenges, Goals, and Possibilities, 18(1), 73–102.

- **Williams-McBean, C.** (2019). The Value of a Qualitative Pilot Study in a Multi-Phase Mixed Methods Research. *The Qualitative Report* 24 (5), 1055-1064.

Books

- **Blair, E., Rooft, C., & Timmins, S.** (2020). *A cross-cultural consideration of teacher leaders' narratives of power, agency and school culture: England, Jamaica and the United States*. Main, USA, Myers Education Press.
- **Feraria, P.** (2019). *English Language teaching in a post method paradigm*. Hershey: Pennsylvania. ISBN13: 9781522592280 / ISBN101522592288/ DOI4018/978-15225-9228-0.
- **Thompson, C. S.** (2019c). *Reimagining educational leadership in the Caribbean*. Introduction by Errol Miller. Kingston: The University of the West Indies Press.

Peer-Reviewed Book Chapters

- **Ferguson, T.** (2019). Reflection, dialogue, and transformation through participatory action research: Experiences of Jamaica's Change from Within programme. In S. Stewart (ed.) *Decolonizing qualitative approaches for and by the Caribbean* (pp. 139–158). Charlotte, NC: Information Age Publishing.
- **Ferguson, T.** (2019). Addressing anti-social behaviour and violence as barriers to learning: Lessons from Jamaica's Change from Within programme. In S. Blackman, D. Conrad, & L. Brown (eds.). *Achieving inclusive education in the Caribbean and beyond: From philosophy to praxis* (pp. 133–144). Cham, Switzerland: Springer.
- **Gentles, C., & Davis-Morrison, V.** (2020) Inclusion of LGBTQ Students in Jamaican Teacher Education. In M. Anderson & E MacLeod (Eds), *Beyond Homophobia: Centring LGBTQ Experiences in the Anglophone Caribbean*. (pp 268) UWI Press.

Non-Peer-Reviewed Monographs and Technical Reports

- **Thompson, C.S., Prescod, G., & Montgomery A.** (2020). *Whither the relationship between philosophy and policy: Exploring perspectives of Jamaican Ministers of Education*. Kingston: Arawak Publications. Available at https://www.amazon.com/s?k=an+exploration+of+the+philosophical+assumptions+that+inform+educational+policy+in+jamaica&i=digital-text&ref=nb_sb_noss.
- **Williams-McBean, C.** (2020, February). Report from the Technical Advisory Committee. Chairman's Overview presented at the 74th Meeting of the Final Awards Committee, The Caribbean Examination Council, St. Michael, Barbados.

ALIGNMENT

INNOVATION, RESEARCH AND PUBLICATION

Several steps were taken to improve the research output of the School, to target national and regional issues, build capacity among staff and work collaboratively with the colleagues from Teacher Training Colleges where possible. Led by Dr. Carol Hordatt-Gentles, a team of researchers from the School including – Dr Tashane Haynes-Brown, Dr Sharline Cole, Dr Schontal Moore and Dr Yewande Lewis Fokum, conceptualized a research project on “*Supporting Jamaican teachers through COVID-19*”. The project has received ethics approval and a pilot study has been conducted. This is a mixed methods study that will survey 500 teachers and interview four focus groups of thirty-six teachers across Jamaica.

Dr Carmel Roofoe-Bowen collaborated with colleagues in the Education for Sustainable Development (ESD) working group – Dr Carol Hordatt-Gentles, Dr Sharon Bramwell-Lalor, Dr Loraine Cook, Dr Aldrin Sweeney, Dr Canute Thompson and Dr Everton Cummings to conduct research focusing on the infusion of ESD in the teaching at the graduate level. A paper entitled “*Infusing education for sustainable development into curricula: Teacher educators’ experiences within the School of Education at The University of the West Indies, Jamaica*” was accepted for publication in W. Leal Filho, A. Salvia, & F. Frankenberger (Eds.) *Teaching and sustainable development: Using the transformative power of teaching to raise awareness on sustainable development and achieve the UN Sustainable Development Goals*.

On March 12, The Caribbean Association for the Advancement of Curriculum Studies (CAACS) Virtual Conference was held. The theme was “*Caribbean Curriculum Making: Reflecting on the past; shaping the future*” and the Dr. Carmel Roofoe-Bowen served as Conference Chair.

The conference highlighted:

- A conversation with Prof. Emerita Zellynne Jennings-Craig led by Dr. Carol Gentles as interviewer. The topic for the conversation was “*Pioneers of Caribbean Curriculum Making*”.
- A paper presented by Prof. Hazel Carter, visiting professor in the School of Education from The City College of New York entitled: “*Developing curriculum with a longitudinal view of the educational process: School and college faculty involved in curriculum development.*”

In attendance were academics from local and international higher education institutions and teachers and graduate students based in the USA and Jamaica.

On October 22–24, 2019, Dr. Saran Stewart working in conjunction with Dr. Aldrin Sweeney, Dr. Sharon Bramwell-Lalor and Mr. Miguel Ison, collaborated with the Linking Science Educators Programme (LSEP) [of the National Association for Research in Science Teaching (NARST) to stage the Integrative STEM Colloquium. Theme: “*Advancing STEM Education Reform in Jamaica*”. The colloquium was held at the UWI Regional Headquarters. Secondary and tertiary teachers were in attendance.

On February 6, 2020, School of Education hosted its Annual Principals’ Breakfast Round Table Meeting, which was conceptualized by Dr. Dian McCallum who has responsibility for the Practicum. The theme for the meeting was “*Preparation for Life, Work and Learning over the Lifespan*”. An addition to strengthening ties with school leaders to facilitate the field-based practicum, the breakfast meeting also sought to promote interest in the disciplines within the humanities and encourage school leaders to give students an equitable opportunity to pursue their interests. Presentations were made by Dr. Tamika Benjamin – National Mathematics Coordinator/ Tertiary Mrs. Esther Tyson – Author, Motivational Speaker; Dr. Annette Crawford-Sykes – Dean of Student Success, FMS, UWI; and Dr. Joseph Farquharson – Deputy Dean for Graduate Studies, FHE, UWI.

Professor Hubert Devonish facilitated a conversation with graduate supervisors. The focus of the conversation was the “in’s” and “out’s” of graduate supervision; navigating the processes; best practices and pitfalls. etc. in supervising graduate students’ research. The session was held on December 3, 2019 and supervisors from the SOE attended.

Several webinars were undertaken by staff in the School to address various matters linked to the COVID-19 pandemic.

- On Thursday April 16, Dr. Sharon Bramwell-Lalor, Dr. Aldrin Sweeney, Dr. Marcia Rainford, Mr. Miguel Ison and Mr. Tyrone Williams presented a webinar for science teachers entitled “*Effectively navigating online and distance teaching: Planning and facilitating students’ learning*”.
- On April 21, 2020, the School of Education organized a webinar, “*How to write a conceptual research paper*”, the facilitators were Dr. Saran Stewart, Dr. Carol Gentles & Dr. Carmel Roofe-Bowen.
- On April 28, 2020, the School of Education organized a webinar, *Developing and implementing online surveys*, the facilitator was Dr. Glenda Gay, Senior Lecturer from UWI, Cave Hill, Barbados.
- On Thursday June 25, The School of Education hosted a Webinar on “*Writing Journal Articles*”, which targeted new academics and MPhil/PhD candidates. The facilitators were: *Dr Anesa Hosein* Senior Lecturer in Higher Education at the University of Surrey, UK. & Associate Editor for the Journal of International Students and the Higher Education Research and Development Journal and *Dr*

Namrata Rao, Principal Lecturer in Education Studies at Liverpool Hope University, UK & Reviewer for several journals including *Journal of Comparative and Higher Education* and *Innovations in Education and Teaching International*. Dr. Marcia Rainford moderated the session.

- On July 3, 2020, the School of Education participated in the Webinar for The UWI, MONA. Faculty of Humanities and Education Virtual Seminar Series. The session entitled “*Coping Personally and Professionally as a Teacher during a Pandemic*” was led by Dr Carol Hordatt Gentles, Dr Tashane Haynes Brown and Dr Sharline Cole.
- On July 15, 2020, the School of Education in collaboration with Operation Save Jamaica organized, *Social and Emotional Learning in a Post COVID Future*, Facilitated by Dr. Michael Wiglesworth, Senior Lecturer at The University of Manchester, UK. This webinar targeted high school teachers.
- On July 23, 2020, the School of Education in collaboration with Operation Save Jamaica organized, *Social and Emotional Learning in a Post COVID Future*, Facilitated by Dr. Michael Wiglesworth, Senior Lecturer at The University of Manchester, UK. This webinar targeted primary school teachers.

PAPERS PRESENTED

- Campbell-Wilson, T. N, & Cole, S. M, (March 11, 2020). *Teachers’ experience in preparing students with intellectual disabilities for school to work transition*. Presented at UWI Centre for Disability Studies Regional Disability Conference 2020.
- Davis-Morrison, V., & Williams, R. (March 15–April and beyond 2020) *Beyond an Individualized Institutional Culture for Education for Sustainable Development. Views of Jamaican Educators and Pre service Teachers*. CIES Virtual Conference: Beyond the Human.
- Dowdie, D. & George, L. (2019, November). Gender differences in mathematics anxiety and the relation to mathematics performance [Conference session]. Association of Graduate Researchers in Education (AGRE), Kingston, Jamaica.
- George, L., Riley, M., Findlay, S., & Rowe, A. (2019, October 10–12). Using clickers to bridge the formative-summative assessment divide in a mathematics course: An action research study [Conference session]. International Society for Exploring Teaching and Learning (ISETL), Charlotte, North Carolina
- George, L. (2019, August 12–16). A tale of two fraction sub-constructs: The part-whole and quotient [Conference session]. The 18th Biennial European Association for Research on Learning and Instruction (EARLI) Conference, Aachen, Germany.
- Ison, M., Kinkead-Clark, Z., & Berry, C (2019, November). Re-conceptualizing and infusing STEM in the early childhood Jamaican classrooms. Paper presented

at the Association of Graduate Research in Education (AGRE) Inaugural Conference, Kingston, Jamaica.

- **Kinkead-Clark, Z.** (2019, August). “Framing, saming and shaming: Unpacking the mechanisms shaping perceptions of quality in early childhood education research and practice”. Paper presented at at European Early Childhood Education Research Association, Thessaloniki, Greece.
- **Kinkead-Clark, Z.** (2019, August). “Challenging the rhetoric of two-dimensional interpretations of quality early childhood education; A focus on the Caribbean”. Paper presented at the European Early Childhood Education Research Association, Thessaloniki, Greece.
- **McCallum, D.** (2019, October 24). “Professionalizing mentoring: Transforming teacher mentoring into an element of professional practice in Education.” Paper presented at the 12th annual conference of the Mentoring Institute, University of New Mexico, Albuquerque, New Mexico, USA.
- **McCarthy-Curvin, A.,** (2020, February 13–14). An Investigation into the Design of a Teacher Education Programme for Primary Mathematics Teachers: Presentation at the 22nd International Conference on Mathematics Education and Educational Policies, Dubai, UAE
- **Voutsina, C., George, L., & Jones, K.** (2019, August 12–16). Children’s shifts of attention in phases of stable performance in arithmetic tasks [Conference session]. The 18th Biennial European Association for Research on Learning and Instruction (EARLI) Conference, Aachen, Germany.

PUBLIC SERVICE

International Collaborations and Partnerships

- On April 17, 2020, Dr. Roofe-Bowen delivered a guest lecture on “*The curriculum improvement process: Creating authentic curriculum experiences*” as part of the course, Curriculum Development at the University of Guyana.
- Dr. Roofe-Bowen collaborated with Dr. Todd Price from National College of Education, National Louis University (NLU) Chicago, Illinois, USA to produce a Call for Papers for Special issue of *The Curriculum Journal*. The proposal was accepted for publication 2021/2022.
- Dr. Aisha Spencer, Snr. Lecturer in Language and Literacy Education and Professor Jacqueline Darwin, from Queens College were the co-leaders on a project, to provide innovative and stimulating contexts and methods for teaching and learning poetry. It targeted one undergraduate course at UWI – EDLA3111, Teaching Caribbean Poetry, and one graduate course from Queens College, NY -

SEYSL 703: Literacy for Diverse Learners. Students and lecturers of both courses engaged in interactive activities through the use of Flipgrid, an empowering social learning video tool, which formed part of the 'reflective' assignment section required of students in both courses. This collaborative effort was made possible through the COIL (Collaborative Online International Learning) project hosted by Queens College.

- As an outcome of the joint workshop on Assessment in Education for Sustainable Development (ESD) held in May 2019 involving the School of Education, UWI, London South Bank University (LSBU), and the University of Gloucestershire, a journal article has been prepared. It is currently under review by the journal International Journal of Sustainability in Higher Education. Additionally, a podcast episode based on the article has been prepared for the Sustainability Research Pod hosted by LSBU. It is available at <https://anchor.fm/sustainabilityresearchpod/episodes/Feature-length-episode-Education-for-sustainable-development-ESD-postgraduate-assessment-framework-eftglg>.

OUTREACH ACTIVITIES

- Following the fire at the National Children's Home in August 2019, a team of Lecturers and students from the School of Education led by Drs. Sharline Cole and Yewande Lewis-Fokum facilitated a series of workshops geared toward improvement of the morale of the children affected by the displacement caused by the fire.
- On Thursday November 7, 2019, Dr. Dian McCallum was the invited guest speaker at the prize giving ceremony at Holy Childhood High School in Kingston. The theme of the presentation and function was "*Excellence Toujours – Excellence Always!*"
- On November 19, 2019, Dr. Zoya Kinkead-Clark was one of the facilitators at the Early Childhood Commission – Inaugural Parents' Partner Forum. The Forum was staged in collaboration with the Education Sector, Transformation Plan for Learning and Teaching, a Japan funded grant, Inter-American Development Bank (IDB)-implemented technical cooperation initiative.
- On January 08, 2020, Dr. Dian McCallum conducted a professional development workshop on "*Teaching Adult Learners*" at the Jamaica Theological Seminary.
- On February 24 and 25, 2020, the Change from Within (CFW) programme hosted a capacity-building workshop under the theme '*Peace Building through Education*'. Nine participants from six CFW primary and secondary schools took place in the workshop with Day One focusing on conflict resolution and restorative justice circles and Day Two focusing on coaching of students. Workshop facilitators were Dr. Therese Ferguson-Murray (Lecturer, School of Education and CFW

Programme Leader) and Ms. Keisha-Ann Down (Accredited Senior Coach, Dragonfly Pathways).

- To assist schools in coping during the COVID-19 pandemic, the CFW programme organized two virtual support sessions as follows:
 - i. Empowerment Session for Circle of Friends members, facilitated by Ms. Keisha-Ann Down, on June 4, 2020.
 - ii. Psycho-emotional Support Session, facilitated by Clinical Psychologist Sonia Wynter, on June 11, 2020. The session was attended by 17 participants (Principals, Guidance Counsellors, Deans of Discipline, Teachers) from seven primary and high schools.

Service on Boards and Committees

- **Dr. Carol Hordatt Gentles** – Chairman of the Joint Board of Teacher Education
- **Dr. Carol Hordatt Gentles** – Chair, International Council on Education for Teachers (ICET)
- **Dr. Carol Hordatt Gentles** – Chair of Education Subcommittee of Grace Kennedy Foundation Board
- **Dr. Marcia Rainford** – Represents the UWI on the Board of the Council of Community Colleges in Jamaica (CCCJ).
- **Dr. Clavia Williams-McBean** – Member of the Technical Advisory Committee for the Caribbean Examinations Council.
- **Dr. Dian McCallum** – Chief Examiner for CAPE History for the Caribbean Examinations Council
- **Dr. Therese Ferguson and Dr Sharon Bramwell-Lalor** – serve as Focal Points for the International Network of Teacher Education Institutions (INTEI) associated with the UNESCO Chair in Reorienting Education towards Sustainability at York University in Canada. They serve as the Focal Points for a five-year period starting in 2020.

AGILITY

The income earned from online graduate programmes managed by the M.Ed. online Unit is the primary source of income generation in the School of Education. The projected gross income from the seven Masters Programme and the PGDE programme offered via blended and online modalities for the 2019–2020 AY is approximately JA \$70 M.

Consultancy: A team of educators led by Drs. Joan Hernandez and Deon Edwards-Kerr have been contracted by the Government of St. Lucia to undertake the Review and Revision of the *National Curriculum* to incorporate Special Education Needs. The Client is the Education Quality Improvement Programme (EQUIP), Department of Education, The Government of St Lucia. The project is funded by The Caribbean Development Bank and the cost of the consultancy is USD122,850.00.

The St Lucia project started in January 2020 and the work is in process. An inception report (110 pages) has been submitted to the Department of Education which has been approved by the Department of Education and given a non-objection by the CDB.

The other team members are Professor Halden Morris, **Dr Lois George**, **Dr Zoyah Kinkead-Clark**, Dr Michelle Meredith and Ms Doreen Faulkner.



INSTITUTE OF CARIBBEAN STUDIES & REGGAE STUDIES UNIT

Dr. Sonjah Stanley Niaah, B.A., Ph.D. UWI – Director & Senior Lecturer,
Cultural Studies

WORK OF THE DEPARTMENT

In alignment with the UWI's Strategic Plan, the Institute of Caribbean Studies (ICS) continued to expand the areas of Cultural Studies and Applied Cultural Studies within the University. Some of the objectives over the period were: 1) Rebranding of the Institute for greater clarity and recognition of the work performed by the ICS; 2) Development of new programmes to increase access to all; 3) Partnering with industries (locally, regionally or internationally) to increase the product offerings of the Institute; 4) Increasing student numbers by applying rigorous marketing strategies to aid in improving the UWI's financial health; 5) Enhancing the student experience to reduce the number of students who are 'required to withdraw' from the Cultural Studies programmes through mentorship; 6) Increasing staff research output; and 7) Increasing bids for grant proposals and consultancies.

As the UWI seeks to develop the Cultural and Creative Industries in the Caribbean, Dr. Sonjah Stanley Niaah led a UWI team on the submission of a grant proposal in April 2020 to the ACP in partnership with UNESCO and CARICOM to support the Cultural and Creative Industries in the amount of €3 million which was successful. The project is expected to begin in December 2020 following the signing of a contract with the ACP EU. Two proposals were also submitted in partnership with the Department of Festival and Creative Arts, UWI and the Sir Arthur Lewis Community College to the Caribbean Development Bank in respect of Festival and Tourism Data Intelligence which is centred around curriculum development.

The ICS maintained its growth trajectory in the 2019/20 AY including key activities in response to the last Quality Assurance Review (2015), despite challenges. There was continued engagement with the wider community by responding to local and global pedagogical and research trends while relying heavily on part-time support for development and delivery of approximately fifty-six (56) courses among other departmental activities. Despite the challenges experienced, particularly inadequate full-time staff at both the administrative and academic levels, the ICS continued to

grow with tremendous support from the Faculty and as such commenced the offering of the Music and Performance Studies undergraduate programme in the 2019/2020 AY.

Further, approval was granted by both Faculty and Academic Boards, and Campus Finance and General Purposes Committee (F&GPC) for a change of name from the Institute of Caribbean Studies to the Caribbean Institute of Cultural Studies. The proposal though rejected by the UWI F&GPC, continues to be discussed toward finalization of a name change. This name change would serve to distinguish the work of the ICS in an era of growth in both Cultural Studies and the Cultural and Creative Industries. It would also add significantly to the rebranding of the Faculty of Humanities and Education, and The UWI at large which has now identified culture as a key driver of national and regional development.

In light of the COVID19 outbreak, the ICS postponed its Biennial Stuart Hall Lecture scheduled for May 7, 2020. Nonetheless, the department hosted an ICS Day Forum online entitled: “Building a Resilient Creative Future Beyond COVID-19: Perspectives from the Caribbean and Beyond” which was held in two parts on May 15 and 22, 2020 to commemorate the ICS’ establishment and achievements over 33 years. The sessions were staged as part of the *Humanities in Action Virtual Seminar Series* in which departments and the Faculty by extension engaged with key questions around the impact of the COVID-19 pandemic. The series included presenters from the ICS, the Ministry of Culture, Gender, Entertainment and Sport; the Jamaica Reggae Industry Association; the Caribbean Development Bank; Women in Theatre/RJRG Group; The UNESCO Creative Cities Network; The Jamaica Association of Composers, Authors and Publishers; The United Nations Educational, Scientific and Cultural Organization Caribbean Cluster Office; South-South Collective; Institute of Cultural Policy and Innovation, and The UWI, St. Augustine. The series was broadcast live via UWI TV Global at www.uwitv.org and was also streamed via Facebook. The participants will be submitting papers for publication in a special issue of an academic journal which will form part of the record of the event and the Faculty’s intervention.

To achieve a more data-driven cultural and creative industries landscape for development in Jamaica, the ICS partnered with the Ministry of Culture, Gender, Entertainment and Sport on the preparation of a report on the impact of ‘Reggae Month’ 2020 based on research conducted during the period February to May 2020. The ICS is also finalising a report on the impact of COVID-19 on the Jamaican Entertainment Sector based on research conducted during the period June to August, 2020. Both projects utilised the skills of graduate students in the ICS.

The ICS also partnered with the South South Collective, UNESCO and Avaya on the Caribbean’s first #ResiliArt Debate to bring awareness to the status of the artist during

COVID-19 times. It was headlined under the theme: “Music and Murals – Making Cities Work for Visual and Performing Artists During and Post COVID-19”. A panel of artists, music promoters, architects, academics, entrepreneurs and cultural administrators debated the topic and took questions from the audience. A summary report of the recommendations coming out of the debate will be sent to UNESCO and subsequently shared by them, with policymakers and other organisations. The event was held on May 26, 2020 and streamed on the Avaya Equinox /THRIVE Conversations online platform.

The ICS also partnered with the Office of the Vice Chancellor on the staging of Black Futures: Equal Rights and the Call to Dismantle Systemic Racisms’ which was broadcast on July 19, 2020 via UWITv Global.

ACCESS

STUDENTS

The ICS continued to improve the quality of teaching, learning and student development while expanding its programme offerings to fill the gaps within the field of Cultural Studies, employing competent staff to efficiently and effectively deliver courses and encourage staff to participate in training sessions. Some of the achievements under the period of review were:

- Commencement of the offering of the BA Music and Performance Studies undergraduate programme in the Academic Year 2019/2020.
- Commencement of meetings with an interdisciplinary team consisting of colleagues from the Faculty of Science and Technology to develop courses that support programmes in Cultural and Creative Industries, and Music and Performance Studies. In this endeavour there are three streams of focus: cultural policy, acoustics, and sound engineering, as well as cultural entrepreneurship. A sub-set of this team is also engaged in the revision of the ECEM programme.
- Participation of staff, namely – Drs. Hickling Gordon and Stanley Niaah in the UNESCO SIDA II National Consultation and Training Workshop on Reshaping Cultural Policies for the Promotion of Fundamental Freedoms and Diversity of Cultural Expressions during the period October 31, and November 6–8, 2019. The training was conducted by Ms. Avril Joffe, a member of UNESCO’s Panel of Experts on Cultural Policy and Governance. Two graduate students in Cultural Studies also participated in the training. They are Ms. Kai Tapper and Ms. Isabel Dennis. This is an activity that supports the work of the department as it seeks to develop expertise in sustainable cultural planning, reshaping cultural policy and cultural diversity for the course delivery in cultural and creative industries.

- Receipt of over eight hundred (800) CD-ROMS from Mr. Chris Smiley courtesy of engagements through the American Foundation of UWI toward the establishment of a Global Reggae Archive at the UWI Library. The collection has been deposited with the Main Library and will form part of the Chris Smiley Collection.

Undergraduate Matters

Student Enrolment

The table below (Table 1) displays a summary of student enrolment for the academic years 2014/2015 to 2019/2020 in the Entertainment & Cultural Enterprise Management, Cultural and Creative Industries, and Music and Performance Studies Programmes offered by the ICS.

Table 1: Undergraduate Student Enrolment

PROGRAMMES	ACADEMIC YEARS				
	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
BA Entertainment and Cultural Enterprise Management Programme (ECEM)	88	88	105	121	133
BA Cultural and Creative Industries Programme (CCI)	–	–	23	26	49
BA Music and Performance Studies Programme (MPS)	–	–	–	–	14
Total	88	88	128	147	206

The Entertainment and Cultural Enterprise Management and Cultural & Creative Industries Programmes continue to attract students locally, internationally and regionally. However, there has been a reduction in the student registration in this academic year affected by students who have been experiencing financial challenges or have been required to withdraw. A rigorous marketing strategy was implemented with the aim of increasing student intake in the upcoming academic year. The mentorship programme which has reaped benefits over the last 3 years continues to be employed as a strategy in order that interventions can be made prior to failing GPAs that lead to RTWs.

Student Awards

Table 2 below summarises the student awardees for ICS prizes to honour their academic achievements at the Faculty Awards service held in November 2019.

PRIZE	CRITERIA	VALUE	RECIPIENT
Entertainment and Cultural Enterprise Management Prize	The most outstanding academic performance in Entertainment and Cultural Enterprise Management	20,000.00	Ms. Jeanette Fray
Stuart Hall Prize in Cultural Studies	The most outstanding academic performance in Cultural Studies	\$10,000.00	Ms. Abigail Williams
Institute of Caribbean Studies & Reggae Studies Unit's Graduate Prize	The most outstanding academic performance in ICS graduate courses	\$10,000.00	Mr. Gavin Walters
Caribbean Civilisation Prize	The most outstanding academic performance in Caribbean Civilisation	\$5,000.00	Mr. Malcolm Walker

Marketing Initiatives

Some of the marketing initiatives that were employed by the ICS to attract increased numbers of students to the University were:

- Successful hosting of CSEC/CAPE Teachers and Students Workshops. Teachers and students from all high schools nationally were invited to participate in these Workshops.
- Increased school visits.
- Increased circulation of flyers to advertise the programmes and courses offered by the ICS on the Institute's social media platforms, namely: Facebook, Instagram and Twitter.

Graduate Matters

The MA Cultural Studies Programme is currently being reviewed and will be rebranded to include a concentration on Global Comparative Cultural Studies.

The ICS has a cumulative graduation tally of forty-eight (48) across its graduate degree options as follows:

- M.A. – 14, M.Phil. –13 and Ph.D. – 21

The Departmental Awardees in the M.Phil. Cultural Studies Programme for the Academic Year 2019/2020 were as follows:

- Osayimwese Osagboro
- Kai-Yaneeke Tapper

The table below summarises the enrolment data for the graduate programmes offered by the ICS. When compared to the last academic year, student intake was maintained for the MA Cultural Studies Programme; however, there were five (5) new M.Phil./PhD candidates and one (1) PhD candidate enrolled in the graduate Cultural Studies Programme in the AY 2019/2020. As customary, students are accepted biennially for the M.Phil. and PhD Programmes, however, with the aim of increasing the student numbers, students are also being accepted in the M.Phil./PhD Programmes for the AY 2020/2021. Financial challenges continue to plague students in the self-financing programmes of the UWI with some students opting for periodic leave of absence.

Table 3: Number of Registered Graduate Students – ICS (2014–2020)

PROGRAMMES	ACADEMIC YEARS				
	2015/16	2016/17	2017/18	2018/19	2019/20
MA – Cultural Studies	14	16	13	11	13
M.Phil. – Cultural Studies	10	10	12	11	18
PhD – Cultural Studies	7	5	6	4	5
Total	31	31	31	26	36

It can be observed that there was an increase in the number of registered graduate students in the academic year 2019/2020. With the aim of maintaining favourable throughput rates, the ICS hosted its annual Staff/Graduate Student Retreat on June 6, 2019 at the Alhambra Inn. The focus continued to be on status updates for graduate students who received feedback concerning their theses and research papers, and matters related to registration. Additionally, the Institute continued to support graduate coaching involving an 18-month period of intense writing, feedback and presentations for research students.

The ICS also conducted an online meeting with graduate students on May 21, 2020. The purpose of this meeting was to connect with students in physically distant times and to obtain feedback about their progression through their chosen programmes of study. Students were required to submit a one-page progress prior to the meeting.

In November 2019, three (3) candidates graduated from the MA Cultural Studies Programme and one (1) successfully completed the programme in December 2019. In the AY 2019/2020 one (1) PhD candidate was unsuccessful in his PhD Defense while one (1) was successful with minor amendments to be made to his dissertation.

Approval has been granted by The Office of Graduate Studies and Research for two (2) M.Phil./PhD candidates to complete their upgrade seminars in Semester 2, AY 2019/2020. The names of the students are:

- Debon Panton – “Mapping West African Spiritual Traditions through 21st Century Afro-Jamaican Spiritual Practices”;
- Paula Daley – “Unmasking Tales of Identity through Representation in the Colonized Space.”

The department also congratulated Ms. Aisha Comissiong for successful completion of the MA Cultural Studies Programme (with Distinction), along with Mr. Quinton Yearde, Ms. Shana-Kaye Gordon and Mr. Michael Lewis.

The following M.Phil. Cultural Studies candidates received grants through the Office of Graduate Studies to support their participation in conferences during the period July 2019 to May 2020:

- Ms. Shantal Cover, Ms. Paula Daley, Ms. Isabel Dennis, Mr. Kirt Henry and Ms. Kai-Yaneeke Tapper

ICS SEMINAR SERIES

One of the efforts made by the ICS to improve the quality, quantity and impact of research, innovation and publication is the hosting of the Staff/Postgraduate Seminar Series for the academic year 2019/20. This seminar series was successful and there were ten seminar presentations in Semester I which started on September 26th and ended on November 28th. To date, there have been nine seminar presentations for Semester II (starting from February 16–May 14) with a remaining 4 presentations scheduled for May 21 to June 16.

In both semesters, members from across the UWI, Mona presented at the weekly series. Faculty members from CARIMAC, The Department of Government, Institute for Gender and Regional Studies, Library and Information Studies, the School of Education, and the ICS have participated in the seminar series as presenters.

The seminar also featured guest speakers from international institutions. Ph.D. candidate and Professor El Jones from St Mary University in Halifax, Nova Scotia, Canada delivered a face-to-face presentation in the first semester, and Dr. Julie Crooks, Associate Curator at the Art Gallery of Ontario presented in our first online series. In addition to faculty members, the ICS's Ph.D. and M.Phil. students presented

their graduate studies research, along with a visiting Ph.D. candidate from the University of Chieti Pescara, Italy. However, the seminar series was interrupted in March because of the COVID-19 pandemic. The seminars were relocated to the online Zoom platform, with the first session commencing on April 20th. The shift to the online platform significantly increased the number of attendees with a range of 30 – 100 persons joining each week. We will be exploring a combination of online and face-to-face seminar presentations in the post-COVID-19 period. That approach would disseminate the knowledge production outcomes from the ICS and UWI more broadly to a wider and more diverse audience.

REFEREED PUBLICATIONS:

2020

- Stanley Niaah, S., (Ed.) *Dancehall: A Reader on Jamaican Music and Culture*, Kingston: The Press, UWI, 506 pp.
- Stanley Niaah, S., ‘Introduction’, in *Dancehall: A Reader on Jamaican Music and Culture*, Kingston: The Press, UWI pp. 1–5.
- Stanley Niaah, S., ‘Ritual and Community in Dancehall Performance’, in *Dancehall: A Reader on Jamaican Music and Culture*, Kingston: The Press, UWI pp. 327–340
- Stanley Niaah, S., ‘Bogle a di order fi di day’, Dance and Identity in Jamaican Dancehall’, in *Dancehall: A Reader on Jamaican Music and Culture*, Kingston: The Press, UWI pp. 477–490

2019

- Tomlinson, L., “*Una Marson: The Caribbean Biography Series.*” Kingston Jamaica: UWI Press.

OTHER PUBLICATIONS:

2020

- Plummer N., “Reading for Life: A Life of Reading”, Columnist, *Sunday Gleaner*, In Focus, Sunday, March 29, 2020, <http://jamaica-gleaner.com/article/focus/20200329/reading-life-life-reading>

2019

- Stanley Niaah, S., ‘It’s a Dancehall Ting’ paper introducing the Event Edition SoleDXB Magazine, pp. 12–17, soledxb.com (with revised version published as ‘It’s a Dancehall Ting: Reflections on Jamaica’s Longest Running Popular Music

Genre' in *Jamaica Jamaica!* exhibition catalogue, National Gallery of Jamaica, pp. February 2020)

- Stanley Niaah, S., 'Sound System Time' interview with Uncle Ronnie, the Event Edition SoleDXB Magazine, pp. 19–29, soledxb.com.
- Stanley Niaah, S., 'The Richness of Koffee' interview with Koffee, in the Event Edition SoleDXB Magazine, pp. 103–111, soledxb.com.
- Stanley Niaah, S., 'Notorious Jamaican Street Poet, Folk Hero or Wasteman?' in the Event Edition SoleDXB Magazine, pp. 218–219, soledxb.com

ALIGNMENT

The ICS continued to build value added and relevant relationships with international partners. Some of the established relationships with international partners under the period of review were as follows:

VISITORS TO THE ICS

- Dr. Les Johnson was appointed as a Visiting Lecturer in the ICS for the AY 2019/2020. Dr Johnson however remained at Birmingham City University for the year and was unable to visit the campus.
- Mrs. Elena Barrecca was a visiting researcher from the University of Chieti-Pescara, Italy, who conducted research to complete her PhD, entitled – “Word Sound Power: Reggae Lyrics and PostColonial Discourse.” The visiting researcher was granted permission to audit courses in the ICS that will enrich her studies.

International Collaborations

The Institute of Caribbean Studies hosted a group of seven (7) students and (3) members of faculty from Trinity College as part of their Study Away programme during the period October 12 to 18, 2019. The students had an engaging experience in Jamaica and participated in various activities including a campus tour, lectures, and field trips. The ICS hosted a second group of students from Trinity College in a Student Exchange Programme, March 2 to 8, 2020.

The ICS had begun advertising the first Hip Hop conference to be hosted by The UWI under the theme 'The Legacy of DJ Kool Herc: Celebrating the Jamaican Roots of Hip Hip'. The conference was to be hosted in collaboration with the Office of the Vice Chancellor during the period April 16–17, 2020. This event was postponed due to the COVID-19 outbreak. A new date is to be decided.

The UWI, through the Office of Global Affairs, launched an International Summer

School with the University of Leicester (UoL) in June 2019 under the theme ‘Global Health and Environments’. The second staging was to be hosted at the Mona Campus in June 2020 under the theme ‘Cultures and Politics of Protest’. Following the finalization of plans by the ICS to host the 2nd UWI/University of Leicester International Summer School during the period June 1–6, 2020, this activity had been postponed to June 2021 as a result of the COVID19 pandemic.

The achievements in relation to the UWI/UoL International Summer constitute a real success for the Faculty of Humanities and Education, and the UWI more broadly.

The ICS partnered with the Sydney Institute of Music to host a successful 15th conference of the Small Island Cultures Research Initiative under the theme ‘Island Tourism and Music Festivals’ during the period July 9–13, 2019. A publication of the papers is forthcoming.

CONFERENCES/SEMINARS/WORKSHOPS/LECTURES

The ICS hosted public events to respond to the demands of the industry and for public education. Below is a list of events that were hosted by the ICS as well as events attended by members of staff during the AY 2019/2020:

- The Institute of Caribbean Studies (ICS) hosted the Annual Walter Rodney Lecture entitled “Groundings with Miss Lou and Walter Rodney: Community, Activism, and Mass Education” on Thursday, October 17, 2019 to an engaged audience in the Neville Hall Lecture Theatre. The 2019 lecture was delivered by Ms. Dahlia Harris – renowned actor, producer, writer, and graduate of the Faculty of Humanities & Education.
- The ICS hosted a CXC/CAPE Teachers’ Workshop on November 30, 2019. This workshop was successful and over seventy participants (representatives from twenty schools) were in attendance. The teachers expressed their willingness to participate in future activities organised by the ICS. The ICS also reframed the intended face-to-face student workshop for CAPE Caribbean Studies to an online marathon which was held on July 1, 2020 via Zoom to the attendance of some 300 students. The event was also streamed live via Facebook.
- The ICS hosted its annual Bob Marley Lecture on February 13, 2020 which was delivered by Janine Cunningham, recording artiste, also known as Jah9. The lecture entitled ‘Turn Your Lights Down Low’ was well attended, and post-lecture coverage was provided by *The Jamaica Observer* and *The Gleaner*.
- The Jamaica Reggae Industry Association (JaRIA) in collaboration with the ICS presented a Reggae Open University Talk – entitled “Level up: An Exploration of Gender Balance in the Music Industry” on Thursday, February 20, 2020. This Talk was a conversation between women in the Music Industry including,

Claudette Kemp – Capleton’s Manager, Reggae Artiste Suga, Dr. Lisa Tomlinson, and Lauren Watkis, Project Manager, Chronixx Music Group.

- Mr. Marcus Goffe from the Jamaica Intellectual Property Office through The UWI Main Library delivered a lecture on intellectual property to CLTR3803: Intellectual Property Management for Cultural and Creative Industries students and others on Thursday, February 20, 2020, 5:30 pm in Room N3. The topics that were discussed included: Trademarks, Geographical Indications, and Domain Name Protection.
- The UWI, Mona-Western Jamaica Campus in collaboration with the ICS hosted a Cultural and Creative Industries Lecture Series entitled “**Fostering Creatives**”: **A Black History-Reggae Month Lecture Series**”, February 24–28, 2020.
- To commemorate the ICS’ establishment and achievements over 33 years, the department hosted an ICS Day Forum entitled: “**Building a Resilient Creative Future Beyond COVID-19: Perspectives from the Caribbean**” which was held in two parts on May 15 and 22, 2020. The sessions were staged as a part of the *Humanities in Action Virtual Seminar Series* in which departments and the Faculty by extension could engage with key questions around the impact of the COVID-19 pandemic.
- In honouring the #BlackLivesMatter movement, spurred in 2019 by the brutal assassination of George Floyd, the ICS partnered with the Office of the Vice Chancellor on the staging of a global forum under the theme ‘**Black Futures: Equal Rights and the Call to Dismantle Systemic Racisms**’ which was broadcast on July 19, 2020 via UWITv Global.

Selected Presentations

Dr. Dennis Howard

- ‘Managing Creativity: Unlocking the Hidden Potentials in the Jamaican Music Industry’, Western Jamaica Campus (WJC), February 24.

Dr. Candia Mitchell-Hall:

- The Grenada Revolution: 40 Years After: Commemoration, Celebration and Critique. “Popular culture, memory and the Grenada Revolution”. St George’s University, Grenada. 27–30 May 2019.

Dr Sonjah Stanley Niaah

- ‘Reclaiming the Drum: Reflections on Reparations in the Caribbean’, paper presented at the 25th Anniversary of the Slave Route Project Conference, Cotonou, Benin, August 20–24, 2019
- ‘A Trillion Dollar Industry: The Festival Economy and Implications for Western Jamaica’, WJC, February 25.

- ‘Sound System, Citizenship and Politics in Jamaica’, paper presented at the European Anthropological Association Conference, Portugal, July 24.

Lisa Tomlinson:

- Presenter: “The Development of a Caribbean Cinematic Culture”, Santa Domingo, Dominica Republic, (Remapping Caribbean New Cinema) January 24–28, 2020.

OUTREACH AND PUBLIC SERVICE

Faculty members of the ICS continue to participate in outreach and public service to add valuable contributions to the cultural and creative industry. During the AY 2019/2020, some of the services offered by Faculty members of the ICS were:

Dr. Howard Dennis

- “Building a Resilient Creative Future Beyond COVID-19: *Perspectives from the Caribbean*” Presenter – “Tips for Creatives during the COVID-19 Pandemic”, May 22, 2020

Dr. Deborah Hickling Gordon

- Presenter, “Preserving Culture in the Changing Tourism Industry”, Belize Tourism Board, Annual Tourism Conference “Destination Marketing and its Impact on Belize”, October 18, 2019, Belize City, Belize.
- As a corollary of the activities around the UNESCO National Consultation on Cultural Policy Drs. Hickling Gordon and Stanley Niaah participated in the revision of the “Culture and Creative Economy Policy” at the Ministry of Culture, Gender, Entertainment and Sport during the period November 19-22. Three students from the Cultural and Creative Industries programme also participated in the policy revision process.
- “Building a Resilient Creative Future Beyond COVID-19: *Perspectives from the Caribbean*” Presenter – “Cultural and Creative Industries in Perspective”, May 22, 2020.

Dr. Raymond Hitchins

- Film documentary interview for the History of Sound Techniques on the mixing console and its use in Jamaica (London).
- In furtherance of development of the new B.A. degree in Music and Performance Studies, Dr Raymond Hitchins attended the Sound and Music Computing Conference, Malaga Spain May 28–31.

Dr. Candia Mitchell-Hall

- Outreach with the 3T’s Memorial Foundation, 30 May 2019, Grand Bra, St Andrew’s.

- Public service with the Grenada Cultural Foundation, 3 June 2019, Kirani James National Stadium, St George's, Grenada.
- Outreach with the Magnificent Six. St Patrick's, Grenada entitled "Reminiscences, Nostalgia and Memory", 4 June 2019.
- Gender discourse with the 3T's Memorial Committee (Via Skype) February 3, 2020.
- The Slave Route Project – Consultative discourse with the Grenada Industrial Development Centre on their contribution to the Cultural Economy of Grenada, February 5, 2020.
- Interview in creation of a podcast with Warre Martens of Belgium on racism and slavery in the Caribbean, February 19, 2020.

Dr. Nicole Plummer

- Keynote Speaker, "*Country come to town – Finding the right balance*", The Westwood High School annual College Fair held under the theme: Excellence through Determination and Discipline, Thursday, November 14, 2019.
- "Reading for Life: A Life of Reading", Guest Speaker, Harbour View Branch Library Annual Black History Month Reading Competition.

Dr. Sonjah Stanley Niaah

- UNESCO SIDA II National Consultation and Training Workshop on Reshaping Cultural Policies for the Promotion of Fundamental Freedoms and Diversity of Cultural Expressions, Jamaica Conference Centre, October 31, and November 6–8, 2019. The training was conducted by Ms. Avril Joffe, a member of UNESCO's Panel of Experts on Cultural Policy and Governance.
- Consultation for the revision of the 'Culture and Creative Economy Policy – Jamaica', Ministry of Culture, Gender, Entertainment and Sport, November 19–22, and December 11–12, 2019.
- National representative & Member, Meeting of the International Scientific Committee on the occasion of the 25th Anniversary of UNESCO's Slave Route Project, Cotonou, Benin, August 20–24, 2019
- Represented Jamaica as part of a national delegation to the World Music Expo in Tampere, Finland, where she participated as convenor and presenter in the panel entitled 'Reggae Innovation and Sound System Culture in a Global Context', October 23–27, 2019.
- Panellist on 'Miss Lou and Walter Rodney's Activisms', Beyond the Headlines, RJR 94FM, October 16, 2019.
- One on One Feature Interview, All Angles, TVJ, October 23, 2019.

- Panellist, ‘Two Women in Culture’, All Angles, Television Jamaica, October 23, 2019.
- Speaker and Panel Organiser, ‘Reggae Innovation and Sound System Culture in a Global Context’ presentation at the World Music Expo (WOMEX), Tampere, Finland, October 27, 2019 as part of a first Jamaican delegation to WOMEX supported by the Ministry of Culture, Gender, Entertainment and Sport. Other participants on the panel were Jah9, reggae artiste, Dr. Dennis Howard, Adjunct Lecturer in the ICS, and Bastien Bacha of Talowa Productions in France.
- Represented Jamaica as a consultant and participant in the SOLE DXB festival where she hosted talks with members of Nomaddz and filmmaker Don Letts after the screening of the film *Rudeboy* during the period December 5–7. As a cultural specialist she supported Jamaica’s representation for the first time in the premier lifestyle festival in Dubai which saw some 44 Jamaicans being invited to participate.
- “Building a Resilient Creative Future Beyond COVID-19: *Perspectives from the Caribbean*”, Host & Moderator, May 15 and 22, 2020.
- Panelist, South South Collective /UNESCO #ResiliART Debate under the theme ‘Music and Murals: Making Cities Work for Visual and Performing Artists During and Post COVID-19’, May 26, 2020.
- Moderator/Ideator, ‘Black Futures: Equal Rights and the Call to Dismantle Systemic Racisms’ An ICS Global Forum, in collaboration with the Office of the Vice Chancellor, July 19, 2020.
- Moderator, ICS 3 part series in collaboration with the Centre for Reparation Research and the National Council on Reparation – ‘A Critical Engagement on Symbols of Jamaican Nationhood’ July 9; ‘The People’s Symbols: A Critique of Symbols of Jamaican Nationhood, Pt. 2, The People’s Symbols: A Critique of Symbols of Nationhood, July 23; ‘Pirates and Pariahs: A Critique of Symbols of Jamaican Nationhood Pt. 3, August 20, 2020.

Dr. Lisa Tomlinson:

- Assistant Chief Examiner, CAPE Literatures in English, Paper setting 1 &2, Kingston, Jamaica, *June–July*
- Standardization Specialist CAPE Literatures in English Paper 1& 2, Kingston, Jamaica, *June–July*
- International Reggae Day Panellist: The Assessment on the State of Reggae Music, UWI Mona Campus – *July* 2019.
- Chief Judge GATFFEST Film Festival, Kingston, Jamaica, *June*
- Guest Interview on “Kanye West’s visit to Jamaica”: Beyond the Headlines, RJR Jamaica, Oct 18, 2019.

- Panellist, “A Hustle or a Business? Making Money Through the Arts”. Heritage Month, Institute of Jamaica, Kingston Jamaica, October 26, 2019.
- Presenter, “Reimagining Dancehall Tourism through the lens of Dancehall Ecosystem” “Dancehall a We Everything” – panel discussion about streamlining Dancehall within the Tourism industry, the Heart College of Hospitality Cohort 1 of Event planning and Management students, Sandals Ochi Beach Resort Ballroom, October 28, 2019.
- Panel Chair, “Performance as/in the Archive”. Unlocking Caribbean Memory. Department of Library & Information Studies, UWI, Mona, Jamaica, October 30, 2019.
- Panellist: “Level up: An Exploration of Gender Balance in the Music Industry” (Jamaica Reggae Industry Association), UWI, February 20, 2020.

APPOINTMENTS AND RECOGNITION

- Dr. Nicole Plummer was appointed as the Associate Dean, Faculty of Humanities and Education for Outreach and Marketing, AY 2019/2020.
- Dr. Sonjah Stanley Niaah was reappointed to serve another two-year term as member of the National Entertainment Advisory Board of the Ministry of Culture, Gender, Entertainment and Sport.
- Dr. Sonjah Stanley Niaah was appointed to the Board of the Glasgow Caribbean Centre for Development Research; an inaugural board meeting for the establishment of the Centre was held at The UWI Cave Hall Campus, December 18, 2019. Subsequent meetings have been held in March and July with programmatic objectives now focused on the development of an M.A. in Reparatory Justice.

AGILITY

Two of the efforts made to diversify the revenue base of The UWI were to offer courses that were in high demand in Summer School, AY 2019/2020 and to host CXC/CAPE Workshops to advertise the programmes offered by The ICS as well as to provide useful tips to students for successful completion of their course(s).

INCOME GENERATION

The ICS hosted three (3) CXC/CAPE Workshops for students, February 29 and March 1, 2020. These workshops were successful and approximately four hundred (400) participants were in attendance. A gross income of approximately \$240,000 was realized.

The following courses offered by The ICS during Summer School 2020 during the period July 6–August 7, 2020 brought additional revenue to the Institute:

- FOUN1101 – Caribbean Civilisation
- CLTR1001 – Introduction to the Study of Culture
- CLTR2505 – Entertainment, Media and Culture
- CLTR2518 – The Culture of Rastafari
- MUSC3300 – Bob Marley and His Music
- CLTR3507 – Culture, Gender and Sexuality in Jamaican Popular Music

As the department enters 2020/21 we anticipate that efforts at fundraising, including the proposals submitted to the Caribbean Development Bank and ACP – EU, will bring additional funds for the development of programmes in the cultural and creative industries.

FACULTY OF LAW

Mona

Year ending July 31, 2020



**DR. SHAZEEDA ALI, LL.B. (Hons) (UWI), LL.M.
(Cantab), Ph.D. (Lond)**

DEAN

Dean's Overview

WORK OF THE DEPARTMENT

Dr. Shazeeda Ali began her tenure as Dean of the Faculty of Law on August 1, 2019. Under her leadership, the Faculty continued to enrich the students' experience, provide continuing legal education activities and to impact the wider society through numerous outreach initiatives.

ACCESS

STUDENT ACHIEVEMENT

The Faculty graduated three students from the Master of Laws (LLM) programme, two of whom completed with distinction. The Faculty also graduated 136 undergraduate students, 9 of whom were awarded the LLB with First Class Honours.

During the 2019/2020 academic year, the Faculty continued to identify and implement strategies aimed at improving the students' experience. The 2nd Annual Faculty Awards Ceremony for the recognition of outstanding students in academia and co-curricular activities was held on November 11, 2019 with 53 students being recognized in the categories of Subject Awards, Year/Level Awards, Top LLM Student Award and Dean's List Award. The Mona Law Society students association continued to play an integral role in the planning process for the Faculty awards ceremony including issuing awards from the Society at the ceremony.

TEACHING, LEARNING AND STUDENT DEVELOPMENT

In the second semester of the 2019/2020 academic year, sessions were organised for Year 1 criminal law students to discuss current problems in the law of homicide with legal practitioners, Mr Jeremy Taylor QC (Deputy Director of Public Prosecutions) and Her Worship Sahahi Whittingham-Maxwell, Parish Court Judge, Jamaica, led these discussions which were organised by the course director, Ms Anika Gray. A public lecture on accomplice liability for Year 1 criminal law students at Mona and

Cave Hill was also held. Mr Jeremy Taylor Deputy Director of Public Prosecution, Jamaica, was the main presenter.

On April 15, 2020 MonaLaw held a Public Debate on Constitutional Law and the Covid 19 Crisis, as part of teaching in the Faculty's core public law courses, Constitutional Law and Commonwealth Caribbean Human Rights Law. This was organized by Gabrielle Elliott-Williams and Tracy Robinson in collaboration with the Mona Law Society. The debate between the Year 2 and Year 1 students was on the motion:

“Be it resolved that the actions taken by the Jamaican government in response to the current Covid-19 crisis are not prima facie unconstitutional. A declaration of a state of public emergency is not necessary for safeguarding fundamental rights in this crisis.”

This online event responded to a relevant public debate and was distinguished by its high quality, the strong participation of MonaLaw students and the region wide involvement of students at other Faculties of Law in the region and the Council of Legal Education's law schools. The activity also served as a tool for continuing learning during the teaching break and brought alive the relevance of public law teaching.

The Faculty in collaboration with the World Intellectual Property Organisation (WIPO) facilitated a one week intensive teaching on Copyright Law in October 2019. The WIPO expert Dr. Justin Koo is also a Lecturer in Law at the The University of the West Indies, St Augustine Campus. Dr. Koo presented in MonaLaw's public lecture on “The Value of the Right of Communication to the Public for the Commonwealth Caribbean”. The topic aligned with Mona Law's aim of promoting understanding of copyright issues and the internet, through course offerings in our LLM in Intellectual Property.

ALIGNMENT

RESEARCH AND CONSULTANCY SERVICES

Members of the MonaLaw Family made various presentations to share research output locally, regionally and internationally as outlined below:

- Ali, S., “*FATF: a Yardstick or a Big Stick?*” 37th Cambridge International Symposium on Economic Crime, Cambridge, United Kingdom, September 3, 2019.
- Ali, S., “*Suspicious Activity: Suspicious Minds*” 37th Cambridge International Symposium on Economic Crime, Cambridge, United Kingdom, September 4, 2019.

- Ali, S., “Lawyers, Cannabis and POCA: a Contradiction or Trilogy?”, Jamaican Bar Association Weekend Conference, Rose Hall, Jamaica, November 19, 2019.
- Ffolkes-Goldson, S., “Corporate Governance as A Mechanism for the Deterrence of Economic Crimes”. Osgoode Hall Law School LLM programme, November 2019.
- Ffolkes-Goldson, S., “Strengthening Corporate Governance In Public Sector Companies”, Jamaica Bar Association Conference, November 2019.
- Ffolkes-Goldson, S., “Subsidiary Governance”, NCB Financial Group, November 2019.
- Ffolkes-Goldson, S. “Investor Protection: Stakeholder Remedies Under The Corporations Act”, Osgoode Hall LLM Programme, February 2020.
- Ffolkes-Goldson, S., “Recent and Emerging Trends in Corporate Governance”, Grace Kennedy Group Limited, June 2020.
- Kellier, M., “Listen Up & Learn: Gen XYZ...the Evolution of the Law Practice through Gen Y lens”, Jamaican Bar Association Annual November Conference, Hilton Hotel, November 2019.
- Kellier, M. ‘Gen XYZ...Law Firm Assets for Surviving COVID-19 and the Future’, Jamaican Bar Association Virtual Mid-Year Conference, July 2020.
- Robinson, T., “Loving Law: Caribbean Desires, Perversions and Possibilities’. IGDS The UWI Cave Hill, 25th Annual Public Lecture, Caribbean Women: Catalysts for Change in memory of Dame Nita Barrow, Governor General of Barbados, 1990-95, Barbados, 8 November 2019.
- Vasciannie, S., Forum on Legal Aspects of the COVID-19 Crisis in the Caribbean, Organization of American States, Washington D.C., July 7, 2020.

PUBLICATIONS

Peer Reviewed Journal Articles

- Ali, S., “Fighting Financial Crime: Failure is not an Option”, *Journal of Financial Crime* (Vol. 27(1), London, January 2020, 1–23)
- Elliott-Williams, G., “The CCJ decolonizing Caribbean constitutionalism.” *Commonwealth Law Bulletin* 45.4 (2019): 742–751.

Peer Reviewed Articles

- Gray, A., Taitu Heron, *A Legislative Review of Restrictive Provisions Governing Women’s Access to Abortion in the Eastern Caribbean* (2020) Available at SSRN: <https://ssrn.com/abstract=3655822> or <http://dx.doi.org/10.2139/ssrn.3655822>

- Eric Friedman, Lawrence Gostin, Matthew Kavanagh, Mirta Roses Reiago, Michael Marmot, Anna Coates, Agnes Binagwao, Joia Mukherjee, Mushtaque Chowdhury, **Tracy Robinson**, Valdilea Veloso, Chenguang Wang, Miram Were, 'Putting health equity at heart of universal coverage – the need for national programmes of action' *BMJ* 2019; 367 :l5901 (7 pages).

Non-Peer Reviewed Article

- **Gray, A.**, "Big Data and Predictive Policing: Privacy and Distrust" <http://jamaicagleaner.com/article/focus/20200614/anika-gray-and-urmila-pullat-privacy-distrust-and-big-data>

Technical Reports

- Phillips H., Morrison C.D., Hylton, M., **Ali, S.**, Taylor, J., Tarr, T., Brown-Beckford, C., *Report on Criteria for the Appointment of Judges* (produced for the Honourable Chief Justice, JAMAICA, February 2020, 62 pages).
- Kerusauskaite, I., **Ali, S.**, Mason, P., Sparrow, J., Clarke, R., Bryant, N., Mendez, T., Beringer, H., *Regional Interventions to Combat Harmful Illicit Financial Flows in the Caribbean* (produced for the Department for International Development, (DFID) United Kingdom, February, 2020, 264 pages).

MonaLaw Alumni Office

The MonaLaw Alumni Office was established in the Office of the Dean and now serves as the link between the Faculty and its graduates. It will coordinate activities including fundraising events that involve alumni. *MonaLaw Connects*, the official MonaLaw Alumni newsletter, was officially launched in December 2019.

U-RAP

Faculty of Law The UWI Rights Advocacy Project (U-RAP) held a public event at The UWI Open Campus, Belize City, 'Living Good: A Conversation about the right to dignified lives and just communities'. In association with PETAL, U-RAP, BAPDA, BFLA, EYBM, POWA, UWI Open Campus, Belize National Library Our Circle, UniBAM, November 2, 2019, Belize City.

U-RAP led a plenary session in the Biennial Conference of the Caribbean Association of Judicial Officers (CAJO), under the theme 'Equality for All in the Administration of Justice: Lessons for Enhancing Judicial Integrity', November 2, 2019 in Belize City.

AGILITY

MonaLaw was approached by Florida State University (FSU) College of Law in December 2019 to discuss possible collaboration opportunities. The FSU Dean, Erin O’Hara O’Connor, delivered a public lecture on US Law entitled “An Introduction to the United States Legal System From 30,000 Feet” on Monday, February 12, 2020. Discussions included possible collaboration with MonaLaw and FSU to offer joint Continuing Legal Professional Development /Continuing Legal Education (CLPD/CLE) seminars and joint Society for Human Resources Management (SHRM) programmes, which would appeal to practising attorneys in Jamaica and Florida and also human resource professionals.

Since an FSUWI one week exchange programme is already in existence, FSU and MonaLaw will explore the possibility of having a staff and student exchange programme. For the student exchange, MonaLaw graduate students would benefit from paying Florida in-state tuition fees.

Tracy Robinson, Senior Lecturer and Deputy Dean, Graduate Studies and Research, Faculty of Law, was appointed to a three person Independent Fact-Finding Mission on Libya.

The Fact-Finding Mission on Libya was established by the Human Rights Council on 22 June 2020, *inter alia*, to document alleged violations and abuses of international human rights law and international humanitarian law by all parties in Libya since the start of 2016.

The COVID-19 pandemic saw the Faculty of Law equipping its staff with adequate equipment, including laptops and VPN access, to facilitate working from home. A limited number of administrative staff are rostered for in-office duty on a daily basis, in an effort to reduce the spread of the COVID-19 virus.

INCOME GENERATION

Rental of space in the Faculty Building to external entities continued to generate revenue.

FACULTY OF MEDICAL SCIENCES

Mona

Year ending July 31, 2020



DR. TOMLIN J. PAUL
MB, BS, MPH, DFPHM, FAcadMed
DEAN

Dean's Overview

HIGHLIGHTS OF THE WORK IN THE FACULTY

The Faculty continued its progress through Academic Year 2019/2020 with a vision to strengthen its educational and research outputs. It underwent a number of internal Quality Assurance (QA) exercises with the aim to identify weaknesses, highlight strengths and seize opportunities. Among the programmes that underwent QA reviews were the Bachelor of Science in Physical Therapy in February 2020 and the Doctor of Dental Surgery in October 2019. Additionally, the Caribbean Accreditation Authority for Education in Medicine and other Health Professions (CAAM-HP) also conducted a review of the Doctor of Dental Surgery programme in November 2019. Efforts were being made in the Faculty to address the areas of concern highlighted.

A Senior Management Staff Retreat was held December 17, 2019 to develop a strategic framework and craft strategies to address the University's financial challenge as part of a "Ten in Two" austerity plan. The Faculty's vision was re-aligned and adopted to be that of a Faculty of excellence rooted in the Caribbean for education, training, research and service in health and well-being. Its agreed mission is to advance learning, create knowledge and foster innovation in health for the positive transformation of the Caribbean and the wider world. In addition to the adoption of core values to include social accountability and professionalism, senior managers inter alia recommended initiatives to reduce operational costs for examinations and a re-visioning of the research enterprise to promote local capacity building with enhanced grant administration. The Faculty would continue to review its operations and make recommendations for implementation in relation to the strategic direction of The UWI. Though we had not been able to host a Faculty-wide retreat due to the COVID-19 pandemic this remained a priority in ensuring that the input of its stakeholders were obtained as we charted the way forward.

Apart from the challenges brought on by the COVID-19 pandemic, one of the major challenges faced by the Faculty was the closure of The UWI's School of Nursing (UWISON) facilities. The Mary J. Seivwright Building was ordered closed in December 2019 due to mould infestation, poor indoor air quality and reports of

illness among staff members. This action severely affected the operations of the School with staff and students being relocated to the FMS Teaching and Research Complex to ensure the continuation of the programmes' functions. With the support of the Campus' Principal, a technical team was put in place, headed by the Campus Projects Office, to address the cleaning, rehabilitation and upgrading of the facilities so as to achieve a safe and habitable work environment in the shortest time possible. The Nursing Council of Jamaica has also been closely monitoring the situation and ensuring the maintenance of standards. The rehabilitation work was being undertaken by the Mould Remediation and Restoration Services Limited (MMRSL) along with the Estate Management Department with support from Departments of Microbiology and Community Health & Psychiatry and the Dean's Office and was expected to be completed early in the next academic year.

The COVID-19 pandemic had provided significant challenges to the Faculty's operations in all core areas of teaching, research and service. In addition to the rapid implementation of remote emergency learning, we have had to address the fallout in delivery of clinical and practical-based skills teaching and assessments while managing risk of exposure to the coronavirus. The initial impact had seen delays in student progression and finalization across programmes producing significant student anxiety and dissatisfaction. The members of academic staff and graduate students working within our hospital systems faced added challenges during this period in terms of COVID-19 related patient care. All members of the Faculty must be commended for their commitment and dedication during this challenging period.



ACCESS

AC1 – TO BE A UNIVERSITY FOR ALL

Table 1: Undergraduate Enrollment for the Academic Year 2019/2020

Programme	Majors and Minors	No. of Students 2018/2019	No. of Students 2019/2020
BBMedSci	Anatomy	51	58
	Biochemistry	1	–
	Pharmacology	100	67
	Physiology	22	13
	Sub-total	174	138
BSc	Nursing (Post RN) Online Delivery	102	73
	Nursing (Generic)	1291	1325
	Physical Therapy	152	139
	Diagnostic Imaging	90	83
	Sub-total	1635	1620
DDS	Doctor of Dental Surgeon	90	72
PharmD	Doctor of Pharmacy	52	99
MBBS	Bachelor of Medicine & Surgery	1627	1524
	Sub-total	1769	1695
Total		3578	3453

Specially admitted students from overseas institutions who registered for clinical rotations/electives in various specialties for the period is 63, compared to 50 in the previous year.

Table 2: The MBBS Examination Results – Academic Year 2019/2020

Subjects	Pass	Honours	Distinction	Fail/FA	Total
Medicine (MDSC553)	222	33	2	10	266
Obstetrics and Gynaecology (MDSC554)	220	27	10	10	267
Surgery (MDSC555)	250	2	2	15	269
Total no. of student who sat the exams					274

Table 3: Graduated – Undergraduate Students – Academic Year 2019/2020

Programmes	No. of Students 2019/2020
MBBS	310
DDS	–
BSc Nursing (Generic)	222
BSc Nursing (Post RN)	15
BSc Physical Therapy	43
BBMedSci	44
BSc Diagnostic Imaging (Radiography)	23
Total	657

Note: Completion of programme was delayed for the DDS programme due to challenges brought on by the COVID-19.

Undergraduate Student Awards – 2019/2020

Despite the challenges faced by students, including those brought on by the COVID-19 pandemic, students continue to focus on their academic pursuits and excelling in their examinations. The Faculty celebrated the success of the students and gave special recognition to those who made the Dean's List, as follows:

Programmes	Types of Award and Number of students who received awards		
	Dean's List	Honour Society	Outstanding Graduands
DDS	–	–	2
MBBS	22	7	2
Nursing	45	6	2
Physical Therapy	6	4	2
BBMedSc	3	3	2
Diagnostic Imaging	9	4	2
PharmD	1	1	1
Total	86	25	13

MEDALS/PRIZES/BURSARIES**Medals**

The following students were awarded medals, prizes and bursaries in the final MBBS examinations held in May/June 2020: A number of prizes were not awarded which was also due to the challenges brought on by the COVID-19 pandemic.

Subject Medals (All Campuses)

Overall Clinical Medal	–	Susan Graham
Obstetrics and Gynaecology Medal	–	Dherisha Lashley
Surgery Medal (shared)	–	Susan Graham
	–	Alesha Anderson
Pathology/Microbiology Medal	–	Susan Graham

Prizes

Professor Louis Grant Prize in Microbiology	–	Clo-Anna Brown
Professor S.E.H. Brooks Memorial Prize	–	Susan Graham
David B. Stewart Prize in Obstetrics & Gynaecology	–	Dherisha Lashley

Prizes awarded in the BSc Physical Therapy Programme, 2019/2020

Best Performance in Anatomy	–	Shantae Lewis
Best Performance in Physiology	–	Alicia Singh
Best Performance in Rehabilitation 1	–	Shian Ollivierre and Alicia Singh
Best Performance in Rehabilitation 2	–	Alicia Singh
Best Performance in Rehabilitation 3	–	Cheron David
Outstanding Performance in Clinical Practice	–	Shian Ollivierre
Best Performance in Medical Science 1	–	Raquel Sewell
Best Performance in Medical Science 2	–	Raquel Sewell
Best Performance in Medical Science 3	–	Raquel Sewell and Alicia Singh

Registered Graduate Students

Programmes	No. of Students 2019/2020
Diplomas	59
DM	438
DPH	30
MPH	53
Taught Masters	138
MPhil	46
PhD	51
Clinical Fellowship	11
Total	826

Graduated – Postgraduate Students

Programmes	No. of Students 2019/2020
Diplomas	2
DM	21
DPH	4
MPH	39
Taught Masters	40
MPhil	1
PhD	8
Clinical Fellowship	1
Total	116

**AC2 – TO BE THE UNIVERSITY OF FIRST CHOICE FOR
ALUMNI AND NON-STUDENT CUSTOMERS SEEKING PRODUCTS
AND SERVICES FOR ALL THINGS CARIBBEAN**

COVID-19 TELE CONFERENCES

The COVID-19 pandemic transformed the landscape for access to education in 2020. With a novel disease threatening the people of the Caribbean, the University saw a rapid increase in demand for credible information on the coronavirus and its impact. The Faculty of Medical Sciences (FMS) being the premier source of training and research in health was quick to open its doors to not only the traditional customers seeking higher education but to a regional and global audience in search of a credible “COVID-19 curriculum”.

With COVID-19 approaching, the FMS organised a teleconference on March 5, 2020 to share information on the disease – highlighting its aetiology, pathogenesis, epidemiology and prevention. This initiative was followed, a few weeks later (April 19), by another teleconference addressing aspects of “Code Red” management such as lockdown and treatment of cases. A third and final teleconference, addressing the impact of COVID-19 on children and families, was hosted on May 17. All three conferences integrated experts in their respective fields to serve as champions of effective knowledge dissemination and adoption. The conferences which remain online via You Tube (<https://www.youtube.com/uwimonamedia>) were attended by health practitioners, researchers, educators in health and other disciplines, faculty staff, students and the general public. To date they have collectively received over 58,000 views engaging local, regional and international audiences. This endeavour was seen as particularly important given what was already emerging to be pockets of misinformation in the regional and global landscape. The effort has been lauded both locally, regionally and internationally with a link to the teleconferences being added to the webpage of the Pan American Health Organization (PAHO).

FMS MUSEUM

The FMS Museum which was opened in 2018 received approximately 941 visitors, which included 760 high school visitors (representing 27 high schools, FMS students and various teaching institutions) as well as Research Days, Society for Scientific Advancement and Math Expo student visitors. The visitors included high school groups on tour of The UWI Mona campus and/or senior high school students interested in pre-Medical training information with intent to apply to the Faculty of Medical Sciences. Corporate area schools accounted for the majority of visiting institutions, however students from across the island also visited. These institutions included Annotto Bay High School (St. Mary), St. Catherine High School (St. Catherine), Vere Technical High School, Denbigh Primary, Hall Park Primary and Glenmuir High School (Clarendon), Belair High School, DeCartret College and Porus High School (Manchester), and Brown’s Town Community College (St. Ann).

Special visits included groups representing the University of Central Florida College of Medicine with the Society for Scientific Advancement and the University College Utrecht Netherlands. We also hosted the visit of Professor Simon Anderson, Director, Chronic Disease Research Centre of CAIHR, and a Professor of Population Health Sciences, Faculty of Medical Sciences, University of the West Indies, Cave Hill Campus Barbados with Professor Williams Cushley, Assistant Vice-Principal International (External Relations), Professor (Life Sciences Biomolecular Sciences) and Associate (Institute of Molecular Cell & Systems Biology) at the University of Glasgow.

The FMS Museum had also been involved in collaboration with stakeholders through The UWI Regional Blog Series Project. Two submissions were made through the Curator Ms. April Douglas, under the Blog Series theme 'Disease and Epidemics in Caribbean Societies' – the House that John Built – the TMRU and its Mission in June 2020, and Tuberculosis Public Health Campaigns in Nineteenth Century Jamaica in July 2020. Further collaboration with the Curator's Group was ongoing and current project involved the documentation of the socio-cultural impact of COVID-19 on The UWI Mona Campus.

The FMS Museum also submitted a grant application under the 2020 Ambassadors Fund for Cultural Preservation Large Grants Program. The purpose of the grant was to (1) support the conservation of an ethnographic collection on the United States contribution to and collaboration with the Jamaican Health Services and the Faculty of Medical Sciences; and (2) establish and preserve in the medical museum a special ethnographic collection on the contribution of United States organizations to the development of health in Jamaica and to the Faculty of Medical Sciences at the University of the West Indies, Mona.

AC3 – IMPROVING THE QUALITY OF TEACHING, LEARNING AND STUDENT DEVELOPMENT

TEACHING AND LEARNING

Resulting from the pandemic caused by COVID-19, major changes had to be made to the mode of teaching and learning in the Faculty and the Campus at large. All face to face teaching were suspended between March 13 and April 14, 2020. The programmes in the Faculty with clinical components, particularly the Doctor of Dentistry Surgery (DDS) programme, had significant challenges finding ways to ensure students gained the clinical experience necessary. As part of the mandate to ensure continuity with teaching and learning activities, a collective effort was made across The UWI which saw all courses, where possible, transforming their course delivery to either full online mode or blended modality. A blended approach was adopted for the clinical clerkships in the MBBS programme, with the first half of the rotation being delivered online and the second half done face-to-face. In view of the mandate by the Dental Council for the initial suspension of dental procedures and operations, the final year of the DDS programme would be delayed by six months, to April 2021.

Transition to Online Delivery

With the 'new normal' it meant that remote emergency online teaching and learning would be conducted via the Moodle Learning Management System – OurVLE and

Blackboard Collaborate Ultra. The Mona Information Technology Services was critical in supporting the transformation and played a leading role in the process.

The transition process included the following:

- Identifying key elements to support remote learning in the Faculty which included: the ability of staff to deliver their programmes in an online modality; resources available for online teaching (such as internet access, computing capabilities); and the requirements needed to transfer a programme from face to face to online.
- A series of training in the use of OurVLE, delivering lectures and/or labs via Blackboard Collaborate (BbC), creating and managing YouTube Channels; and making presentation interactive. This included training conducted by the Centre for Excellence in Teaching and Learning during March 16–31, 2020. Additionally, the Health Professions Education Unit (HPEU) collaborated with the Programmes/Schools in the Faculty to enhance the transition to emergency remote teaching, learning and assessment in the face of COVID-19 pandemic. This was facilitated through workshops, seminars, group and individual consultations during period March to July 2020. Through the implementation and conduct of the following Faculty Development Workshops, students were indirectly impacted: (1) Education Technology: Application of Digital Games for Training Medical Professionals – 40 participants; and (2) Managing your Quiz on OURVLE – seminar series of 3 workshops, up to 80 participants per session. Both workshops rated overall 4.5 [rating scale 1 (poor) to 5 (excellent)].
- Development and circulation of (a) training material and videos to staff for self-learning sessions and (b) documents to students and staff on how the Faculty would be proceeding in the new modality, as well as recording of labs such as those for Gross Anatomy and for physical therapy.
- Teaching aids, such as microphones and WebCams, were acquired to support the teaching and learning process.
- The Faculty was deliberate in its implementation of remote learning and the conduct of examinations. In doing so, it ensured members of staff were enrolled in the appropriate roles in their respective course containers and that teaching material was uploaded to OurVLE, BbC sessions were created for face to face sessions, and training was done repeatedly to ensure inclusion of all members of staff. ICT support information was also circulated to staff.

The Faculty and The UWI at large achieved a milestone that was thought to be insurmountable which was to have most of its courses delivered remotely. With this transition, the Faculty saw an increased use of the OurVLE platform with all courses having a container, lecturers registered to use the systems and receiving the necessary training, and assessments done online. The challenges encountered related to internet access (the lack thereof or stability of the services), student and lecturer access to

appropriate devices, teaching of clinical examination skills and preservation of examination integrity.

Clinical Teaching

Teaching at affiliate clinical sites was also suspended with a view of having them resumed once the pandemic was under control. With the resumption of classes on June 14, 2020, all affiliate sites utilized by the MBBS programme remained suspended, however the School of Medical Radiation Technology (SMRT) was able to proceed without much challenge based on arrangements made with private and public institutions. Nevertheless, Associate Lecturers at the various sites continued to support the online delivery of teaching, to ensure that students continued to receive the small group teaching.

Prior to the COVID-19 pandemic, accommodation arrangements for medical students at the Hotel Versailles in May Pen, Clarendon was terminated but rotations continued at the May Pen Hospital. The clinical rotations at the Savanna-la-mar General Hospital as well as the associated accommodation at CRM of the Americas were discontinued. These measures were taken to ensure tighter fiscal management while ensuring students learning experiences were not compromised. However, there were concerns about the capacity of the affiliate sites to support the clinical programmes in a manner that they had done in the past, as they had also been significantly affected by the pandemic. Repairs to the Cornwall Regional Hospital (CRH) had been lagging and the closure of the Buccaneer Hotel would produce an additional challenge when face-to-face clinical teaching resumes at that site.

STUDENT DEVELOPMENT

Inter-Professional Outreach Programme – Health Fairs

In 2020, the FMS formally adopted social accountability as one of its core values. In so doing, it agreed that through its varied educational, research and service activities the FMS would foster a culture of social responsibility and accountability that demonstrated its commitment to address the priority health concerns of the Caribbean region which it was mandated to serve. Social accountability had been a marker of quality in medical education and the inclusion of this value in the work of the Faculty would be a marker of our commitment to improving quality of teaching, learning and student development. The Inter-professional Outreach Programme had been an initiative of the Faculty to help students embrace the culture of social accountability. It was designed to bring together the health professional students within the Faculty to work as inter-professional teams in a mutually supportive environment. The outreach was organized by faculty within each the programmes of dentistry, pharmacy,

medicine, nursing and physical therapy. Students were recruited to participate in the varying health fairs organized across Jamaica targeting underserved communities facilitating experiential learning in an inter-professional setting. Activities at the health fairs included medicals, dental check-ups, medication reconciliation and dispensing, eye checks, point of care device testing such as HIV, lipids, glycosylated haemoglobin, blood glucose and prostate antigen test. The students also participated in providing health education in the promotion of healthy lifestyle practices through leaflets, presentations and activities.

The outreach programme was conducted at least four times per year. The schedule for the academic year 2019/2020 was as follows. Unfortunately, the activities were suspended due to the COVID-19 pandemic but plans had been made to offer a modified outreach to these communities following COVID-19 protocols.

Date	Health Fair	Parish	Approx No. of patients served
October 26, 2019	Walker's Wood Primary School, Walker's Wood	St. Ann	80
February 8, 2020	Christian Life Fellowship, Gordon Town Road	Kingston	60
February 29, 2020	Grant-Kennedy Learning Centre in Grant's Town,	St Mary	95
March 28, 2020*	Abilities Foundation, Constant Spring Road	Kingston	Postponed
May 17, 2020*	Women's health Network (Magotty-Catholic Health Centre)	St. Elizabeth	200
June 27, 2020*	St. Peters Anglican Church, Petersfield	Westmoreland	Postponed
October 31, 2020*	Walker's Wood Primary School, Walker's Wood	St. Ann	Postponed

*Postponed due to COVID-19 pandemic. With PPE supplies the Faculty will be able to resume.

In order to continuously provide quality healthcare, we partnered with a number of agencies. They were as follows:

Industry Partners	University Partners
Lasco Pharmaceutical Division	Howard University
Facey Commodity Limited	University at Buffalo
Indies Pharma	University of Miami
Carimed	
Pharmascience	External Health Care Professionals
Kirks Distributors	Licensed health professional within the communities supported or volunteers not associated with UWI
Pharmaceutical society of Jamaica	
National Health Fund	
Recharged Distributors Limited	

We had seen a growth in student and faculty engagement in this inter-professional outreach in the 2019–20 academic year. We had planned to increase the collaborations with the Ministry of Health and Wellness and involve more private sector partners to increase the quality of care to these and other underserved communities and at the same time enhance the quality of teaching, learning and student development.

The Faculty collaborated with the Mona School of Business & Management, through the MBA programme, to complete two projects: (1) the development of a social innovation strategy for the FMS which would be in support of the Faculty's strategic engagement with Social Accountability, and to promote a collaborative culture within and outside of the FMS; and (2) a financial analysis of the DM programme which would aid in improving programme viability and facilitate plans for expansion.

Scholarships

The Office of the Deputy Dean for Student Success had been steadfast with its support of students to help them to survive and thrive in the FMS. Financial difficulties remained a major factor that threatened the success of students in all programmes in the Faculty. It was a major source of distress and distraction threatening our students' retention, progression, and academic excellence. Two sources of scholarships for MBBS students came through the desk from benefactors and alumni thereby reducing financial distress for several students. The Nyle Stewart Memorial Scholarship was awarded to the outstanding 2nd year Physical Therapy student. Students were also directed to the Office of Student Financing and Billings, where they could access some financial support, or reorganize their payment plan to allow some reprieve in their financial pressure. Through solicitations from the alumni, and

giving promotions of the UWI, the realization of more scholarships to the students of all programmes was also anticipated.

Academic Advising

Academic advising was reorganised, in order to allow each student in the FMS to have access to an academic advisor. The preparatory training of staff members had occurred in October-December 2018. A new form had been devised to be used throughout the Faculty so that the Office of Student Success would be able to compare and contrast information gathered on students from the different programmes. Most programmes had either started or refined their activities although implementation had been affected since the onset of the COVID-19 pandemic. In the interim, the system of students opting to see the Personal and Professional Development Officers or the Programme Coordinators to enhance the student support system continued. The Dean's Award ceremony was held in October 2019 with Miss Dahlia Harris as the guest speaker, encouraging the students to continue to pursue excellence.

Student support continued to be crucial as there had been major uncertainty with respect to continuation of the programmes at all levels, the risk of clinical work, the readjustment to the home environment, and coping with major change in social relations. Compounding all this was the fact that life continued, thus students experienced death and loss in their immediate space, finances became even more uncertain, and housing for some students became insecure. The year had been busy and as the pandemic continued, there would be new challenges in how we continue to support our students in order for them to thrive.

AC4 IMPROVING THE QUALITY, QUANTITY AND IMPACT OF RESEARCH DEVELOPMENT

RESEARCH AND INNOVATION

Guided by the development of a new strategic plan for research in the FMS, the Unit had been in a process of reorganization since October 2019, under the leadership of Deputy Dean, Graduate Studies & Research. The process focused on a reorientation and scaling up of research support for the FMS which included the following:

Faculty Research Development

An initiation began with the engagement of leadership and faculty of the UWI School of Nursing, Mona (May-July 2020) to design and pilot a model for research mentorship and support, with the aim of expanding research output. The model also focused on sustainability, through the identification and development of new research

leaders and coaches within the School. Resource materials were developed to support the process: 'Converting Your Thesis to a Manuscript: A Brief Guide' and 'Your Guide to Writing a Short Article'. Notably, some early outcomes of the engagement included:

- Development of nine (9) research hubs to support research working groups around specific subject areas



- Increased access to research support – via online methods – WJC & Mona Campuses incorporated;
- Identifying skill sets of research hub/team members;
- Identifying [new] research leaders – being coached and supported by senior team;
- Technical support for conversion of thesis to manuscript;
- Team initiation activities – identification and publication of short articles.
- Team initiation activities across research hubs blossomed into a number of 'low hanging fruits':
 - i. Development of a blog 'Mind Matters' [**Mental health hub**] [<https://mymindmattersuwiso.wixsite.com/mindmatters/post/ways-to-boost-our-mental-health>]
 - a. Focusing on a healthier and more resilient "new normal": Ways to boost our mental health (July 23, 2020); Authors: Monique Lynch, Veroina Deslandes, Sheryl Garriques-Lloyd, Heather Silvera, Sheshona Smith and Dawn Munroe
 - b. Coping with Stress – Building Resilience amid COVID-19 Pandemic (August 5, 2020); Authors: Veroina Deslandes, Monique Lynch, Sheryl Garriques-Lloyd, Heather Silvera, Sheshona Smith and Dawn Munroe
 - ii. Dialogue with the Opinion Editor at the Gleaner resulted in the publication of a series of Feature articles marking the Year of the Nurse 2020.

- a. Sedentarism – A Looming Pandemic (July 18, 2020); [**Chronic Diseases Hub**] – Authors: Andrea McPherson and Joyette Aiken – <http://jamaica-gleaner.com/article/commentary/20200718/andrea-mcpherson-and-joyette-aiken-sedentarism-looming-pandemic>
- b. COVID-19 and the Public Health Nurse – Sunday (August 2, 2020); [**Chronic Diseases Hub**] – Author: Valerie Noble Myrie – <http://jamaica-gleaner.com/article/commentary/20200802/valerie-noble-myrie-covid-19-and-public-health-nurse>
- c. Need To Address Issues To Stem Turnover of Nurses – Monday (August 10, 2020); [**Professionalism Hub**] – Author: Carlene Simpson – <http://jamaica-gleaner.com/article/commentary/20200810/carlene-simpson-need-address-issues-stem-turnover-nurses>

Additionally, the following article was published in the *Jamaica Observer* newspaper:

- d. Expand school nurse role, increase pay (July 31, 2020); [**Chronic Diseases Hub**] – Author: Antoinette Barton-Gooden – http://www.jamaicaobserver.com/editorial/expand-school-nurse-role-increase-pay_199737
- ii. Led in the staging of the 28th Faculty of Medical Sciences Annual Research Conference & Workshops [Chair of Organizing Committee: **Dr. Christine Walters**]

FMS hosted 28 consecutive annual conferences including the last staging in November 2019 under the theme “**Genomics in Health: Medical, Ethical and Societal Matters**”. The conferences and workshops were used as a vehicle to stimulate research within the Faculty as well as across faculties, campuses and internationally. It had been a successful tool for the meeting of the minds, giving opportunities for the cross fertilization of ideas and potential collaborations.

The invited speakers were renowned researchers, both locally and abroad, in their respective disciplines. For the 2019 staging, the customary distinguished lecture to honour Sir Kenneth Standard was delivered by Professor Franklyn Prendergast, a Jamaican by birth, who was Rhodes Scholar (1969–71), recipient of the UWI Distinguished Alumnus Award in 1991 and recently named one of Mayo’s Distinguished Alumni.

Opportunity was also provided to showcase the research of emerging academics within the Faculty and beyond. As such, the conference remained one of the largest continuing medical education activities. However, despite the quality of the product, there had been challenges in securing industry sponsorship and departmental support as well as boosting the attendance of students and faculty members, among other administrative concerns.

Even ahead of the current COVID-19 health crisis, we had already begun discussions on the discontinuation of the conference in its current format. Whether this

discontinuation would be a mere hiatus or eventually a permanent hold had not been decided. In its place, at least for the time being, it is proposed to host a series of capacity building workshops across the Faculty, the first of which was held in July 2020.

These efforts served to maintain engagement in the publication process, while providing an opportunity for UWISON faculty to contribute to national and global dialogue on issues affecting health care and service. Work continued, with other articles in preparation.

Research Activity

The programme for the Reduction of Maternal and Child Mortality (PROMAC) continued to be offered through a grant from the European Union in conjunction with the Faculty and the Ministry of Health & Wellness. There were a number of residents who benefitted and continued to benefit from the programme through training at various hospital sites including the University hospital of the West Indies. The programme also had a research component for which a draft technical report was in preparation on the “Incidence, Risk Factors and Outcome of Prematurity in the Jamaican Population” [Project Coordinator: **Dr. Jasneth Mullings**; Project Statistician: **Dr. Christine Walters**].

American Public Health Association – 2019 Annual Meeting and Expo (November 2–6); Community Health Planning and Policy Development Program.

Member of the Essential National Health Research Committee since April 2020: **Dr. Christine Walters** assisting in the conduct of COVID-19 related research.

Members of staff in the School of Medical Radiation Technology had established collaborative research partnerships with internal and external stakeholders on issues of relevance to science, medicine, and the profession, and have submitted papers for peer-review publication across a range of areas.

PUBLICATIONS

Work initiated through the Office of the Deputy Dean for Graduate Studies & Research included:

Books

- **Jasneth Mullings** (Editor) Affette McCaw Binns, Camille-Ann Thoms-Rodriguez and Tomlin Paul (Co-Editor) Antoinette Barton-Gooden (Asst. Editor). Title: *Strategies to Reduce Hospital Mortality in Lower and Middle Income Countries (LMICs) and Resource-Limited Settings*, (September 25, 2019); DOI:

10.5772/intechopen.73957; ISBN: 978-1-83962-225-0. Available from: <https://www.intechopen.com/books/strategies-to-reduce-hospital-mortality-in-lower-and-middle-income-countries-lmics-and-resource-limited-settings>

Book Chapters:

- **Jasneth Mullings**, Camille-Ann Thoms-Rodriguez, Affette M. McCaw-Binns and Tomlin Paul. Introductory Chapter: Mortality and Quality of Care Systems in LMICs in Strategies to Reduce Hospital Mortality in Lower and Middle Income Countries (LMICs) and Resource-Limited Settings. IntechOpen, DOI: 10.5772/intechopen.86804.

Peer-Reviewed Manuscripts:

- Danielle Nelson, D.M., Geoffrey Walcott, D.M., **Christine Walters**, Ph.D., Frederick W. Hickling, D.M. Community Engagement Mental Health Model for Home Treatment of Psychosis in Jamaica. *Psychiatric Services in Advance* (doi: 10.1176/appi.ps.201900063).
- Arvind Babu R. Santosh, James R. Collins, Thaon Jones, Michael Brache, Milagros Toro, Sona Tumanyan, **Christine Walters**, **Sharon White**, and Augusto Elias-Boneta The SmoCar Study: A Caribbean-Based Multicenter Study on the Prevalence and Disparities Linked to Smoking and Gingival Health. *Int Q Community Health Educ.* 2020 Jul;40(4):321–330. doi: 10.1177/0272684X19895901. Epub 2019 Dec 22.
- M Gossell-Williams and **T Paul**. (2020). Introducing medical students to pharmacovigilance through a basic research skills special study module. *International Journal of Risk & Safety in Medicine.* 31:81–87. (Journal Impact Factor = 1.2).
- **Paul TJ**, Taylor TA, Rajendra Santosh AB. (2020) The potential of saponin from Jamaica's *Blighia sapida* (ackee) as a substitute for sodium lauryl sulphate in toothpaste. *Med Hypotheses.* 2020;137:109555. doi:10.1016/j.mehy.2020.109555.

RESEARCH CONTRIBUTION BY DEPARTMENTS/SCHOOLS/UNITS

Department	Refereed Journal Articles	Presentations - Conferences/ Scientific Meetings	Books & Monographs (b)//Book Chapter (bc)	Technical Reports
Basic Medical Sciences	31	18	–	–
Child & Adolescent Health	24	31	–	1
Community Health & Psychiatry				
Medicine	11	13	–	–
Microbiology	7	25	2b	1
Obstetrics & Gynaecology	3	6	–	–
Pathology	11	7	4bc	–
Surgery, Radiology, Anaesthesia & Intensive Care	12	22	–	-
Caribbean Institute for Health Research	30	32	1b	5
Dean's Office			1bc	
School of Dentistry	12	1	1b	–
UWI School of Nursing	5	9	7bc	–
Mona Ageing & Wellness Centre	10	6	–	–
Hugh Wynter Fertility Management Unit	3	2	–	–
Total	159	172	4(b), 12(bc)	7

Inaugural Lectures

The decision was made to revive the hosting of the inaugural professorial lectures within the Faculty as one of the strategies to heighten the research interest in the Faculty through staff development. The first in the series was the hosting of Professor Jennifer Knight-Madden's inaugural lecture on *"Sickle Cell Disease and Asthma, the Journey: Improving Lives through Research, Clinical Care and Teaching"*. Professor Paul Brown's inaugural lecture was slated to be next; however, this staging was postponed due to the COVID-19 pandemic.

ALIGNMENT

AL1 – PROMOTE GREATER ACTIVISM AND PUBLIC ADVOCACY

ANSWERING A CALL TO ACTION – THE UWI/MOHW HEALTH CORPS VOLUNTEER PROGRAMME

March 10, 2020 marked the beginning of unprecedented period in Jamaica's history when the first case of COVID-19 was diagnosed. With the effects of the pandemic clear for all to see via various media platforms, Jamaica would needed all hands on deck to battle this unseen scourge. This led to the Ministry of Health and Wellness' (MOHW's) call for volunteers which included a request for the involvement of the Faculty of Medical Sciences. This call was answered, initially by students in the MBBS programme on March 20, 2020 and was later extended to all other schools in the FMS, through, the MBBS students accounted for most volunteers. After preparatory work, The UWI/MOHW Health Corps initiative officially began operation on April 6, 2020 with 70 volunteers. The operations took place within the already established Call Centre on the Mona Campus which required some programming and networking to fit within the MOHW's national operation.

The students played varying roles in the success of this programme such as call agents, floor/ shift supervisors, human resources personnel among others, under the supervision of a coordinator Dr. Tana Ricketts-Roomes a clinician and member of faculty. They prepared standard operating procedures and documents after being trained by the MOHW. While their initial mandate was to service the MOHW's quarantine app and make call-backs to members of the public who called the MOHW's COVID hotline, their role evolved into helping the public for a wide range of health and social issues. Their tenure began with a backlog of over 7,000 calls which were brought up to date in less than 2 months. Students also assisted in various health departments, National Emergency Operations Centre and the National Epidemiology Unit.

Over the 6 months of this initial engagement, over 130 volunteers were engaged with some 16,000 volunteer hours contributing invaluable service to Jamaica's COVID fight. They handled over 31,000 calls whilst garnering more hands-on experience enhancing their formal medical school training as well as achieving the satisfaction of knowing that they were a very important part of Jamaica's COVID-19 response. They also gained real life training in the non-medical aspects of such an operation.

AL2 – INCREASE AND IMPROVE ACADEMIC/INDUSTRY RESEARCH PARTNERSHIPS

HEALTH CONNECT JAMAICA

A partnership was forged with The United States Agency for International Development (USAID) and FHI360, which a non-profit organization in the United States, to launch a project to improve the accessibility of healthcare for persons living with HIV/AIDs in Jamaica. The project was dubbed “Health Connect Ja” (HCJ) and spearheaded by Dr. Geoffrey Barrow, Lecturer in the Department of Medicine.

The overarching aim of the Network – Health Connect Ja – was to expand the access to, and utilization of, HIV-specific primary health care services in the private health sector. HCJ was developed in collaboration with the Jamaica Ministry of Health and Wellness as an integrated component of the national response, ensuring the standardization of service delivery between the public and private sectors. This intervention integrates three private partners – clinicians, laboratories and pharmacies- with a central support unit at The University of the West Indies, into a hub and spoke structure. It is a prime example of partnership between academia and the health industry targeting a priority health problem adding to the bandwidth of socially accountable initiatives in the Faculty. We were on mission to end the AIDS epidemic by 2030. Analysis of the current features of the epidemic reveal the rates of progress were not rapid enough to reach epidemic control. The current estimated number of new infections was 2,100 in 2020 as compared to the required annual rate of 605 per year. In addition, the number of deaths estimated to occur in 2020 was 1,600 as compared to the required annual rate of 475 per year.

Health Connect Ja was a novel way of answering the question – how could we expand access to quality health care services. It was the first Public Private Partnership (PPP) in the area of discrete patient services within which we were directly involved at The UWI. The immense threats to health cannot be tackled by governments alone. PPPs enrich the capacity, quality and reach of public health services and help to put health in all policies promoting sustainable business models that allow for innovation. By providing the administrative hub for this PPP, the Faculty had an opportunity to expand and diversify its research and service engagement and build capacity for future applications of this model to challenges such as the non-communicable chronic diseases with the benefits of low public risk and reduced cost to these other scenarios.

The project was funded by the President’s Emergency Plan for AIDS Relief (PEPFAR) through the United States Agency for International Development (USAID) supported by EpiC project with the Ministry of Health and Wellness as a key partner.

Caribbean Association of Medical Councils (CAMC) Licensing Examination

The work of the Caribbean Association of Medical Councils (CAMC) Examination Committee chaired by Professor Russell Pierre represents an established academic-industry partnership for the Faculty which had been responsible for the administration of this the Caribbean Association of Medical Councils (CAMC) Licensing Examination biannually. The purpose of the examination was to determine eligibility for license to practice for medical graduates who originate from medical schools that were not accredited by the Caribbean Accreditation Authority for Education in Medicine and other Health Professions (CAAM-HP) but desired to practice within the CARICOM region. During the COVID-19 pandemic, the Faculty had been charged with development and implementation of a modified clinical CAMC (Part 2) examination. This modification allowed for the transition of the examination to a fully online administration in congruence with COVID-19 restrictions and precautions and would be delivered early in the new academic year.

The CAMC partnership delivered as a consultancy had enhanced the credibility of the FMS, Mona in the region as a premier medical education institution, and provided annual income generation.

The Mona Institute of Medical Sciences

The Mona Institute of Medical Sciences, as a part of the commercial operations of the Mona Health Services and under the guidance of the Dean's Office, operated as a medical facility offering a wide range of medical specialties. The Institute catered to local, regional and even international clientele. Its location afforded the University's consultants the opportunity to see their patients privately while still in close proximity to serve in their other roles. Patients were provided with consultation services which were often the starting point for further treatment such as surgery. In the year 2019/2020 we served over 10,000 patients and visitors. The Microlabs facility on-site created ease in getting laboratory tests done. Efforts were underway to link the management of the services with the HIMS system being utilized by the University Hospital of the West Indies. Patient care was of paramount importance and the team maintained its efforts to further the Institute's vision of becoming one of the best centres for ambulatory care.

AGILITY

AG1 – ESTABLISH A PHYSICAL PRESENCE OF THE UWI ON ALL CONTINENTS

Contribution to The UWI- University of Miami (UM) Sustainable Health Initiative

On October 22, 2019 Vice-Chancellor Sir Hilary Beckles and University of Miami's President Julio Frenk signed a memorandum of understanding (MOU), at the UWI Regional Headquarters in Kingston, Jamaica, which outlined collaboration between the two universities in areas including: public health, the threat of global warming, access to global technology, poverty reduction, innovation, and entrepreneurship.

The MOU allowed for specific areas of research collaboration in medical sciences focussing on applied research for the improvement of the health of the Caribbean population as it related to chronic diseases given the high morbidity and mortality rates in the region.

Vice-Chancellor Beckles called on the heads of The UWI Faculties of Medical Sciences, the School of Clinical Medicine and Research, and the Caribbean Institute for Health Research to assist with advancing this agenda by advising on joint UWI-UM research and teaching. The Latin American-Caribbean Centre was charged with coordinating this UWI-UM relationship. The Faculty had contributed to strategic planning discussions for joint (UWI-UM) research initiatives in the following areas:

- a. Women's health: Cancers and chronic diseases
- b. Climate and Health
- c. Research and training Fellowships
- d. Caribbean-wide BioBank
- e. Mobile health/telemedicine
- f. COVID policy tracker

AG4 – FOSTER A CREATIVE, CARING, ACCOUNTABLE, MOTIVATED, PROFESSIONAL (CAMP) TEAM

ESTABLISHMENT OF FACULTY TEACHING AWARD

The Faculty of Medical Sciences (FMS), Mona Campus launched its inaugural *Annual Faculty Teaching Award* in October 2019 in keeping with its strategic goal to promote greater recognition of service from staff at all levels and foster a creative,

caring, accountable, motivated, professional team. Plans were near completion for the rolling out of awards for administrative, technical and service staff.

The inaugural teaching awardee was Dr. Sonja Williams, Lecturer, Physical Therapy, Department of Basic Medical Sciences, Mona, Kingston, Jamaica. She presented a commendable teaching portfolio particularly in the areas of innovation, participation in curriculum design and development and student evaluation. In responding to challenging student outcomes, Dr. Williams created and developed teaching media (virtual tutorials; multimedia-enhanced teaching tools) which enhanced student engagement. Her use of technology-enhanced teaching was praiseworthy, and the resulting improved student outcomes were the best objective evidence of efficacy. She joined the ranks of previous trail-blazers for excellence in teaching in the Faculty of Medical Sciences, who had been recipients of the biennial UWI Guardian Life Teaching Award in the past few years (*Dean, Dr. Tomlin Paul; Dr. Sharmella Roopchand-Martin; Dr. Helen Trotman-Edwards*).

The Faculty of Medical Sciences, Mona aimed to promote excellence in teaching in all programmes (Basic Medical Sciences, Dentistry, Bachelor of Medicine Bachelor of Surgery, Nursing, Diagnostic Imaging, Doctor of Pharmacy, Physical Therapy), through encouragement and inspiration with this award. The FMS Teaching Award was exclusively for teaching and all related aspects of teaching such as developing teaching strategies and administrative processes that help create an environment in which teaching excellence is valued and fostered, and linked to effective learning.

Faculty were guided to document teaching through development of a dossier/portfolio which should include key themes or components [*Student evaluation, Peer evaluation and Self-evaluation of teaching; Teaching-related awards; Mentorship; Innovations in teaching and assessment; Scholarly activity; Curriculum design and development; Products of good teaching*]. We believe that this initiative would encourage faculty to strategically develop and track key attributes in teaching as they advance their career.

PUBLIC SERVICE/CONTRIBUTION TO UNIVERSITY/SCHOLARLY ACTIVITY

Health Professions Education Unit

Publication:

- **Pierre R**, Editor. Medulink: One Faculty, One UWI. Issue 5, December 2019. Newsletter on Medical Education for the Faculty of Medical Sciences, the University of the West Indies; available at: <https://drive.google.com/file/d/1mfqT83h8SOLHa5YwxQwh-9z3zrHTyACN/>
- **Russell Pierre**, Tana Ricketts-Roomes, Kristen Smith, Sharon Roberts, Damien Brown, Tomlin Paul. *The Role of the FMS, Mona, in Meeting the Medical Licensing*

Eligibility Needs for CAMC. Medulink: One Faculty, One UWI. Issue 5, December 2019. pp 12–13. Newsletter on Medical Education for the Faculty of Medical Sciences, the University of the West Indies; available at: <https://drive.google.com/file/d/1mfqT83h8SOLHa5YwxQwh-9z3zrHTyACN/>

- **Russell Pierre**. *Excellence in Teaching, Faculty of Medical Sciences, Mona Campus*. Medulink: One Faculty, One UWI. Issue 5, December 2019. pp 14. Newsletter on Medical Education for the Faculty of Medical Sciences, the University of the West Indies; available at: <https://drive.google.com/file/d/1mfqT83h8SOLHa5YwxQwh-9z3zrHTyACN/>
- Medulink June 2020 Issue 6; Medical Education Newsletter for the Faculty of Medical Sciences. [<https://drive.google.com/file/d/1P-UUEEBZbWAdSXj7t5MZcU-FW2zcZDx7S/view?usp=sharing>]
- Damien Brown, **Russell Pierre**. *Setting up an Online OSCE: Practical Tips & Logistics (COVID-19 Era)*. Medulink: One Faculty, One UWI. Issue 6, June 2020. pp 17–18. Newsletter on Medical Education for the Faculty of Medical Sciences, the University of the West Indies; available at: <https://drive.google.com/file/d/1P-UUEEBZbWAdSXj7t5MZcU-FW2zcZDx7S/view?usp=sharing>

STAFF MATTERS

Appointments

- *Professors of Practice* – Drs. Elizabeth Ward and Lucien Jones were the first individuals to be appointed in the capacity of Professors of Practice in the Faculty since this concept became effective at the UWI in 2015. Their appointments became effective on March 1, 2020. Both are distinguished professionals in the areas of violence prevention and road safety respectively, and would work initially through the Dean's Office to provide support on injury prevention projects and programmes towards the eventual establishment of a Centre for Injury Research and Prevention.

Promotion

Senior Lecturer

The following members of staff were promoted to the level of Senior Lecturer on August 1, 2019.

- Dr. Steve Weaver, The UWI School of Nursing.
- Dr. Simone Badal, Department of Basic Medical Sciences.

Transfer

Miss Elva Langott, Research Assistant, and Miss Kerry-Ann Crawford, Administrative Secretary, transferred from the Faculty to the Office of the Principal, Mona Campus Research Ethics Committee – August 1, 2019.

Awards

FMS Teaching Award

- Dr. Sonja Williams for recognition of her all-round excellence in teaching, development of teaching strategies and administrative processes.

Staff Development

The following members of staff successfully completed training as follows:

- Miss Sharon Roberts – MA in Higher Educational Management
- Miss Joycelin Hyatt-Rowe – MA Higher Education: Student Personnel Administration
- Miss Adellia Nelson – MSc Human Resource Development

Obituaries

The Faculty mourned the passing of the following persons:

- Professor Barrie Hanchard, CD, Senior Lecturer, Department of Pathology- August 1, 2019.
- Dr. Nabin Boudaik, retired Senior Lecturer, Department of Microbiology- October 10, 2019
- Professor Emeritus Eccleston Kean, retired Professor, Department of Basic Medical Sciences – May 2, 2020.
- Professor Frederick Hickling, CD, retired Professor, Department of Community Health & Psychiatry – March 7, 2020.
- Professor Emeritus Reginald Carpenter, retired Professor, Department of Surgery, Radiology, Anaesthesia & Intensive Care – May 20, 2020.

Despite the challenges brought on by the COVID-19 pandemic, the Faculty remained focused and committed to providing world class teaching, research and service, and to increase its presence on the global stage by identifying and implementing strategies which included the drive to improve its financial viability, re-vision its research enterprise and become more socially accountable in its operations. The COVID-19 pandemic provided a platform for reflection and iterative engagement within the academy as we move forward in support of the strategic goals of The UWI.



DEPARTMENT OF BASIC MEDICAL SCIENCES

Professor Jean-Pierre Louboutin, MD, PhD – Head of Department

Vision of the Department

A multidisciplinary Department promoting excellence in teaching and research in Basic Medical Sciences at the regional and international levels.

Mission of the Department

To advance student development by improving the quality of teaching and to foster biomedical research and its dissemination at the Caribbean level and beyond.

MAIN POINTS FOR ACADEMIC YEAR 2019/2020

- Increase number and level of publications (AC4)
- Foster multimedia/ICT teaching (AG5-AC3)
- Transparency and accountability in financial operations (AG2)
- Pave the way for new infrastructure (AG3-AC3-AC4)
- Increase competitiveness and partnership (AL2)

WORK OF THE DEPARTMENT

The department was faced with different challenges during the year 2019/2020. The first challenge was to find new modalities for cleaning the Faculty of Medical Sciences Teaching and Research Complex (FMSTRC) building which is a very large building. In June 2019, the Janitorial company, SuperPeople, who was employed to clean the FMSTRC withdrew their services due to nonpayment of bills. The support staff was asked to assist, and accepted the additional job duties in exchange for financial compensation. An agreement was reached with HRMD. However, the full extent of the implementation of these additional job duties was never really implemented due to the COVID-19 pandemic.

The second problem we encountered was linked to the delivery of supplies for teaching and research. We had to cope with a 20% reduction of the budget (with a reduction of 50% of Laboratory supplies compared to 2018–2019). This continuous decrease in the resources is affecting the quality of teaching, excellence in research and completion of basic administrative tasks. Thanks to the help of the Bursary, the issue of outstanding bills for some suppliers was resolved, but not for all of them. At some point in the near future, without any improvement, we will not be able to guarantee the continuity of our Mission.

Thirdly, as a consequence of the infestation of mold in the University of the West Indies School of Nursing (UWISON), some teaching and administrative activities of UWISON were relocated to the FMSTRC until the issue could be resolved. This decision was taken after discussion with the FMS Dean's Office. At the present time, these activities still take place in the building.

However, the major event experienced this year was the COVID-19 pandemic. The department then experienced a major shift in its operations with the onset of COVID-19. The department and the UWI in general was ordered closed by the Jamaican government on Thursday, March 12, 2020 as a safety measure. Teaching, mainly online, resumed on April 14, 2020. We remained closed until June 1, 2020 when we resumed on a Flexi work system. Staff were rostered, accordingly, to ensure that all the spaces are fully managed. All exams were delivered online.

STAFF AWARDS AND PROMOTIONS

- Dr. Rachael Irving was promoted to the rank of Professor in September 2019 and is now Professor of Biochemistry and Sport Science.
- Mr. Kimloy Douglas was appointed in the post of Records Management Officer effective August 1, 2019.
- Dr. Stacy Stephenson-Clarke, Dr. Cheryl Stewart and Ms. Garsha McCalla were appointed Lecturers in the Biochemistry Section, Mona Western Jamaica Campus and Physiology, respectively.
- Dr. Simone Badal was promoted to Senior Lecturer effective August 1, 2019 in recognition of her performance to date.
- Dr. Simone Badal was one of eight candidates included in the shortlist for the Nature 2020 Driving Global Impact Award to be posted on their website shortly.
- Dr. Jacqueline Campbell received a renewal of contract on Indefinite Tenure as Lecturer effective August 1, 2020 in recognition of her performance to date.
- Mrs. Carole Lindsay was promoted to the level of Lecturer effective August 1, 2020 in recognition of her performance to date.

- Dr. Simone Sandiford was offered a Renewal of Contract for Three Years as Lecturer effective August 1, 2020 in recognition of her performance to date.
- Congratulations to Drs. Sherline Brown and Stacy Stephenson Clarke for their excellent rating of 4.98 and 4.86, respectively for the course, Molecular Microbiology (MICR3214) taught in Semester 1, 2019/2020.
- Ms. Paula McCarthy was promoted to Chief Laboratory Attendant in the Pharmacology Section.
- Ms. Garsha McCalla received the Basic Medical Sciences Award for Best Oral Presentation presented at the Faculty of Medical Sciences 28th Annual Research Conference & Workshops, The University of the West Indies, Mona, Kingston, November 7–10, 2019.
- Dr. Sonja Williams received the Faculty of Medical Sciences Inaugural Teaching Award in November 2019 in recognition of her all-round excellence in teaching, development of teaching strategies and administrative processes.
- Ms. Shakera Sharpe and Ms. Shanique Roberteson were employed as Secretary 3 and to act as Library Assistant 3 in August 2019, respectively.

ACCESS

STUDENTS

Undergraduate Students Registration

BB Med Sci.

Year 1 = 25

(Physiology Major)

Year 2 = 4

Year 3 = 6

(Anatomy Major)

Year 2 = 20

Year 3 = 15

(Pharmacology Major)

Year 2 = 16

Year 3 = 27

BAMS1002 = 29 and BAMS1005 = 29

BSc – Physical Therapy

Year 1 = 42

Year 2 = 42

Year 3 = 47

Total = 131**Graduated**

43 students graduated in October 2019 with the BSc Physical Therapy

PharmD (Registrations in BMS courses)

Year 1 = 34

Year 2 = 26

Year 3 = 20

Year 4 = 18

Year 5 = 16

MSc – Physical Therapy

Total = 6

MBBS/ DDS

Year 1 = 280

Year 2 = 260

FST (Registrations in BMS courses)**Year 1****Semester 1**

BIOC 1020 = 230

BIOC 1021 = 172

MICR 1010 = 290

MICR 1011 = 290

Semester 2

BIOC 1020 = 125

BIOC 1021 = 95

MICR 1010 = 290

MICR 1011 = 290

Year 2**Semester 1**

BIOC 2014 = 126

Semester 2

BIOL 2312 = 157

MICR 2211 = 146

Year 3**Semester 1**

BIOL 3312 = 86

BIOC 3013 = 79

MICR 3213 = 95

MICR 3214 = 28

BIOT 3113 = 45

MICR 3215 = 39

MICR 3216 = 9

Semester 2

BIOC 3011 = 78

BIOC 3014 = 46

BIOC 3413 = 7

BIOL 3313 = 45

BIOT 3114 = 36

BIOT 3116 = 15

Post Graduate Students Registration**Taught Masters**

MSc Forensic Science = 19

MSc Physical Therapy = 6

Research

MPhil = 25

PhD = 24

PharmD

Year 1 = 34

Year 2 = 26

Year 3 = 20

Year 4 = 18

Year 5 = 16

POSTGRADUATE DEGREES AWARDED**MPhil**

2019 **Nyron Nembhard** – The Hypoglycaemic and Hypotensive Effects of *Alysicarpus vaginalis* (Medina) in Normal Healthy Sprague-Dawley Rats

PhD

2020 **Allison Sugrim** – Public Health (March 23, 2020)
Faculty of Medical Sciences, UWI, Cave Hill Campus, Barbados.

MSc

MSc FSCI (Chemistry)	1
MSc FSCI (Mol Biology)	6
MSc FSCI (Pathology)	1
MSc (Toxicology)	1

MSc. Biomedical Research – Mario Jackson 2020, research project entitled, “Assessing the cytotoxic effect of unknown fungal extracts from the *Laguncularia racemosa* against PC-3 cells.”

IMPROVING QUALITY OF THE TEACHING

Before the closure of the Department in March due to COVID-19, we developed novel ways for teaching and assessing students in collaboration with MITS, particularly Students Response Systems (SRS)s. For example, the Sections of Anatomy and Physiology have been familiar with clickers for assessing students since few years. We first used hardware devices (clickers) using infrared radiations, and more recently smart devices such as cell phones (Figure 1). Apps such as Socrative have been used as well. The goal of this approach is to increase the interaction with the students and their participation during Labs/Tutorials/Lectures.

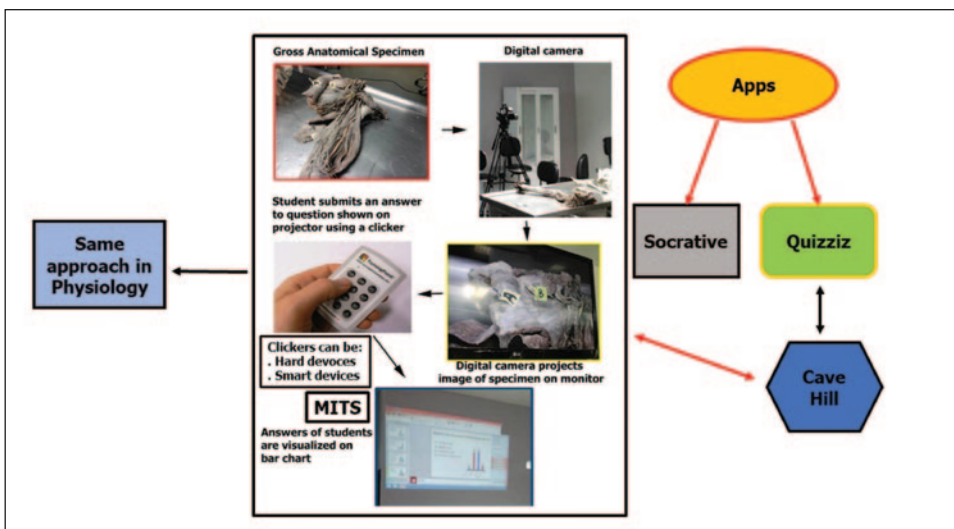


Figure 1: Novel Assessment of Students in Anatomy by using clickers and apps with MITS

We also previously established a partnership with the Cave Hill Campus to foster Cross Campus Teaching of Anatomy, as well more recently with the St Augustine Campus. Smart devices allow us to extend the approach first developed in Mona/WJC to other campuses (Figure 2).

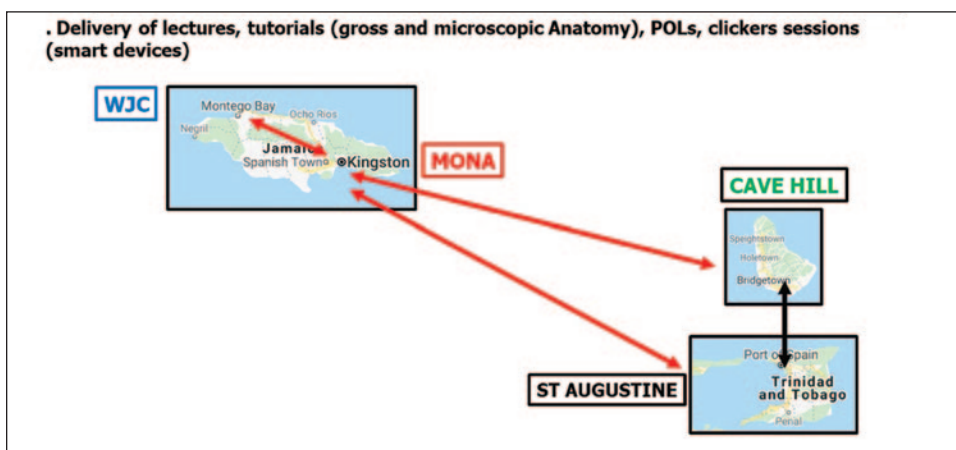


Figure 2: Cross-Campus Delivery of Anatomy in Undergraduate MBBS Curriculum Using Education Distance Learning

After closure of campus, we had to switch to online teaching. Even if the Academic Staff received an excellent training from the MITS Staff, we faced several challenges. Some of the Lecturers did not have access to the proper OurVLE container. There were some connectivity problems for both students and Academic Staff. However, delivering Lectures improved with time. We started recording Labs/Tutorials about 2 weeks before resuming teaching, but we realized that the files that we recorded were extremely large and had to be edited then uploaded in a YouTube channel before being delivered to students. Both processes were extremely time-consuming but we managed to record all remaining Labs/Tutorials in a timely manner. Examinations were held online and minor problems were encountered.

PUBLICATIONS

Refereed Journal Articles

- I Ali, M Mundle, JJ Anzinger and **SL Sandiford** (2019). Tiger in the sun: A report of *Aedes albopictus* in Jamaica. *Acta Tropica*. 199:105112 PMID 31351894 <https://www.sciencedirect.com/science/article/abs/pii/S0001706X19306187>. (Journal Impact Factor 2.6).
- **CR Nwokocha**, J Palacios, VR Rattray, G McCalla, M Nwokocha, and D McGrowder (2020). Protective effects of apocynin against cadmium toxicity and serum parameters; evidence of a cardio-protective influence. *Inorganica Chimica Acta*. 503: 119411. DOI <https://doi.org/10.1016/j.ica.2019.119411>. (Journal Impact Factor = 2).

- **SKP Williams** and K Burton (2019). Older Adults' Attitudes to Ageing: The Jamaican Perspective. *Caribbean Journal of Psychology*. 11: 5. (Journal Impact Factor = NA).
- **M Gossell-Williams** and T Paul. (2020). Introducing medical students to pharmacovigilance through a basic research skills special study module. *International Journal of Risk & Safety in Medicine*. 31:81-87. (Journal Impact Factor = 1.2).
- L Graham, **M Gossell-Williams**, J Tapper and R Melbourne-Chambers (2019). Sleep disorders and behavioral disorders in Jamaican children with epilepsy: A case-control study. *Epilepsy & Behavior*. 99:106477. (Journal Impact Factor = 2.5).
- **MD Gossell-Williams** (2020). Enhancing undergraduate pharmacology course content through antimicrobial stewardship digital badge integration. *National Journal of Physiology, Pharmacy and Pharmacology* 10:442-3. (Journal Impact Factor = 0.2).
- R Ramnath and **M Gossell-Williams** (2020). Comments on: "A Systematic Review and Metaanalysis of the Adverse Effects of Levonorgestrel Emergency Oral Contraceptive". *Clinical Drug Investigation* 40:589-90. (Journal Impact Factor = 2.2).
- **TR James**, CT Watson and **DJ Pepple** (2020). The effect of delta-9-tetrahydrocannabinol and cannabidiol on p50 of the oxygen haemoglobin dissociation curve. *Fitoterapia*. 143:104539. doi: <https://doi.org/10.1016/j.fitote.2020.104539>. (Journal Impact Factor=2.3).
- **S Badal**, KS Campbell, **H Valentine** and C Ragin (2019). The need for cell lines from diverse ethnic backgrounds for prostate cancer research. *Nature Review Urology*. 16:691-692. (Journal Impact Factor=9.3).
- **S Badal**, W Aiken, B Morrison, **H Valentine**, **S Bryan**, A Gachi and C Ragin (2020). Disparities in prostate cancer incidence and mortality rates: solvable or not? *The Prostate*. 80:3-16. (Journal Impact Factor=3.6).
- Z Zhao, H Fowle, **H Valentine**, Z Liu, Y Tan, J Pei, **S Badal**, JR Testa and X Grana (2020). Immortalization of human primary prostate epithelial cells via CRISPR inactivation of the CDKN2A locus and expression of telomerase. *Prostate Cancer Prostatic Disorder*. doi: 10.1038/s41391-020-00274-4 (Journal Impact Factor=4.3).
- **VU Nna**, GA Ujah, JB Suleiman, M Mohamed, **C Nwokocha**, TJ Akpan, HC Ekuma, VV Fubara, CB Kekung-Asu and EE Osim (2020). Tert-butylhydroquinone preserve testicular steroidogenesis and spermatogenesis in cisplatin-intoxicated rats by targeting oxidative stress, inflammation and apoptosis. *Toxicology*. 152528. (Journal Impact Factor: 3.6).

- ECD Barbosa, A Ramirez, E Beaney, P Lopez-Jaramillo, R Hernández-Hernández, B Eibel, F Lanas, E Penaherrera, M Marin, J Boggia, J Ortellado, E Gomez, E Sánchez, A Bryce, O Valdez, H Beistline, **C Nwokocha**, K Connell, A Barrientos, F Wyss, J Kenerson, NR Poulter (2020). May measurement month 2017: Latin America. *Journal of hypertension*, 38:1183-1188. (Journal Impact Factor: 4.7).
- T Beaney, AE Schutte, GS Stergiou, C Borghi, D Burger, FJ Charchar, S Cro, A.B.Diaz, Damasceno, A., Espeche, W.G. and Jose, A.P., Michael H Olsen, Kristin T West-Gustave, PD Levy, VWY Lee, KL Connell, N NH Hammoudi, P Bovet, B Viswanathan, S Perl, BK Kramer, AJB Brady, OO Oladapo, J Chifamba, DY Goshu, DM Kassie, SA Gebru, TA Ibrahim, S Kabirou, E Tavassoli, M Zolfaghari, V Yavari, L Mishchenko, O Matova, T Kolenyk, L Zelenenka, S Fedorov, M Dorobantu, A Paval, J Bittman, B Mangat, S Melville, A Leung, N Jessen, E Dolan, HNA Itoh, APathak, TLM De Backer, AS Postadzhiyan, OV Valoy-Tiburcio, AR Gonzalez-Medina, LG Valdez-Valoy, FS Wyss, E Mirrakhimov, SK Nadar, AI Barrientos, **CR Nwokocha**, et al. (2020). May Measurement Month 2019: The Global Blood Pressure Screening Campaign of the International Society of Hypertension. *Hypertension*. 76:333-341. doi: 10.1161/HYPERTENSIONAHA.120.14874. (Journal Impact Factor = 7.1).
- **CR Nwokocha**, J Palacios, VR Rattray, G McCalla, M Nwokocha and D McGrowder (2020). Protective effects of apocynin against cadmium toxicity and serum parameters; evidence of a cardio-protective influence. *Inorganica Chimica Acta*. 503: 119411. (Journal Impact Factor = 2).
- **CR Nwokocha**, EE Bafor, OI Ajayi and AB Ebeigbe (2020). The Malaria-High Blood Pressure Hypothesis: Revisited. *American Journal of Hypertension*. 33:695-702. doi: 10.1093/ajh/hpaa051. (Journal Impact Factor: 3.4).
- KA Logan, **H Asemota**, C Nwokocha, MA Lawrence, R Thompson, M Nwokocha and M Bakir (2020). The Effects of Synthesized Semicarbazone Copper Complex on Blood Pressure in Normotensive and L-NAME Induced Hypertensive Rats. *Journal of Biotechnol ogy and Biomedicine*. 3: 067-077. (Journal Impact factor = 1.6)
- F Cifuentes, JR Palacios, **C Nwokocha**, J Bórquez, MJ Simirgiotis, I Norambuena, M Chiong and A Paredes (2019). Polyphenolic Composition and Hypotensive Effects of *Parastrephia quadrangularis* (Meyen) Cabrera in Rat. *Antioxidants*. 8: 591. doi: 10.3390/antiox8120591. (Journal Impact Factor = 5).
- M Nwokocha, CA Romero, C Holder, N Whyllie, H Wong, J Lietch, R Wilks, M Hosang, S Francis, **PD Brown**, T Paul, W Abel, E Barton, R Wils and **C Nwokocha** (2019). Blood Pressure Screening Campaign in Jamaica: May Measurement Month 2017. *American journal of Hypertension*. 32:1186-1191. (Journal Impact Factor: 3.4).

- TF Rambaran, NAC Nembhard, CS Bowen-Forbes and **RL Alexander-Lindo** (2020). Hypoglycemic Effect of the Fruit Extracts of Two Varieties of *Rubus rosifolius*. *Journal of Food Biochemistry*. e13365, DOI.org/10.1111/jfbc.13365 (Impact Factor = 2).
- SC Turfus, A Mansingh, J Smith, **RL Alexander-Lindo** and S Roopchand-Martin (2019). Supplementation practices, perceptions and knowledge about anti-doping among Jamaican high school athletes. *Performance Enhancement and Health*.7: 100145 DOI: 10.1016/j.peh.2019.07.001. (Journal Impact Factor = 2).
- SR Foster, LL Dilworth, J Sparks, **RL Alexander-Lindo** and FO Omoruyi (2019). Combined Inositol Hexakisphosphate and Inositol Supplement Consumption Improves Serum Alpha-Amylase Activity and Hematological Parameters in Streptozotocin-Induced Type 2 Diabetic Rats. *Advances in Pharmacological Sciences*, Article ID 4143137, 7 pages, <https://doi.org/10.1155/2019/4143137>. (Journal Impact Factor = 2.5).
- A Khan, **PDA Singh**, PB Reese, J Howden, M Golding and T Thomas (2020). Investigation of the preliminary mechanism of action for the acute anti-inflammatory activity of the methanol extract of *Smilax ornata* Lem. *Journal of Ethnopharmacology*. 248, 112360. (Journal Impact Factor: 3.115).
- A Khan, **PDA Singh**, PB Reese, J Howden, M Golding and T Thomas (2019). Investigation of the anti-inflammatory and the analgesic effects of the extracts from *Smilax ornata* Lem. (Jamaican sarsaparilla) plant. *Journal of Ethnopharmacology*. 240:111830. (Journal Impact factor: 3.115).
- SO Cawich, **MT Gardner**, M Barrow, S Barrow, D Thomas, V Ragoonanan, A Mahabir, R Ali and V Naraynsingh (2020). Inferior Hepatic Fissures: Anatomic Variants in Trinidad and Tobago. *Cureus*. 2020;12: e8369. doi: 10.7759/cureus.8369. (Journal Impact factor: 1.9).
- SO Cawich, RRA Ali, **MT Gardner**, J Charles, S Sandy, NW Pearce and V Naraynsingh (2020). Hepatic surface grooves in Trinidad and Tobago *Surgical and Radiological Anatomy*. doi: 10.1007/s00276-020-02540-5. (Journal Impact Factor = 1.2).
- **MT Gardner**, SO Cawich, YZheng, **R Shetty** and DE Gardner (2020). Morphology of the caudate lobe of the liver in a Caribbean population. *Italian Journal of Anatomy and Embryology*. 124: 364-376. (Journal Impact Factor = 0.3).
- J Hordeaux, C Hinderer, EL Buza, **JP Louboutin**, T Jahan, P Bell, JA Chichester, AF Tarantal and JM Wilson (2019). Safe and sustained expression of Human Iduronidase after intrathecal administration of adeno-associated virus serotype 9 in infant Rhesus Monkeys *Human Gene Therapy*. 30:957–966. doi: 10.1089/hum.2019.012. (Impact factor = 3.7).

- SO Cawich, P Johnson, **MT Gardner**, NW Pearce, A Sinanan, M Gosein and S Shah (2020). Venpus drainage of the left liver: an evaluation of anatomical variants and their clinical relevance. *Clinical Radiology*. DOI 10.1016/j.crad.2020.07.039 (IJournal impact factor = 2.1)
- DA McGrowder, FG Miller, **CR Nwokocha**, MS Anderson, **C Wilson-Clarke**, K Vaz, L Anderson Jackson and J Brown (2020). Medicinal herbs used in traditional management of breast cancer: Mechanisms of action. *Medicines*. 7:47. <https://doi.org/10.3390/medicines7080047>. (Journal Impact factor = 2.1).
- R Davis and **P D Brown** (2019). “*spoT*-mediated stringent response influences environmental and nutritional stress tolerance, biofilm formation and antimicrobial resistance in *Klebsiella pneumoniae*”. *APMIS* 128: 48–60. <https://doi.org/10.1111/apm.13006>.

Number of peer-reviewed papers: 31.

Average impact factor: 2.7.

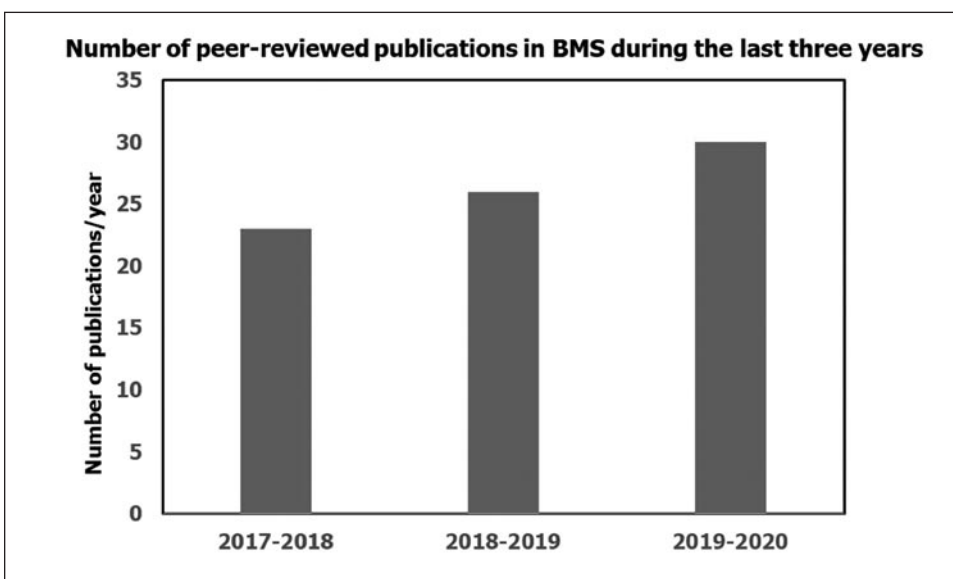


Figure 3. Graph showing the evolution of peer-reviewed publications in the years 2017 to 2020.

ALIGNMENT

PAPERS PRESENTED AT SCIENTIFIC MEETINGS

The COVID pandemic resulted in the decrease in the number of Scientific Meetings, and consequently, in the numbers of papers, as well as of Abstracts, presented at these meetings.

- **G McCalla, PD Brown, WC Cole, C Campbell, and CR Nwokocha.** Tissue specificity of cadmium on vascular proteins. 28th Faculty of Medical Sciences Annual Research Conference & Workshops. Faculty of Medical Sciences Teaching and Research Complex, University of the West Indies, Mona, Kingston, November 7–10, 2019.
- **S Williams (2019).** Attitude towards older adults and ageing: the UWI Mona Undergraduate Physiotherapy Students' Perspective Poster Presentation, Faculty of Medical Sciences Annual Research Conference, November 2019. The UWI, Mona.
- **T Kennedy-Dixon, S Muir, J McKenzie, C Wilson-Clarke, J Prout and M Gossell-Williams.** Low frequency of major potential warfarin-drug interactions among patients attending a specialized anticoagulation clinic in Jamaica. *Caribbean Association of Pharmacists 39th Annual Convention* held August 12–18, 2019 in Orlando, Florida.
- **H Valentine, W Aiken, W Chin, E Thompson, M Young, K Campbell, X Grana and S Badal.** The establishment of a Jamaican primary prostate cancer explant. Presented at the AC3 conference, Jamaica Pegasus, October 2019.
- **DA Peddie and RL Alexander-Lindo (2019).** A Bioassay-Guided Study into the Hypoglycaemic Effect of Fatty Acids Isolated from the Rhizomes of *Smilax balbisiana* (Chainy Root). The University of the West Indies, Faculty of Medical Sciences, 28th Annual Research Conference & Workshop. Faculty of Medical Sciences Teaching & Research Complex (November 7–10, 2019).
- **DK Daley, T Yee, PB Reese and RL Alexander-Lindo (2019).** Potential Functional Foods and Nutraceuticals from Hypoglycaemic Compounds Isolated from *Eucalyptus camaldulensis*.
- **Diabetes Canada and the Canadian Society of Endocrinology and Metabolism (CSEM) Professional Conference and Annual Meetings** Winnipeg, Manitoba (October 2–5, 2019).
- **SJ Bryan, DA McGrowder, TP Dasgupta, and RL Alexander-Lindo (2019).** Pharmacological Effect of S-Nitrosoglutathione (GSNO) with an inhibitor in a rat model. International Diabetes Federation Conference 2019, BEXCO, Busan, South Korea (December 2–6, 2019).
- **PD Brown (2020).** “Detection and Management of Foodborne Risks”. World Food Safety Day. National Compliance and Regulatory Authority, Kingston, Jamaica, June 8, 2020. (Invited speaker)
- **PD Brown (2020).** “Leptospirosis: Of rats, dogs and horses”. Association of Consultant Physicians of Jamaica webinar, Kingston, Jamaica, June 14, 2020. (Invited speaker)

POSTERS PRESENTED AT SCIENTIFIC MEETINGS

- R Layne-Yarde, K Clarke, P Facey and **SL Sandiford**. American Society of Tropical Medicine and Hygiene, National Harbor, MD, USA (2019). Identification and molecular characterization of plant extracts as novel larvicidal agents against *Aedes aegypti* mosquitoes in Jamaica.
- **M Gossell-Williams**, M Palmer, DL Riley, M White, R Baker, S Ennis, J Guthrie, I Hemmings, T Hoe, C Johnson and J Levene. Introducing medical students to pharmacovigilance through a basic research skills special study module. In: *Proceedings of the 28th Annual Research Conference held November 7th, 2019 University of the West Indies, Mona Campus. West Indian Medical Journal*, ABSTRACT P-10.
- **T James, D Pepple** and C Watson (2020). The Effect of Delta-9-Tetrahydrocannabinol and Cannabidiol on Blood Flow and Blood Pressure. *The FASEB Journal*, 34(S1), 1-1. doi: 10.1096/fasebj.2020.34.s1.06499 accepted for poster presentation at Experimental Biology 2020 – January 29, 2020. Abstract published in FASEB journal, April 18, 2020.
- **S Williams** (2019). Attitude towards older adults and ageing: the UWI Mona Undergraduate Physiotherapy Students' Perspective. Poster Presentation, Faculty of Medical Sciences, Annual Research Conference, November 2019.
- **S Bryan, D McGrowder, T Dasgupta** and **RL Alexander-Lindo**. International Diabetes Federation (IDF) Congress. Pharmacological effect of S-nitrosoglutathione (GSNO) with an inhibitor in a rat model. Busan, South Korea. December 2–6, 2019.

ABSTRACTS

- DK Daley-Beckford and **RL Alexander-Lindo**, TH Yee and PB Reese (2019). Potential Functional Foods and Nutraceuticals from Compounds Isolated from *Eucalyptus camaldulensis*. *Canadian Journal of Diabetes* 43(7): S 41 Doi: 10.1016/j.jcd.2019.07.
- **DA Peddie** and **RL Alexander-Lindo** (2019). The Hypoglycaemic Potential of Sterols Isolated from the Rhizome of *Smilax balbisiana* (Chainy Root) in Normal Healthy Sprague-Dawley Rats. *Jamaican Journal of Science & Technology*, 29(4): 49.
- SR Foster, LL Dilworth, FO Omoruyi and **RL Alexander-Lindo** (2019). Combined Inositol Hexakisphosphate and Inositol displays anti-diabetic and antioxidant properties in Streptozotocin-induced Type 2 Diabetic Rats. *Jamaican Journal of Science & Technology*, 29(4): 47.

COLLABORATIONS/PARTNERSHIPS WITH OTHER INSTITUTIONS

- Collaboration with Cave Hill and St. Augustine campuses for cross-campus teaching of Anatomy
- Work performed in other Universities:
 - Simone Badal (Summer 2020, Fox Chase Center, Philadelphia, USA)
 - JP Louboutin and R Shetty (December 2019–January 2020, University of Pennsylvania, USA)

PUBLIC SERVICE**Professor Jean-Pierre Louboutin**

- Member of Editorial Boards of 27 journals
- Review of Grant projects for the Executive Unit for Financing Higher Education, Research, Development and Innovation, Romania.

Professor Paul Brown

- International Member (at Large), Council on Microbial Sciences, American Society for Microbiology (ASM)
- Staff mentor, American Society for Microbiology (ASM)/UWI Student Chapter
- President, WIGUT (Jamaica)
- Council member, International Society of Infectious Diseases (ISID)
- Member, Research Subcommittee, International Society of Infectious Diseases
- Associate Editor in Infectious Diseases, *Frontiers in Medicine, Microbiology and Public Health*
- Review Editor in Infectious Diseases, *Frontiers in Medicine, Microbiology and Public Health*
- Review Editor in Antimicrobial Resistance, *Frontiers in Antimicrobials, Resistance and Chemotherapy*

Professor Wayne McLaughlin

- Board member, Cannabis Licensing Authority

Professor Dalip Ragoobirsingh

- Ministry of Health, Jamaica (MOH) – Panel member on Technical Advisory Committee, The Chronic Diseases and Injuries Unit updating the National Guidelines for the management of diabetes.
- Pan American Health Organization Special Technical Committee to revise and update the nutrient requirements and recommended dietary allowances (RDAs) for the populations in the English speaking Caribbean.

AGILITY

INCOME GENERATION/FUNDING

Research Grants:

- S Badal. NIH, Emerging Global Leader Award K43, TW011387-01A1, \$500,000 USD, 2020, over five years for project, “Novel prostate cancer cell lines to address prostate cancer disparity in Black men.”
- Five million Jamaican Dollars from the Ministry of Health and Wellness RESEARCH FORWELLNESS FUND FOR INTERVENTION 2020. For Mental Health Intervention Using Community Health Aides. Chief investigator; Professor Wendel Abel. Co-Investigators: Dr. Daniel Oshi, Dr. Radlien Craig, Dr. Chukwuemeka Nwokocha and Dr. Patrice Whitehorn-Smith.
- L Lindo 2020. An Investigation on the Hypoglycaemic and Hypotensive Effects of *Rhytidophyllum tomentum* (search-mi-heart) on Normal Sprague-Dawley Rats. Funded by Mona Campus Research and Publications and Graduate Awards. (J\$367,634.61)
- L Lindo 2019. Biologic Activity of Crude Extracts from the Bark of *Colubrina arborescens* (Mauby). Funded by Mona Campus Research and Publications and Graduate Awards. (J\$300,000.00)
- L Lindo 2019. “Phytochemical Investigation, Hypoglycaemic and Hypotensive Effects of *Plectranthus blumei* in Sprague-Dawley Rats. Funded by Mona Campus Research and Publications and Graduate Awards. (US\$3,000.00)

The PharmD Programme received a grant from Chase in the amount of J\$18,500,000 to construct a Sterile Lab for the Pharmacy Programme. The Basic Medical Sciences over the years has significantly improved its facilities and continue to invest in its infrastructure to keep pace with the global teaching space. Within this large upgrade, the faculty has identified the need to improve the Pharmacy Department by implementing a Sterile Compounding Pharmacy (CSP) Laboratory to support teaching, research and public health. Sterile compounding is the preparation of custom medications free of any contaminants or particles to maintain patient safety. Currently, insufficient attention is placed on the training of pharmacy students in this specialization due to the lack of the required sterile spaces needed to facilitate hands-on training locally. A lab of this kind would be the first in the English-Speaking Caribbean. Consequently, the Pharmacy Programme at the UWI deems it a necessity to incorporate this level of training for its student body, as well as providing training for practicing pharmacists who are interested in specializing in CSP.

A grant of US\$10,000 was also received from Roche Pharmaceuticals through Dr. Cameil Wilson-Clarke and Dr. Jacqueline Campbell. The Drug Information and Pharmacovigilance Unit submitted this proposal for services to support development of a clinical portal. Based on the understanding of the scope, the outlined proposal covers the development and maintenance of a pharmacovigilance watch regarding the management of patients approved for Herceptin use in HER2 Positive Breast Cancer patients in hospitals in Jamaica. This is in association with Roche and NHF.

Hand Sanitizer: J\$3000/gallon for sale. Developed in response to COVID-19 pandemic to support the FMS, UWI Campus, NHF and Office of the Prime Minister. Dr. Cameil Wilson-Clarke, Programme Director, Doctor of Pharmacy Programme Lecturer, Section of Pharmacology & Pharmacy, Department of Basic Medical Sciences, Faculty of Medical Sciences, University of the West Indies, Mona Campus.

NHF – Personal Protective Equipment for FMS staff who were involved in COVID-19 activities

MISCELLANEOUS

Purchase of new IT equipment for teaching. New equipment was purchased to increase the quality of teaching and the cross-campus collaboration.

Guidelines for cleaning in response to the COVID pandemic

In response to the SARS/CoV-2 pandemic the campus created a document entitled “Draft framework for operations during the COVID pandemic”. The Department of Basic Medical Sciences was asked to make submissions regarding:

- Enhanced sanitizations for facilities;
- Management of routine cleaning;
- Cleaning of equipment;
- Specialized cleaning/sanitization.

The Guideline for Routine Cleaning of the FMSTR Complex 2019 was submitted via the Joint Committee on Health and Safety chaired by Dr. PD Brown. Much of the content is now a part of the Mona Campus policy guide “Towards Implementing an Enhanced Sanitation Programme for Facilities Post COVID-19”.



DEPARTMENT OF CHILD AND ADOLESCENT HEALTH

Dr. Roxanne Melbourne Chambers, MBBS (Hons), DM (Paeds) – Head of Department

VISION

All Caribbean children achieving optimal physical, socio-emotional and mental health thereby ensuring a healthy productive adult population.

MISSION

To provide high quality child and family centered health care through service delivery, teaching and research.

WORK OF THE DEPARTMENT

The Department of Child and Adolescent Health continues to strive towards excellence in clinical service, research, intellectual leadership, advisory and community services and training of undergraduate students and postgraduate doctors. The academic staff is comprised of four professors, three senior lecturers and three lecturers as well as six full-time associate lecturers (University Hospital of the West Indies). There are twenty-three associate lecturers in peripheral clinical training sites who support teaching of medical students in seven public hospitals. There are two members of administrative staff and one office attendant. In-patient clinical services are delivered through two paediatric medical wards and a newborn special care unit which includes a neonatal intensive care unit. Out-patient clinical services are delivered through general and sub-specialty clinics in adolescent medicine, cardiology, development and behaviour, endocrinology, haematology and oncology, infectious diseases, neonatology follow-up, nephrology, neurology, and pulmonology and a Paediatric Casualty.

The Department offers two undergraduate courses as part of the MBBS programme, the 4-week Junior Clerkship in Paediatrics (part of the Aspects of Family Medicine course) in year 3 of the MBBS programme and the 10-week Senior Clerkship in year 5 of the MBBS programme. There were 266 junior students and 301 senior students who completed the Child and Adolescent Health rotations over the last year.

There is a postgraduate programme in Paediatrics (Doctor of Medicine in Paediatrics) with students registered in Jamaica and in the Bahamas. There were 46 postgraduate students registered in the DM Paediatrics programme during the academic year 2018–2019. Thirty-five students were registered in Jamaica and 11 students were registered in the Bahamas. Due to the COVID-19 pandemic, the DM Part 1 and part 2 examinations were rescheduled from May/June to November/ December 2020.

The Department also offers a fellowship in Neonatology. One candidate was successful in the Fellowship examination held in November/December 2019. There is also the Post-graduate diploma in Loss Grief and Trauma Management. Five students completed the programme in 2018–2019 and 7 commenced the programme in September 2019. There is also a postgraduate Diploma in Adolescent Health and Advocacy which commenced in 2019. Four candidates successfully completed the Diploma in June 2020.

Staff of the Department also teach courses in child and adolescent health related areas and provide research and clinical supervision to students enrolled in undergraduate programmes in Nursing and Midwifery and postgraduate programmes in Biomedical Research, Clinical Psychology, Education, Nutrition, Family Medicine, Epidemiology and Public Health.

The emergence of the COVID-19 pandemic necessitated a change in focus of the Department's activities in the second half of the academic year 2019–2020. This included:

- a. The immediate and seamless transitioning to delivery of courses online.
- b. Sensitization, training and outreach related to COVID 19, including the organization of three symposia and the delivery of related lectures by several faculty members.
- c. Research activity and grant applications relevant to the coronavirus pandemic.

ACCESS

STUDENTS

- Efforts made to enhance the quality of teaching, learning and student development
 1. During the academic year 2019–2020, to enhance the clinical skills training of medical students in the Junior clerkships in Paediatrics of the MBBS programme, the Department instituted small group teachings with simulated training on critical clinical skills. This innovation was rated highly by students and preceptors.

2. Grand Rounds presented by Professor Upton Allen, Hospital for Sick Children, Canada on “Covid 19 Update – Passive and Active Immunity, What do we know?”. July 23, 2020.
 3. Collaborative academic presentations in the DM Paediatrics programme involving sister campuses in the Bahamas and at Cave Hill and St. Augustine. These were presented virtually and included lectures from guest faculty from Vanderbilt University including Dr Kirk Thame, Paediatric Gastroenterologist, the Hospital for Sick children, Canada and Joe di Maggio Children’s Hospital, USA.
- **Innovations to Improve Access**

Pierre RB, Director of Medical Education, Faculty of Medical Sciences, Health Professions Education Unit, FMS 2018–to date

Newly rebranded Health Professions Education Unit beginning August 2018.

Overall aim: The promotion, development, implementation and monitoring of health professions’ education initiatives with special emphasis on faculty and staff continued professional development, research in health professions education, accreditation and quality enhancement, curriculum development, and interprofessional collaboration.

Achievements [August 2019 to July 2020]

- Implementation and conduct of Faculty Development Workshops [Education Technology: Application of Digital Games for Training Medical – 40 participants; Managing your Quiz on OURVLE – seminar series of 3 workshops, up to 80 participants per session] rated overall 4.5 [rating scale 1 (poor) to 5 (excellent)]

Publications:

- Medulink December 2019 Issue 5; Medical Education Newsletter for the Faculty of Medical Sciences, Editor [<https://drive.google.com/file/d/1mfqT83h8SOLHa5YwxQwh-9z3zrHTyACN/>]
- Medulink June 2020 Issue 6; Medical Education Newsletter for the Faculty of Medical Sciences. [<https://drive.google.com/file/d/1P-UEEBZbWAdSXj7t5MZcU-FW2zcZDx7S/view?usp=sharing>]
- Consultations: Faculty of Medical Sciences, all Programmes: workshops, seminars, group and individual consultations on transitioning to emergency remote teaching, learning and assessment during period March to July 2020, due to COVID-19 pandemic.

Postgraduate

The Neonatal team developed a strategic plan for the academic year 2019–2021 and in keeping with the mission to deliver family centred, optimal patient care and empower our staff, while nurturing a culture of research in order to inform health care delivery, accomplished the following objectives during the 2019–2020 academic year:

- Developed and conducted training sessions in Neonatal Resuscitation for Paediatric Residents in the DM Paediatrics programme and nursing staff in Child and Adolescent Health and Obstetrics and Gynaecology.
- Developed and executed a comprehensive workshop on Mechanical Ventilation of the Neonate for Paediatric Residents in the DM programme, which will provide residents with an understanding of respiratory physiology, the fundamentals of mechanical ventilation and empower them to tailor the ventilatory strategies appropriately to the underlying pathophysiology, thereby improving patient outcomes.
- Nurtured a partnership with the Jamaica Statistical Society to provide Data Analysis training for residents in the DM Paediatrics, Obstetrics and Gynaecology and Paediatric Surgical programmes, which will be held at the beginning of 2021. The Neonatal team at the UHWI wishes to position the unit as the quaternary referral centre for Jamaica and the Caribbean basin. The first three of these strategic goals seek to improve the quality of education, skills development and learning experience for the Residents in the DM Paediatric programme while equipping them with the skills to provide improved patient care. This thrust, aligns well with the Triple A ‘Access’ strategy which focuses on positing the institution to be the University of choice by improving the quality of teaching, learning and student development.

Prizes

- 2020: **Aileen Lue**: DM Post Graduate Year 4 Paediatric Resident, a Research Travel Grant from UWI’s Post Graduate Studies’ Department, to attend and to present her oral paper, the first in the 3-day conference, on “Severe Dengue in Hospitalised Jamaican Children” at the Third International Conference on Zika Virus and Aedes-Related Infections Conference, 13th to 16th February 2020, Washington DC, United States of America.
- 2020: **Makeda Archer**: DM Post Graduate Year 1 Obstetric Resident, a Research Travel Grant from UWI’s Post Graduate Studies Department, to attend and to present her paper on “Outcomes of Dengue in Hospitalised Pregnant women and their babies” at the Third International Conference on Zika Virus and Aedes-Related Infections Conference, 13th to 16th February 2020, Washington DC, United States of America.

- 2019: Evans-Gilbert T. Scholarship to attend and present at the Annual International Meeting of the Institute of Human Virology. Poster presentation October 2019 Lost and Linked to Care. A 6-year longitudinal default tracking program of HIV exposed infants in Western Jamaica P-104 Baltimore Maryland

HONOURS AND AWARDS:

- **Christie CDC:** Selected among “70+ Outstanding UWI Women”, representing Graduating Class of 1979, to celebrate “UWI at 70” Exhibition Opening and Award Ceremony, Institute of Gender and Development Studies, Regional coordinating Office, UWI Vice Chancellery, 2019.
- **Christie CDC.** Award UNAIDS/ Ministry of Health and Wellness, Jamaica, for innovation and research, 2020.

ACCESS

PUBLICATIONS

Peer Reviewed Publications

- Ades AE, Thorne C, Soriano-Arandes A, Peckham CS, Brown DW, Lang D, Morris JG, **Christie CDC**, Giaquinto C. “Researching ZIKA in pregnancy: lessons for global preparedness”. *Lancet Infectious Diseases*, Vol 20, Issue 4; April 2020; Pages e61-e68. [https://doi.org/10.1016/S1473-3099\(20\)30021-9](https://doi.org/10.1016/S1473-3099(20)30021-9).
- **Celia D.C. Christie**, Thompson T, Webster-Kerr K. (2020) “COVID-19 War Games in the Caribbean – Round One”. *COVID-19 Pandemic* 01(04): 68–76.
- Ades AE, Alexander N, Brickley E, for the ZIKAction, Zika PLAN and ZIKAlliance pregnancy cohort studies group (viz: **Christie CDC**, Anzinger J., Morris G., et al) “Zika virus infections in pregnancy: A protocol for the joint analysis of the prospective cohort studies of the ZIKAlliance, ZIKAPLAN and ZIKAction International Consortia”. *Lancet Infectious Diseases*, submitted, April, 2019.
- Webster-Kerr K., Harris AA, Wellington I, Grant A, Wiggan J, Williams-Lue S, Anzinger JJ, **Christie CDC**. “Zika-affected Pregnancy Outcomes in Jamaica, 2016 to 2018”. For re-submission, *Emerging Infectious Diseases*, 2019.
- **Evans-Gilbert T**, Lewis-Bell KN, Figueroa JP. The Caribbean Immunization Technical Advisory Group (CITAG); A unique NITAG. *Vaccine*. Oct 2019;37(44):6584-6587. doi:10.1016/j.vaccine.2019.09.032
- Andrus JK, **Evans-Gilbert T**, Santos JI, et al. Perspectives on Battling COVID-19

in Countries of Latin America and the Caribbean. *Am J Trop Med Hyg.* [published online ahead of print, 2020 Jun 9]. ;10.4269/ajtmh.20-0571. doi:10.4269/ajtmh.20-0571

- Shelly-Ann Williams, **Tracy Evans-Gilbert** (Corresponding Author), Gail Reid & Dianne Campbell-Stennett Lost and linked to care: a 6-year longitudinal default tracking program of a cohort of infants exposed to HIV in Western Jamaica, *Vulnerable Children and Youth Studies*, May 2020, DOI: 10.1080/17450128.2020.1762956
- **Harrison AN**, James Bateman CCB, Younger-Coleman NOM, Williams MC, Roche KD, Clato-Day Scarlett SC, Chang SM. Disordered eating behaviours and attitudes among adolescents in a middle-income country. *Eat Weight Disord.* 2019 Nov 18. doi: 10.1007/s40519-019-00814-5. Epub ahead of print. PMID: 31741253.
- James Bateman C, **Harrison A.** 'Father Hunger?' *Engaging fathers in the eating disorder recovery process: a developing country's perspective.* Book: *Treating Black Women with Eating Disorders: A Clinician's Guide.* Edited by Charlynn Small and Mazella B. Fuller. Taylor & Francis. DOI: 10.4324/9781003011743-10
- Graham L, Gossell-Williams M, **Tapper J, Melbourne-Chambers R.** Sleep disorders and behavioral disorders in Jamaican children with epilepsy: A case-control study. *Epilepsy Behav.* 2019 Oct;99:106477. doi: 10.1016/j.yebeh.2019.106477. Epub 2019 Aug 16. PMID: 31425974.
- **Pottinger AM**, Bailey A, Passard N. Archival data review (2007-2017) of Intimate Partner Homicide-Suicide in Jamaica: A focus on mental health concerns and community response. *Pan American Journal of Public Health.* 2019 43:e99. <https://doi.org/10.26633/RPSP.2019.99>
- [Abstract] Thompson M, Carroll K and **Pottinger AM.** Fertility desire of persons living with HIV and the obstetrician/gynaecologist's knowledge, attitudes and practices: a Jamaican perspective. *BJOG: An International Journal of Obstetrics and Gynaecology*, 2019; https://doi.org/10.1111/1471-0528.21_15703
- **Pierre R**, Editor. Medulink: One Faculty, One UWI. Issue 5, December 2019. Newsletter on Medical Education for the Faculty of Medical Sciences, the University of the West Indies; available at: <https://drive.google.com/file/d/1mfqT83h8SOLHa5YwxQwh-9z3zrHTyACN/>
- **Russell Pierre**, Tana Ricketts-Roomes, Kristen Smith, Sharon Roberts, Damien Brown, Tomlin Paul. The Role of the FMS, Mona, in Meeting the Medical Licensing Eligibility Needs for CAMC. Medulink: One Faculty, One UWI. Issue 5, December 2019. pp 12–13. Newsletter on Medical Education for the Faculty of Medical Sciences, the University of the West Indies; available at: <https://drive.google.com/file/d/1mfqT83h8SOLHa5YwxQwh-9z3zrHTyACN/>

- **Russell Pierre.** Excellence in Teaching, Faculty of Medical Sciences, Mona Campus. Medulink: One Faculty, One UWI. Issue 5, December 2019. pp 14. Newsletter on Medical Education for the Faculty of Medical Sciences, the University of the West Indies; available at: <https://drive.google.com/file/d/1mfqT83h8SOLHa5YwxQwh-9z3zrHTyACN/>
- Damien Brown, **Russell Pierre.** Setting up an Online OSCE: Practical Tips & Logistics (COVID-19 Era). Medulink: One Faculty, One UWI. Issue 6, June 2020. pp 17–18. Newsletter on Medical Education for the Faculty of Medical Sciences, the University of the West Indies; available at: <https://drive.google.com/file/d/1P-UEEBZbWAdSXj7t5MZcU-FW2zcZDx7S/view?usp=sharing>
- Bach MA, **Samms-Vaughan M**, Hessabi M, et al. Association of Polychlorinated Biphenyls and Organochlorine Pesticides with Autism Spectrum Disorder in Jamaican Children. *Res Autism Spectr Disord.* 2020;76:101587. doi:10.1016/j.rasd.2020.101587
- Olusanya BO, Wright SM, Nair MKC, et al (**Samms-Vaughan M**). Global Burden of Childhood Epilepsy, Intellectual Disability and Sensory Impairments. *Pediatrics*, July 2020; 146 (1):e20192623.
- Reece JA, McCauley M, McCaw-Binns A, White SA, **Samms-Vaughan M**, & van den Broek N. Maternal morbidity: a longitudinal study of women’s health during and up to 22 months after pregnancy in Jamaica, *Psychology, Health & Medicine*, 2020; 25:6, 687–702, DOI: 10.1080/13548506.2019.1691243
- Saroukhani, S., **Samms-Vaughan, M.**, Lee, M., Bach, M. A., Bressler, J., Hessabi, M., Grove, M. L., Shakespeare-Pellington, S., Loveland, K. A., Rahbar, M. H. Perinatal Factors Associated with Autism Spectrum Disorder in Jamaican Children. *Journal of Autism and Developmental Disorders*, 2019, 50, 3341–3357. PMC7080579

ABSTRACTS OF ORAL PRESENTATIONS:

- Pierre RP, Moore JA, **Christie CDC***(oral presenter). “Achieving the WHO’s “90-90-90” objectives in a Paediatric and Adolescent HIV/AIDS cohort”, University Hospital of the West Indies, Jamaica. Caribbean Adolescent Health Congress, Trinidad, 2019.
- Orrigio K. Pierre RB, Gordon-Harrison D., Lewis-O’Connor K., Gordon-Strachan G., **Christie CDC***(oral presenter). “Clinical Epidemiology of Sexually-acquired HIV/AIDS in Jamaican Children and Youth”. Caribbean Adolescent Health Congress, Trinidad, 2019.
- Aileen Lue, **Celia DC Christie**, Georgiana Gordon-Strachan, Michelle-Ann Dawson-Richards, Syed Matthew Kodilinye, Jacqueline Dunkley-Thompson,

- Chadwic Mears, Joshua Anzinger, Tracia James-Powell, Curtis Pryce, John Peter Figueroa. “Severity and Outcomes of Dengue in Hospitalized Children from Five hospitals in Jamaica during the 2018-2019 epidemic: Is this due to antibody dependent immune enhancement from ZIKA virus exposure?” Oral, Platform Presentation. Third International Conference on Zika Virus and Aedes Related Infections Conference, 13th to 16th February 2020, Washington DC, United States of America.
- Karen Webster-Kerr, Ardene Harris, Iyanna Wellington, Cathi-Ann Williams, Jovan Wiggan, Amanda Roussea, Lesley-Ann James, Andriene Grant, Joshua Anzinger, **Celia CD Christie**. “Trends in Dengue over 40 years – The Jamaican experience”. Oral, Platform Presentation. Third International Conference on Zika Virus and Aedes Related Infections Conference, 13th to 16th February 2020, Washington DC, United States of America.
 - **Christie CD***(oral presenter), Thorne C., for the ZIKAction Research Consortium. “Overview and Preliminary Results of the Zika Vertical Transmission Study in Jamaica”. 3rd International ZIKA and *Aedes*-related Conference, Washington D.C., United States of America, February 13–16, 2020.
 - **Christie CD**. “Financial update – International AIDS Society”. International AIDS Society, Governing Council and Member’s Meeting, Virtual International Conference, Washington 2019 and California 2020.

TECHNICAL REPORTS

- **Samms-Vaughan M**. Towards a National System of Early Years Care and Support. UNICEF Publication. March 2020.

PUBLICATIONS IN THE PUBLIC INTEREST

- **Samms-Vaughan M**. Life for Jamaican parents of children with disabilities. UNICEF blog. July 25, 2019. <https://blogs.unicef.org/jamaica/life-jamaican-parents-children-disabilities/>

ALIGNMENT (PRESENTATIONS)

Peer-Reviewed Academic Presentations

- Rahbar, M. H., **Samms-Vaughan, M.**, Lee, M., Zhang, J., Bach, M. A., Bressler, J., Hessabi, M., Grove, M. L., Shakespeare-Pellington, S., Beecher, C., McLaughlin, W., Loveland, K. A. *Interaction between a Mixture of Heavy Metals (Lead, Mercury, Arsenic, Cadmium, Manganese, Aluminum) and GSTP1 in Relation to Autism Spectrum Disorder*. 2019. Denver, CO. 2019 Joint Statistical Meetings, July 27–August 1, 2019.

Non-Peer Reviewed Academic Presentations

- **Bailey K.** *Knowledge and Attitudes towards Asthma Triggers in Children with Doctor Diagnosed and Undiagnosed Asthma in Jamaica*. The 4th Biennial Jamaica Statistics Symposium and Pre-Conference Workshop Series October 29–November 1, 2019 in Kingston, Jamaica.
- **Christie CD***(oral presenter), Thorne C, et al. “*Jamaica VT study and Arboviruses*”. ZIKAction Consortium Meeting. Guayaquil, Ecuador, 7–8 November 2019.
- **R. Melbourne Chambers, C.D. Christie***(oral presenter). « *The Neuro-developmental Outcomes of Jamaican Children with Clinical Perinatal Chikungunya Infection at 5 yrs: A Case Control study*”. ZIKAction Consortium Meeting. Guayaquil, Ecuador, 7–8 Nov 2019.
- **Christie CDC.** “*Novel Coronavirus Epidemic in China: What’s known? What’s unknown?*” Paediatric Grand Rounds, Dept of Child and Adolescent Health, at UHWI/UWI – Mona Campus, Thursday, 30 January 2020.
- **Christie CDC.** “*Novel 2019-Coronavirus Epidemic: What’s known? What’s still unknown?*” Paediatric Association and Medical Association Conference, PAJ/MAJ at MAJ Offices, Windsor Ave, Kingston, Jamaica, Thursday, 6 February 2020.
- **Christie CDC.** “*COVID-19 Pandemic Preparedness: Turning our Fears into Action*”. COVID-19 Pandemic Preparedness Conference, COVID-19 Conference Series - #1, Faculty of Medical Sciences Teaching and Research Complex, Lecture Theatre 3, Thursday, 5 March, 2020.
- **Christie CDC.** “*Unravelling the Natural History of COVID-19*”. COVID-19: Approaching Code Red Teleconference, COVID-19 Conference Series – #2, Faculty of Medical Sciences, UWI, Mona Campus, 17 April, 2020.
- **Christie CDC.** “*COVID-19 in Children*”. COVID-19 Clinical UHWI Virtual Conference # 1 – Session 2, University Hospital of the West Indies, Mona, Kingston 7, Jamaica, 6 May, 2020.
- **Christie CDC.** “*COVID-19 in Children of the Caribbean*”. COVID-19: Impact in Children; COVID-19 Conference Series – #3, Faculty of Medical Sciences, UWI, Mona Campus, 16 May, 2020.
- **Christie CDC.** “*COVID-19 in the Caribbean: Clinical Case Management*”. Commonwealth Medical Association (CMA) Webinar, supported by the Commonwealth Secretariat and World Health Organization (WHO), on “Regional Clinical Management of COVID-19: Perspectives from Canada, W. Africa, the Caribbean, E. Africa, Asia and Europe”, 1 July, 2020.

- **Christie CDC.** “*COVID-19 in the Caribbean: Epidemiology, Clinical Management and Outbreak Control*”. Distinguished Covid-19 Lecture Series, University of Toronto, 31 Jul, 2020.
- **Williams SA, Evans-Gilbert T** (presenter), Reid G, Campbell- Stennett D. *Lost and Linked to Care. A 6-year longitudinal default tracking program of HIV exposed infants in Western Jamaica* P-104.1 21st Annual International Meeting of the Institute of Human Virology. October 3-4, 2019 Baltimore Maryland.
- **T Evans-Gilbert, K Lewis-Bell, B Irons, P Duclos, G Gonzalez-Escobar, E Ferdinand, JP Figueroa.** *A review of immunization legislation and vaccine coverage in Caribbean countries* Accepted as oral presentation the 65th Annual CARPHA Health Research Conference. Accepted for oral presentation June 2020 Postponed due to COVID.
- **T Evans-Gilbert, K Lewis-Bell, B Irons, P Duclos, G Gonzalez-Escobar, E Ferdinand, JP Figueroa** Management of imported cases of measles to the Caribbean. Oral Presentation. *PAHO MEETING OF EXPERTS FOR PREVENTION OF NOSOCOMIAL TRANSMISSION OF MEASLES AND RUBELLA.* 19–20 September of 2019, Bogotá – Colombia.
- **Harrison A.** *Child Development & Parenting.* Women’s Centre of Jamaica Foundation, Counsellor and Caregiver Training. Melia Braco Village, Trelawny. August 14, 2019.
- **Harrison A.** *Parenting for Change: Coaching the Adolescent Mother.* Women’s Centre of Jamaica Foundation, Counsellor and Caregiver Training. Melia Braco Village, Trelawny. August 14, 2019.
- **Harrison A.** *Understanding the ALHIV Perspective.* HIV/STI/TB UNIT, Min. of Health and Wellness Quarterly Review. Treatment Care and Support National Technical Working Group Meeting. Hilton Rose Hall Resort & Spa, Montego Bay. November 6, 2019.
- **Harrison A.** *Teen Development & Common Issues Facing Teens.* Association of General Practitioners of Jamaica. Adolescents and Ethics Conference. Alhambra Hotel. November 10, 2019.
- **Harrison A.** *Adolescents in long term curfew.* Faculty of Medical Sciences, Mona, UWI. Covid-19 Symposium series. May 2020.
- **Melbourne Chambers R.** *The approach to the management of Headaches in Children.* Second Annual Paediatric Symposium – Cornwall Regional Hospital. January 26, 2020.
- **Melbourne Chambers R.** *Update on the Management of Epilepsy.* Paediatric Association of Jamaica/ GlaxoSmithKline Symposium. Knutsford Hotel. Kingston. March 11, 2020.

- **Melbourne Chambers R.** *Withdrawal of Antiepileptic therapy-Challenges in Resource Poor Settings* (invited platform presentation).The ILAE-IBE North American Epilepsy Congress, invited for June 2020.
- Kadine Orrigio, **Russell B. Pierre**, Diahann Gordon-Harrison, Kaye Lewis-O'Connor, Georgiana Gordon-Strachan, **Celia DC Christie**. *Risk Factors and Outcomes of Sexually Transmitted HIV in Jamaican Children and Adolescents Aged 6 to 19 year*. Presented (invited platform presentation) at the Caribbean Congress on Adolescent and Youth Health Conference, in collaboration with the Pan American Health Organisation, October 15-17, 2019, Trinidad and Tobago.
- **Russell B Pierre**, Jacynth Moore, **Celia DC Christie**. *Achieving WHO's "90-90-90" objectives in a Paediatric and Adolescent HIV/AIDS cohort, University Hospital of the West Indies, Jamaica*. Presented (invited platform presentation) at the Caribbean Congress on Adolescent and Youth Health Conference, in collaboration with the Pan American Health Organisation, October 15–17, 2019, Trinidad and Tobago.
- **Pierre RB.** *"Teens with Chronic Illness"*. Presented (invited platform presentation) at the 9th Annual National Adolescent Health Workshop by the Ministry of Health, Jamaica in collaboration with the University of the West Indies, November 30-December 1, 2019, Riu Montego Bay Resort, Montego Bay, Jamaica.
- **Pierre RB.** *"Meet the Experts. AIDS 2020 Career Development Session"*. Platform Presentation July 8, 2020 at the 23rd International AIDS Conference (AIDS 2020) San Francisco and Oakland, US, on 6–10 July 2020.
- **Pottinger A.** *"Psychosocial challenges working with oncology paediatric patients and families"*. Paediatric Oncology Mini-symposium, Department of Child and Adolescent Health, UHWI and Jamaica Cancer Society, Mona Visitors Lodge, The University of the West Indies, September 15, 2019.
- **Reece Mills M.** *Extravasation Injuries*. Paediatric Oncology Mini-symposium, Department of Child and Adolescent Health, UHWI and Jamaica Cancer Society, Mona Visitors Lodge, The University of the West Indies, September 15, 2019.
- **Samms-Vaughan, M.** Co-ordinator of FMS Teleconference: COVID 19:Impact on Children and Families. May 17, 2020. 7,000 views as at 16/09/2020.
- **Samms-Vaughan M.** Children's Mental Health in COVID19. UWI Teleconference: COVID 19:Impact on Children and Families. May 17, 2020. 7,000 views as at 16/09/2020

ALIGNMENT (PRESENTATIONS IN THE PUBLIC'S INTEREST):

- **Christie CDC.** "The COVID-19 Pandemic". Annual Wolmer's Day Distinguished Lecture. In Honour of the Great Past Masters of Lodge Wolmer's No. 1506 SC, 26 May, 2020.

- **Christie CD.** “COVID-19 Pandemic: Medical Considerations and Relevance to the Church”. St Luke’s Anglican Church, Cross Roads, 1 March, 2020; UWI Chapel, Mona Campus, 8 March, 2020; “Anglican Togetherness Group” of five Churches, 12 Sep, 2020.
- **Evans-Gilbert, T.** Addressed the Pastors March 2020 at the West Jamaica Conference of Seventh-day Adventists regarding COVID 19 and response of the church’s activities.
- **Pottinger A.** “*Parents and children coping with COVID 19*”. Webster Memorial United Church Public Forum, June 16 2020.
- **Pottinger A.** “*Managing grief (during COVID-19)*”. Lay Magistrates Association of Jamaica, Kingston Chapter, Care and Compassion Committee, May 20 2020.
- **Pottinger A.** “*Tackling the crisis: Confidence in grief and trauma interventions by school guidance counsellors*”. Annual General Meeting, Jamaica Association of Guidance Counsellors in Education, Region One, Jamaica Teachers Association Conference Center, March 4 2020.
- **Samms-Vaughan, ME.** Guest lecturer. Churches’ Emancipation Lecture 2019. *Emancipation, the Lesson and the Legacy; Emancipating Children, Recognising Their Rights and their Challenges*. Hope United Church. July 28, 2019.
- **Samms-Vaughan ME.** Howard University/UWI/Savannah la Mar Infant Academy ECD Training Workshop Keynote Speaker. *Understanding and Responding to Children with Developmental Disabilities in Jamaica*. August 23, 2020. Savannah la Mar Infant Academy, Westmoreland.
- **Samms-Vaughan ME.** *Social and Emotional Domain: Impact on Boys Learning Experience*. Catholic College of Mandeville, Early Childhood Conference 2019. November 7, 2019.
- **Samms-Vaughan ME.** Our Lady of the Angels Preparatory School PTA. Guest Speaker. *The Importance of Play*. February 5, 2020.

Television/Radio Programmes:

- **Melbourne Chambers R.** Interview. CVM at Sunrise. Health Alert, *Cerebral Palsy*. October 7, 2019.
- **Melbourne Chambers R.** Interview. CVM at Sunrise. Health Alert. Viral Encephalitis. February 16, 2020.
- **Samms-Vaughan ME.** Interview, October 30. TVJ.
- **Samms-Vaughan ME.** Panellist. Prime Minister’s COVID19: Digital Town Hall for Children & Youth. March 24, 2020. PBCJTV.

- **Samms-Vaughan ME.** Interview. CVM at Sunrise, Health Alert: Autism. May 8, 2020.
- **Samms-Vaughan ME.** Panellist. RJR /Gleaner Virtual Town Hall Meeting. COVID-19 & Children TVJ. May 24, 2020.
- **Samms-Vaughan ME.** Interview. Doctors Appointment. Autism. TVJ. Sunday, June 7, 2020.

Social Media/Webinar Presentations

- **Samms-Vaughan ME.** UNICEF Parenting Master Class: Children with Disabilities. <https://www.facebook.com/363831203698163/videos/533857687207226>. Uploaded to Facebook January 8, 2020, also available on Twitter. 16,900 views on Facebook as at September 15, 2020.
- **Samms-Vaughan ME.** Teaching Young Children Civility: Supporting Socio-Emotional Development. Family Civility Virtual Conference. May 1, 2020.
- **Samms-Vaughan M.** Best Practices for Growing Children. Choose Life International Webinar. May 25, 2020.
- **Samms-Vaughan M.** Parenting in a Pandemic: Supporting Children's Mental Health. Ardenne High School PTA Webinar. August 9, 2020.
- **Samms-Vaughan M.** Child Sexual Abuse. Paediatric Association of Jamaica Webinar. July 9, 2020.
- **Samms-Vaughan M.** Parenting Children with Disabilities in COVID19. Instagram Live. May 27, 2020. <https://www.instagram.com/tv/CBQQTbKFxRO/?igshid=m8xp0xti2l2g> 408 views on IG Live. **** Views on Facebook post.

ALIGNMENT (PUBLIC SERVICE):

Christie CDC

- Treasurer, International AIDS Society, Geneva, Switzerland
- *Chair, Investments Committee, International AIDS Society, Geneva, Switzerland.*
- *Chair, Finance Sub-Committee, International AIDS Society, Geneva, Switzerland.*
- Member, Governing Council of the International AIDS Society, *Geneva, Switzerland*
- Member, Collaborative Initiative for Paediatric Education and Research (CIPHER), Governing Council, International AIDS Society, *Geneva, Switzerland*
- Member, Research Grant Working Group, Collaborative Initiative for Paediatric Education and Research (CIPHER), Governing Council, International AIDS Society, *Geneva, Switzerland*

- Fellow, Infectious Diseases Society of America, USA
- Fellow, Royal College of Physicians and Surgeons, Edinburgh, England
- Member, Paediatric Infectious Diseases Society of America, USA
- Founding Member, HIV Medicine Association of America, USA
- Member, International Association of Physicians in HIV/AIDS Care, USA
- Member, International Society for Infectious Diseases, USA
- Member, *West Indian Medical Journal*, Editorial Board
- Chair, Clinical Trials Oversight Committee, UWI, Mona Special Project Lead – Collaboration between UWI and Yale University School of Medicine.
- Abstract Reviewer, for Caribbean Adolescent Youth Congress, Trinidad, 2019

Crosdale B

- Member, Maternal and Perinatal Health Committee, Family Health Service Unit,
- Member. Health Service Planning and Integration, Ministry of Health

Evans Gilbert T

- Member COVID 19 Clinical Technical Advisory group MOH March 2019–present.
- Member COVID 19 Expert Advisory Group CARPHA February 2019 to present
- Temporary Advisor to PAHO Measles-Rubella post-elimination regional monitoring and Re-verification Commission ongoing since 2018. Designated Rapporteur at meetings.
- Consultant to the HIV/STI/TB Unit - Health Promotion & Protection Branch Ministry of Health on Paediatric and Adolescent HIV to current
- Member Dengue Mortality Review Panel Ministry of Health and Wellness until Feb 2020.
- Abstract reviewer for the 23rd International AIDS Conference (AIDS 2020) 20 January 2020–14 February 2020.
- Manuscript Review American Journal of Tropical Medicine and Hygiene” Mother-to-child chikungunya virus transmission at Mae Sot General Hospital, Mae Sot district, Tak province, Thailand 2019 ” Submitted February 18 2020.
- Manuscript Review Current HIV Research. “The Role of Targeted HIV Screening in the Emergency Department: A Scoping Review “ July 2020.

Garbutt A

- President, Paediatric Association of Jamaica

Gooden M

- Floor member, Paediatric Association of Jamaica

Harrison A

- Reviewer for *PLOS One Journal*
- Reviewer for Eating and Weight Disorders – Studies on Anorexia, Bulimia and Obesity Journal
- Reviewer for abstracts/ workshop proposals for scientific meetings- Society for Adolescent Health and Medicine (SAHM) – Annual Conference: 2017–present.
- Director, Board of Directors, National Family Planning Board. 2017–present
- Immediate Past President, Paediatric Association of Jamaica: 2017–2019
- Member, International Association for Adolescent Health
- Vice-President and founding member, Caribbean Association for Adolescent Health
- Member, Adolescent Policy Working group – Ministry of Health, Jamaica

Melbourne Chambers R

- Manuscript Reviewer, *Epilepsy and Behavior Journal*
- Member, Editorial Board. *West Indian Medical Journal*
- Member, Church Committee, St Luke’s Church, Kingston
- Board Member, Ackee Foundation. Charity to raise funds for the infrastructural development of the Department of Child Health, UHWI

Pierre RB

- International AIDS Society IAS Governing Council 2016–2020: Latin America and Caribbean Representative with effect on 22 July 2016

Abstract reviewer (August 2019): for the 1st PAHO/WHO Caribbean Congress on Youth and Adolescent Health, #youth4health, scheduled for October 15–17, 2019 in Trinidad and Tobago

- *Abstract reviewer:* for the 23rd International AIDS Conference (AIDS 2020) San Francisco and Oakland, US, on 6–10 July 2020
- Associate Editor, *West Indian Medical Journal* – 2018 to date
- Caribbean Association of Medical Councils Examination – Chairman of committee to implement examination on behalf of the Faculty of Medical Sciences: from January 2007

Pottinger A

- Board Member, Adoption Board, Child Protection and Family Services Agency (2019–present)

Reece Mills M

- Member, The Sick Kids Caribbean Initiative

Samms Vaughan ME

- Chair, National Commission on Violence Prevention, Office of the Prime Minister
- Member, National Commission on Educational Transformation, Office of the Prime Minister
- National ECD Oversight Committee, Early Childhood Commission
- Member, IADB Early Childhood Advisory Group
- Director, Usain Bolt Foundation
- Director, Family Life Ministries
- Director, Vaz Preparatory School Board
- Director, Promise Learning Centre Board

AGILITY

INCOME GENERATION

Christie CDC. Principal Investigator, UWI (and other international and local co-investigators).

Source: European Commission and Paediatric European Network for Treatment of AIDS (PENTA) Foundation

Title: “Addressing the urgent research gaps against the Zika virus and other emerging threats in Latin America, SC1-PM-22-2016. Leader of WP1 – Vertical Transmission of ZIKV”.

Grant Period: 2016 to 2021 (five years).

Additional Funding to UWI for a Total Amount of 924,121.81 Euros

Christie CDC. Principal Investigator UWI (and many other international co-investigators).

Source: PENTA Infectious Diseases Foundation, Italy.

Title: “ZIKA App – A cell phone-based intervention for early detection of arbovirus infections in pregnant women in Jamaica”, to UWI.

Grant period: Jan 2020 to Jan 2021 (one year).

Grant amount: Funded for 70,723.52 Euros

Christie CDC. “Person of Interest”

Sub-Lead investigators: **Drs Crista-lee Berry and Tracy Evans-Gilbert** (with many others)

Source: Centers for Disease Control and Prevention, USA

Title: COVID-19 in hospitalized children at the UHWI, Jamaica and in the Caribbean.

Grant Period: August 14, 2020 through July 14, 2021.

Grant amount: Funded for \$70,000 USD’s

Christie CDC: Co-investigator, (P.I. is Prof Gene Morse)

Source: National Institutes of Health, USA

Title: “Fogarty International Training and Research in Virology at UWI”, collaborating with University of Buffalo, New York, USA

Grant period: 5 years, began 2018.

Grant amount: Funded for \$1.1 Million USD’s to UWI

Evans Gilbert T. Preceptor for Global Health Students West Virginia University February 2020 – Accommodations for overseas students at Buccaneer Hotel provided income to the University

R. Melbourne-Chambers P.I., S. Pellington, M. Samms-Vaughan (voluntary advisor)

Source: The World Bank

Title: ELP Systems Research on Early Childhood Development in Jamaica, Phase 2:

Rapid Response to COVID 19

Grant Period: 01/05/2020-30/06/2020

Total cost: US \$31,327.00

Samms-Vaughan M P.I.

Source: Canada Fund (Canadian High Commission)

Title: Supporting the Development of Children with Disabilities

Grant Period: 23/07/2020-28/02/2021

Total cost: CDN \$25,000.00

Reece-Mills R, PI.

Co-Investigators: M. Thame, A. Badaloo

Source: International Atomic Energy Agency (IAEA), Vienna

Title: Association between body composition and treatment outcome in Jamaican children with haematological malignancy

Funds: €50,000.00

Pottinger A. Non UGC (self-financing programme – 5 new students) – \$2,000,000.00: Coordinator, Post-graduate diploma in Loss Grief and Trauma Management, Department of Child and Adolescent Health, Faculty of Medical Sciences, UWI, Mona.

Harrison A. Non UGC (self-financing programme – 4 new students) – \$3,200,000.00: Coordinator, Post-graduate Diploma in Adolescent Health and Advocacy, Department of Child and Adolescent Health, Faculty of Medical Sciences, UWI, Mona.

OUTREACH

- Perinatal Audit and Symposium. This was the nineteenth year of the Perinatal Audit and Symposium. This annual conference was held on the 22nd and 23rd February 2020. This is a joint effort between the Departments of Obstetrics and Gynaecology and Child and Adolescent Health with external review of perinatal statistics by practitioners from external units. The theme was “Quality Improvement in Perinatal Care”.
- Oncology Symposium. Joint effort between the Department of Child Health and the Jamaica Cancer Society in recognition of Childhood Cancer Awareness month. Main speaker – Dr. Raveena Ramphal. The Medical and Surgical Management of Wilms Tumour and Osteosarcoma. Mona Visitors Lodge. September 15, 2019.
- Covid 19 Symposia
 - i. **Samms-Vaughan, M.** Co-ordinator of FMS Teleconference: COVID 19: Impact on Children and Families. May 17, 2020. 7,000 views as at 16/09/2020.
 - ii. **Christie CDC.** Coordinator of FMS Conference. “COVID-19 Pandemic Preparedness: Turning our Fears into Action”. COVID-19 Pandemic Preparedness Conference, COVID-19 Conference Series – #1, Faculty of Medical Sciences Teaching and Research Complex, Lecture Theatre 3, Thursday, 5 March, 2020.
 - iii. **Christie CDC.** Coordinator of FMS Conference. “Unravelling the Natural History of COVID-19”. COVID-19: Approaching Code Red Teleconference, COVID-19 Conference Series – #2, Faculty of Medical Sciences, UWI, Mona Campus, 17 April, 2020



DEPARTMENT OF COMMUNITY HEALTH & PSYCHIATRY

Professor Wendel Abel, JP., OD, MB., BS., DM., MPH, Dip Psyche.
– Head of Department

RESPONDING TO THE COVID-19 CRISIS

This academic year was the worst of times and the best of times. Undoubtedly, the worst, due to the CoVID-19 pandemic and the impact it has had on institutions of higher learning including UWI and this department. But not surprisingly, the best, as it brought out the very best in our entire team. Our entire team rallied to the clarion call at some of our darkest moments to maintain services and contributed to the implementation of the department's CoVID-19 pivoting strategy which included digital transformation of the department.

Commendably, members of our staff both academic, clinical and administrative responded to national, regional and international crisis posed by CoVID-19. Their efforts included; local response activities within their communities, participation in response at the institutional level, activities at the national level, work with various government agencies and industry and activities at the wider Caribbean level and internationally.

ENHANCING TEACHING AND LEARNING

All team members responded to the imperatives of the CoVID-19 pandemic and we were able to contribute to a successful digital transformation of our undergraduate and all post graduate programmes. Through our functional units, Public Health, Family Medicine and Psychiatry and the affiliate Mona Ageing & Wellness Centre the department continued to provide undergraduate and postgraduate instructions. Additionally, clinical services were delivered through the Hermitage August Town Community Health Centre, and mental health services through the Department of Psychiatry, the University Hospital of the West Indies.

ENHANCING RESEARCH IN THE DEPARTMENT

Team members continued their diverse research interest and many were involved in COVID-19 related research at the regional and national level. Dr. Jacqueline Duncan and team were awarded an NIH grant.

PROMOTION OF GREATER ACTIVISM AND ADVOCACY

The programme the Partnership for the Promotion of Patients' Rights saw several members scaled up their activities in advocacy and public health and social activism. Sadly, this programme came to end August 31, 2020. The team is committed to sustaining the activities in this area and has committed itself towards the continuation of this critical work in health rights and advocacy.

CONTRIBUTION TO THE FINANCIAL HEALTH

The department devised a cost containment plan to support the university thrust towards maintaining the financial health of the institution. There has been an increase in funds through grants and through the four self-financing programmes.

STAFF DEVELOPMENT AND RECOGNITION

Extensive training was conducted to facilitate the transition to online teaching and learning. We extend heartiest congratulations to Mrs. Joy Harrison who successfully defended her PHD thesis. Professor Affette McCaw-Binns was recognised by the Ministry of Health, Maternal Mortality Surveillance Committee for exceptional commitment, expertise, time and support to maternal health in Jamaica and Dr. Althea Bailey was recognised for 15 years of sterling contribution to the University.

PUBLICATIONS

During the period under review the department published thirty-eight (38) peer reviewed journal articles, one (1) book chapter and seven (12) technical reports. In addition over (30) presentations were made.

Book Contribution

- Mullings J, Thoms-Rodriquez C, McCaw-Binns AM, Paul T. Introductory Chapter: "Mortality and Quality of Care Systems in LMICs".

Technical Reports

- Figueroa JP, Duncan J, Bailey A. Jamaica's National Strategic Plan for HIV/STI 2020–25 for the Ministry of Health & Wellness. December 2019 (89 pages).

- **Figueroa JP**, Duncan JP, Bailey A. Jamaica's National Strategic Plan for HIV/STI 2020–2025.
- Aurora NK, Dasgupta R, Chaturvedi S, Das MK, **Figueroa JP**, Abramson JS. Evaluation of National Immunization Technical Advisory Groups (NITAGs) in South East Asia Region.
- **Gibson, R.** (2019) Evaluation of the Implementation of Bermuda's 2010 Mental Health Plan, September 13, 2019. Kingston: Pan American Health Organization.
- Pari, A., Mann, G., Razavi, A, **Gibson, R.** (2019) Mental Health Situational Analysis Report: Bermuda, November 2019. London/ Kingston: Public Health England/ Pan American Health Organization.
- **Gibson, R.** (2019) National Mental Health Plan for Bermuda, November 2019. Kingston: Pan American Health Organization.
- **Hylton-Kong, T.** The updated training manual and the Training report – Submitted March 2020.

Peer-Reviewed Journal Articles

- Nwokocha M, Romero CA, Holder C, Whyllie N, Wong H, Lietch J, Wilks R, Hosang M, Francis S, Brown PD, Paul T, **Abel W**, Barton E, Wilks R, Nwokocha C. Blood Pressure Screening Campaign in Jamaica: May Measurement Month 2017. *Am J Hypertens.* 2019 Jul 27. pii: hpz117. doi: 10.1093/ajh/hpz117. [Epub ahead of print].
- Sarah N Oshi, **Wendel D Abel**, Kimone Brown, Kayan Campbell-Williams, Patrice Whitehorne-Smith, Chinwendu F Agu, Alana Griffith & Daniel C Oshi (2020) Is sense of belonging at school associated with cannabis use among secondary school students in Barbados?, *Psychology, Health & Medicine*, 25:7, 824-831, DOI: 10.1080/13548506.2019.1672878.
- Eon Campbell, Melanie Poudevigne, Rachael Irving, Lowell Dilworth, **Wendel Abel**, Janel B. Psychophysiological stress and performance in Jamaica Junior track and field athletes *Performance Enhancement & Health*. Available online 9 July 2020,100171.
- McLeod, H., Maloney C, **Abel, W.** (2020) Jamaican Adolescents' Receptiveness to Digital Mental Health Services: A Cross-Sectional Survey from Rural and Urban Communities. *Internet Interventions*.
- Pottinger AM, **Bailey A**, Passard N. "Archival data review of intimate partner homicide-suicide in Jamaica, 200–2017: focus on mental health and community response" *Rev Panam Salud Publica.* 2019;43:e99. doi.org/10.26633/RPSP.2019.99.
- Cunningham- Myrie C, Royal-Thomas T, **Bailey A**, Gustat J, Theall K, Harrison

- J, Reid M. "Use of a public park for physical activity in the Caribbean: evidence from a mixed methods study in Jamaica" *BMC Public Health*, 2019 19:894 <https://doi.org/10.1186/s12889-019-7247-6>.
- Erica Felker-Kantor, **Colette Cunningham-Myrie**, Lisa-Gaye Greene, Parris Lyew-Ayee, Uki Atkinson, Wendel Abel, Pernell Clarke, Simon Anderson, Katherine Theall. Neighbourhood characteristics and Substance Use in the Caribbean Context: Jamaica National Drug Use Prevalence Survey 2016. *PLoS One* 2019 Nov 22;14(11):e0224516.
 - Craig LS, Hotchkiss DR, Theall KP, **Cunningham-Myrie C**, Hernandez JH, Gustat J. Prevalence and patterns of multimorbidity in the Jamaican population: A comparative analysis of latent variable models. *PLoS One*. 2020;15(7):e0236034. Published 2020 Jul 23. DOI:10.1371/journal.pone.0236034.
 - **Duncan J**, Tulloch-Reid M, Reid-Jones H, **Figueroa JP**. Use of a Simplified Clinical Audit Tool to evaluate Hypertension and Diabetes Management in Primary Care Clinics in Jamaica. *J Clin Hypertens*. 2020.
 - Tracy Evans-Gilbert, Karen N Lewis-Bell, **J Peter Figueroa**. The Caribbean Immunization Technical Advisory Group (CITAG); a unique NITAG. Vaccine 2019.
 - Edwards J, Hinds AG, Lyons N, **Figueroa JP**. Prevalence and Risk Factors for Sexually Transmitted Infections among Persons Living with HIV attending the STI Clinic in Trinidad. *International Journal of STD & AIDS* 2019 DOI: 10.1177/0956462419863536.
 - Edwards RJ, Hinds A, Lyons N, Edwards J, Quammie S, **Figueroa P**. A Chart Review Study of Sexually Transmitted Infections among Persons Living with HIV attending an STI Clinic in Trinidad. *JAPAC* 2019; 18: 1–6.
 - King A, Andrus JK, **Figueroa JP**. Financial crisis at PAHO in the time of COVID-19 a call to action. *Lancet* July 2, 2020. DOI:
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INCOME GENERATION

1. **Dr. Daniel Oshi**. Mental Health Intervention Using Community Health Aides: Research proposal submitted to the Jamaican Ministry of Health and Wellness, RESEARCH FOR WELLNESS FUND 2020 (Amount: 5,000,000 JMD).
2. **Dr. Carole Mitchell**. Special Project: Section of Psychiatry Psychology Clinic.
3. **Professor Wendel Abel**. Programme for the Promotion of Patients' Rights in Maternal Neonatal & Infant Health. European Union. Euro 700,000,000 (2018).

SERVICE

Team members continued their numerous activities in public service internationally, regionally and in their local communities.

Professor Wendel Abel:

- **Advisory Committee:** Training and Certification Program for Drug and Violence Prevention, Treatment, and Rehabilitation (PROCCER; OAS)
- **Deputy Chair:** National Council on Drug Abuse
- **Project Lead:** Partnership for the Promotion of Patients's Rights (PROMAC)
- **Peer Reviewer:** *Ethnicity and Inequalities in Health and Social Care; West Indian Medical Journal, BMC*

- **Board Member and chair Finance sub-committee:** Foundation for International Self Help (FISH).
- **Justice of the Peace:** The Parish of Kingston and St. Andrew.
- **Peer Reviewer:** Medical Research Council (MRC), Transcultural Psychiatry, BMC Journal, *West Indian Medical Journal*.

Dr. Althea Bailey:

- **Chair:** Communications sub-group for the Ministry of Health & Wellness' Essential National Health Research Committee in response to COVID-19. May, 2020–present.
- Sickle Cell Symposium November 9, 2020 – Presentation: “Behaviour Change”.
- Swallowfield Chapel Community Health Fair January 7–9, 2020 – Presentation: “Healthy Lifestyle”.

Dr. Norbert Campbell:

- **Member:** Provided solicited guidance to the Joint Select Committee of the Houses of Parliament reviewing the Occupational Safety and Health Bill (2017) regarding Schedule 2 “Occupational Diseases.”
- **President:** Jamaica Occupational Health and Safety Professionals Association Ltd (1/2020–present).
- **Member:** National Committee for Review and Update of the National Implementation Plan for the Stockholm Convention on Persistent Organic Pollutants (POPs.)”.
- **Technical Advisor:** *Environmental Health*, National Environmental Health Association, USA (2019–present).

Dr. Colette Cunningham-Myrie:

- **Consultant:** Ministry of Health in The Bahamas, under the PAHO Post-Dorian Recovery Plan.
- **Member:** St Andrew High School for Girls, Old Girls Association, Jamaica.
- **Volunteer physician:** Diabetes Association of Jamaica – provide clinical care and participate in health promotional activities.

Professor Peter Figueroa:

- **Chair:** Epidemiology and Research Training Unit Board of Directors.
- **Member:** Bellevue Hospital Board of Directors.
- **Member:** Technical Advisory Group on Mental Health.
- **Member:** Technical Working Group on Sexually Transmitted Infections.
- **Member:** Classification Appeals Tribunal.

- **Consultant:** Ministry of Health Jamaica for preparation of the National HIV Strategic Plan 2020–2025.
- **Advisor:** and public education re COVID pandemic control.
- **Member:** WHO Strategic Advisory Group of Experts (SAGE) on Immunization COVID-19 Vaccines Working Group.
- **Participant:** WHO Strategic Advisory Group of Experts (SAGE) on Immunization meetings 8–10 October 2019 and 1–2 April 2020, Geneva, Switzerland.
- **Participant:** Development of the Immunization Agenda 2030.
- **Co-chair:** WHO SAGE Working Group on Polio.
- **Member:** WHO panel of Polio experts – International Public Health Regulations.
- **Chair:** PAHO Technical Advisory Group on Immunization.
- **Member:** PAHO Technical Advisory Group on HIV and Hepatitis.
- **Member:** International Task Force on Disease Eradication, Carter Foundation, Atlanta, USA.
- **Member:** UNAIDS Panel of HIV Experts.
- **Member:** Pan Caribbean Partnership on AIDS (PANCAP) Priority Areas Coordinating Committee (PACC).
- **Chair:** Caribbean Immunization Technical Advisory Group (CITAG).
- **Chair:** Caribbean Expanded Program of Immunization (EPI) Managers.
- **Represented:** UWI at Caribbean Health Ministers’ meeting in Washington DC 21–23 September 2019.
- Represented UWI at Caribbean Chief Medical Officers’ meeting.
- Participation in review of India NITAG January 2020.

Professor Roger Gibson:

- **Mental Health Specialist:** Pan-American Health Organization (PAHO) Regional Health Response Team.
- **Advisor:** Technical Mental Health Advisory Group, Ministry of Health (Jamaica).
- **Reviewer:** Transcultural Psychiatry.
- **Reviewer:** Bulletin of the World Health Organization.

Dr. Tina Hylton-Kong:

- **Member:** MoHW technical working groups for Contact investigation, sexually transmitted Infections and the EMTCT oversight committee.
- **Member:** University of California San Francisco (UCSF) Country programme team as a clinical advisor to provide technical assistance with Clinical mentoring

for HIV management, index testing and quality improvement in the HIV treatment care sites.

- **Member:** FMS/UWI/MOHW newly established Health Connect Jamaica to improve access to care for PLHIV.

Professor Affette McCaw-Binns:

- **Peer reviewer:** Annals of Medical and Health Sciences Research; BMC Pregnancy and Childbirth; BMC Public Health; *International Journal of Gynecology and Obstetrics*; Lancet Global Health; Reproductive Health. 2019 (April)–**present**
- **Member:** World Health Organization/Pan American Health Organization (PAHO). Appointed by PAHO to represent the region of the Americas to the WHO global Technical Advisory Group of the Mother and Newborn Information for Tracking Outcomes and Results (MoNITOR) aimed at reviewing progress on SDG maternal and child health indicators. 2019 (Feb)–2020 (Feb)
- **Member:** Medical Research Council, UK Research and Innovation – National Institute for Health Research. Appointed to an 11-member panel (6 external, 5 MRC staff) to review responses to a call for proposals to address “Global Maternal and Neonatal Health Research Priorities in Low and Middle Income Developing Countries.” Selected projects will be funded through grants from the Overseas Development Agency, United Kingdom.
- **Subcommittee Chair (June 2020 – present):** Ministry of Health and Wellness – Essential National Health Research Committee to develop COVID 19 Research Agenda *Epidemiological Surveillance: Household and Community* – responsible for developing research aimed at evaluating impact at the household and community level.
- **Founding member (1985–present):** Maternal mortality surveillance committee – participate in quarterly regional and national case reviews; strategic development; training.

Dr. Carole Mitchell:

- **Board member:** Jamaica Council for Persons with Intellectual Disability 2020.
- **Member:** COVID-19 Staff Welfare support – UHWI 2020.

Dr Daniel Oshi:

- **Steering Committee Member:** Programme for the Promotion of Patients’ Rights in Maternal Neonatal & Infant Health. A European Union-funded national project to strengthen patients’ rights in maternal, neonatal and infant health and to improve the role of and effectiveness of civil society in Jamaica.
- **Member:** American Society of Tropical Medicine and Hygiene.
- **Member:** International Sociological Association.

- **Member:** International AIDS Society.
- **Member:** Nigerian Medical Association.
- **Member:** Global Health Section: International Studies Association.
- **Member:** Editorial Board Membership
- **Member: Editorial Advisory Board:** *West Indian Medical Journal*.
- **Article Editor:** *Sage Open*

Dr. Tana Ricketts-Roomes:

- **Coordinator:** UWI/MOHW Health Corps for COVID-19 response (Mid-March 2020 through July 31 2020 and beyond).
- **Team Member:** PROMAC Partnership for the Promotion of Patient's Rights in Maternal, Neonatal and Infant Health (MNIH) Project.

Mrs. Camelia Thompson:

- **Member:** Central Management Committee, Bethel Baptist Healing Ministry.
- **Member:** Churches Emancipation Lecture Committee.
- **Board Chair:** International Samaritan, Jamaica.



DEPARTMENT OF MEDICINE

Michael Boyne, BSc, MB.BS, MD, FRCPC, FRCP (*Edin*) – Professor of Endocrinology and Metabolism – **Head of Department**

INTRODUCTION

The 2019 strategic plan of the Department of Medicine aims to contribute to the following UWI strategic objectives:

- AC4: improving quantity, quality and impact of research, innovation and publication
- AC3: improving the quality of teaching, learning and student development
- AL2: Increase and improve academic/industry research partnerships
- AG2: restore financial health to The UWI.

Department of Medicine Mission

To train the modern, exceptional clinician using innovative, patient-centered research and delivering empathetic, high-quality, patient care.

Department of Medicine Vision

Our vision is to be the leading academic clinical unit in the Caribbean emphasizing excellence in training, clinical research and patient care.

Department of Medicine strategic initiative

The Department of Medicine has a strong foundation in clinical medicine and relevant patient-oriented research. The Department plans to expand/upgrade its research, services, technology, and staffing upgrades are needed to facilitate fingerprinting of diseases and precision medicine for individualized care.

WORK OF THE DEPARTMENT OF MEDICINE 2019–2020

It is no surprise that the COVID-19 pandemic has significantly impacted the activities of the Department of Medicine. After an alleged case presented at the University Hospital of the West Indies (UHWI) on January 28 creating a media storm, the UHWI COVID-19 Task Force was formed, and our Department staff (from the section of Infectious Diseases, and other clinical section chiefs) play major roles in the daily meetings. This included the development of management protocols (case definitions, laboratory testing, medical management, and critical care) to assist the national effort. Since the epidemic's onset on March 10, the burden of the care of the majority of the patients resides within this Department. In response, a dedicated COVID Medicine Team was created to provide care, but we have had to suspend subspecialty services due to inadequate staffing, and there have been interruptions in postgraduate education.

ACCESS

UNDERGRADUATE TEACHING

The Department gives didactic lectures in Internal Medicine to MBBS students in the 1st year and clinical teaching to 2nd, 3rd and 5th years. The Junior Clerkship rotation is for 3rd year clinical students who were stationed at the Kingston Public Hospital (KPH) and the University Hospital of the West Indies (UHWI). Senior students in their 5th year rotate through UHWI as well as peripheral teaching hospitals i.e. KPH, Spanish Town Hospital, Cornwall Regional Hospital, Mandeville Regional Hospital, May Pen Hospital, and St. Ann's Bay Hospital. We continue to try to deliver quality teaching as well as improving our pedagogy and student assessment. This has been spearheaded by one lecturer earmarked as a medical education specialist within the Department (Dr Swane Gardener). This was pivotal when the pandemic forced the withdrawal of the medical students from the clinical areas, necessitating switching to distant teaching modes, including online ward rounds/clinics/tutorials, producing videos on clinical examination/procedures, and student assessments. The success rate of the final MBBS examination in Medicine & Therapeutics in May/June 2020 was high as only 10 students failed, while 29 had Honours, and 2 had distinctions. No clinical prizes were given this year as there was no clinical OSCE examination.

POSTGRADUATE TEACHING

- Doctor of Medicine (Internal Medicine) professional degree.
 - o At present, there are 41 residents among the four years including 8 junior

residents who started the programme in July 2020. Unfortunately, student burnout is still prevalent due the chronic issue of large clinical loads from patient with noncommunicable diseases (NCDs). Several medical officers and senior house officers were hired to reduce the patient workload. However, the need to staff a COVID Medicine Team for the COVID pandemic has exacerbated the issue.

- o The May/June 2020 DM exams were deferred to Nov/Dec 2020 because of the pandemic.
- o The Department started awards for the “Residents of the Year” and the winners were chosen by an online poll amongst the lecturers/consultants:
 - Dr Roxanne Blair was “Junior Resident of the Year”
 - Dr Thin Thiri Aung was “Senior Resident of the Year”
 - Dr Natalya Rose received the award for “Best Research Project.”
- **DM Dermatology programme.** This was launched in 2019 and it continues with 4 residents, supported by a teaching complement of 5 dermatologists (3 lecturers, 1 associate lecturer and 1 hospital consultant).
- **PhD (Medicine).** There are 2 students, whose main supervisor is Professor Terrence Forrester, SODECO. One student had a successful PhD upgrade seminar in December 2019.
- **Fellowship programmes in Infectious Disease, Nephrology, Cardiology and Gastroenterology.** The lack of consistent funding for potential fellows threatens the long-term viability of the programmes despite the demand for them. Two programmes are currently active, with one fellow in Infectious Disease and another in Nephrology.
- **Postgraduate certification, MRCP (UK).** The Department successfully conducted a pilot of the MRCP(UK) clinical examination (PACES) at UHWI on December 7 and 8, 2019 along with faculty from the Royal Colleges of Physicians, Cave Hill and St Augustine. Consequently, the Federation of the Royal College of Physicians entered into a formal relationship with the Department to conduct PACES examinations twice yearly. Thus, the UWI would be the first PACES centre for the Caribbean and Latin America. However, the first PACES examination planned for October 2020 has been deferred to April 2021 because of COVID-19. The pilot also illustrated that changes are needed in postgraduate curriculum delivery and assessment. Some elements were discussed at the cross-campus DM Coordinators meeting in February 2020, Cave Hill, Barbados for adoption in future DM assessments. As assessment drives learning, the changes can also improve patient care.

Research

The Department actively continued to increase the research output by improving training in research methodology and promoting the formation of research teams. The areas with active research include Nephrology, Infectious Diseases, Pulmonology, Gastroenterology, Dermatology and Endocrinology. These include:

- The Nephrology group continues to conduct epidemiological research in chronic kidney disease through its CKD Registry.
- The “Burden of Obstructive Lung Disease Follow-up in low/middle income countries (BOLD II)” continues to recruit nationwide to determine the incidence of obstructive lung disease in Jamaica.
- AIDS research (in collaboration with the Dean’s Office) included HIV self-testing in the Emergency Department, pre-exposure prophylaxis for HIV and private-public partnerships to improve delivery of care.
- COVID-19 research: the epidemiology of COVID, and convalescent plasma as a therapeutic option using a case-control methodology.

PUBLICATIONS

Referred Journal Articles

1. Cockwell P, Fisher LA. The global burden of chronic kidney disease. *Lancet* 395 (2020): 662-664.
2. Balhara KS, Fisher L, El Hage N, Ramos RG, Jaar BG. Social determinants of health associated with hemodialysis non-adherence and emergency department utilization: a pilot observational study. *BMC Nephrol* 21, 1 (2020): 4.
3. Thompson DS, Tennant IA, Soares DP, Osmond C, Byrne CD, Forrester TE, Boyne MS. Non-alcoholic fatty liver disease in nonobese subjects of African origin has atypical metabolic characteristics. *J Endocr Soc* 3 (2019): 2051–2063.
4. KK Hoe, TL Han, TH Hoe, EN Barton: “Severity and Outcomes in Association with Known Exposures and Susceptibilities among Afro-Caribbean Patients with Hospital-acquired Acute Kidney Injury.” *West Indian Med J* 68 (2019). DOI: 10.7727/wimj.2018.154.
5. Ho JD, Vashi N, Goldberg LJ. Exogenous Ochronosis as an Elastotic Disease: A Light-Microscopic Approach. *Am J Dermatopathol* 42 (2020): 571–577.
6. McCurdy JD, Parlow S, Dawkins Y, Samji K, Rhee GG, Oliveira O, Sabri E, Murthy S. Tumor Necrosis Factor Inhibitors May Have Limited Efficacy for Complex Perianal Fistulas Without Luminal Crohn’s Disease. *Dig Dis Sci* 6 (2020):: 1784-1789.

7. Rhee SY, Kassaye SG, **Barrow G**, Sundaramurthi JC, Jordan MR, Shafer RW. HIV-1 transmitted drug resistance surveillance: shifting trends in study design and prevalence estimates. *J Int AIDS Soc* 23 (2020): e25611.
8. Rhee SY, Grant PM, Tzou PL, Barrow G, Harrigan PR, Ioannidis JPA, Shafer RW. A systematic review of the genetic mechanisms of dolutegravir resistance. *J Antimicrob Chemother* 74 (2019): 3135-3149.
9. Nwokocha M, Romero CA, Holder C, Whyllie N, Wong H, Lietch J, Wilks R, **Hoo Sang M**, Francis S, Brown PD, Paul T, Abel W, **Barton E**, Wilks R, Nwokocha CR. Blood Pressure Screening Campaign in Jamaica: May Measurement Month 2017. *Am J Hypertens* 32 (2019): 1186-1191.
10. Migliavacca E, Tay SKH, Patel HP, Sonntag T, Civiletto G, McFarlane C, Forrester T, Barton SJ, Leow MK, Antoun E, Charpagne A, Seng Chong Y, Descombes P, Feng L, **Francis-Emmanuel P**, Garratt ES, Giner MP, Green CO, Karaz S, Kothandaraman N, Marquis J, Metairon S, Moco S, Nelson G, Ngo S, Pleasants T, Raymond F, Sayer AA, Ming Sim C, Slater-Jefferies J, Syddall HE, Fang Tan P, Titcombe P, Vaz C, Westbury LD, Wong G, Yonghui W, Cooper C, Sheppard A, Godfrey KM, Lillycrop KA, Karnani N, Feige JN. Mitochondrial oxidative capacity and NAD⁺ biosynthesis are reduced in human sarcopenia across ethnicities. *Nat Commun* 10 (2019): 5808.

ALIGNMENT

PAPERS PRESENTED/ ABSTRACTS

- **Lawrence Wright, M.** “Leadership and Health Care Challenges in Jamaica and the Caribbean” American College of Cardiology International Training Program, American College of Cardiology Leadership Academy, November 9, 2020, Washington, DC, USA.
- **Lawrence Wright, M.** “Hypertension and Dyslipidaemia: Silent Killers” MSN Updates. November 14, 2019, Terra Nova Hotel, Kingston, Jamaica.
- Thompson DS, Bourdon C, **Boyne MS**, Forrester TE, Gonzales GB, Bandsma R. “Metabolic profiles in adult survivors of severe acute malnutrition.” Poster-oral at DOHAD (Developmental Origins of Health and Disease) 11th World Congress, October 21, 2019, Melbourne, Australia.
- **Boyne, Michael.** Invited plenary lecture “Double Burden of Programming of Diabetes: Caribbean Perspective” at the DOHAD (Developmental Origins of Health and Disease) 11th World Congress, October 22, 2019, Melbourne, Australia.

- **Boyne, Michael.** “Update in obesity management.” 86th UWI/BAMP and 12th Caribbean Endocrine Society Annual Scientific Meeting, Nov 16, 2020, Barbados.
- **Boyne, Michael.** “Obesity in the Caribbean and Kidney Disease” Caribbean Institute of Nephrology January 24, 2020, Jamaica Pegasus Hotel.
- **Lori-Ann Fisher, Sunil Stephenson, Marshall K Tulloch Reid, Simon Anderson.** “AKI following bypass surgery in Jamaica – Observations from a low Resource Country.” *J Am Soc Nephrol.* Vol 30: 2019 Abstract TH-PO74. American Society of Nephrologists (ASN) Kidney Week, November 2019 November 05– 10, 2019, Washington, DC.
- **Lori-Ann Fisher.** “Fluid Management in AKI.” Caribbean Neurosciences Conference February 21, 2020, University of the West Indies, Mona.
- **Boyne, Michael.** “Advances and Controversies in Neuroendocrinology.” Caribbean Neurosciences Conference February 21, 2020, University of the West Indies, Mona.
- **Lori-Ann Fisher.** “Myeloma and the Kidneys.” Myeloma Symposium 2020 February 9, 2020, Knutsford Court Hotel.
- **Lori-Ann Fisher.** “Improving Outcomes in Patients with Sickle Cell Disease and CKD.” Caribbean Institute of Nephrology January 24, 2020, Jamaica Pegasus Hotel.
- **Lori-Ann Fisher.** “Is there an ideal Hypertension Regime for Caribbean Patients?” Association of Consultant Physicians of Jamaica Conference September 1, 2019. Jamaica Pegasus Hotel, Kingston.
- **Michael Boyne, Kathy-Ann Pate-Robinson, Stanley Giddings.** Webcast – “COVID-19 deep dive: Caribbean with Prof David Martin.” Royal College of Physicians London <https://player.rcplondon.ac.uk/covid-response/global/169801621>. Accessed September 21, 2020.

PUBLIC SERVICE

Professor Rosemarie Wright-Pascoe Williams:

- Chairman, Board of Management of Central Medical Laboratory
- Member, Medical Association of Jamaica Council

Professor Michael Lee

- Member, Board of Executive, Food For the Poor
- Chair, Medical Committee, Food For the Poor

Dr. Marilyn Lawrence Wright

- Vice-President and President-Elect, Caribbean Cardiac Society.

- Development Committee Member – St. Clement’s Mission of the St. Andrew Parish Church, Kencot, Kingston.

Professor Michael Boyne

- Board member, Victoria Mutual Foundation
- Member, DOHAD (Developmental Origins of Health and Disease) Council, and planning committee member for 11th DOHaD World Congress, Melbourne, Australia, October 2019.
- Member, National Health Fund Expert Panel of Physicians
- Member, Journal of Clinical Endocrinology & Metabolism Editorial Board

Dr. Tamara Thompson

- Women’s Health Network, Member and annual volunteer
- Rotary Club of Kingston East and Port Royal, annual volunteer
- Infectious Diseases Society of America - Minority Interest Group

Dr. Kyaw Hoe

- Outreach Renal Clinics at Mandeville Regional Hospital and St. Ann’s Bay Hospital

Dr. Lisa Chin-Harty

- Treasurer, Caribbean Endocrine Society

Dr. Charlton Collie

- Chairman, Board of Directors, Pre-University School, Taylor Hall, UWI Mona.
- Chairman, Board of Directors, Ayrton Distributors Limited
- Department Representative, UHWI Drug and Therapeutics Committee
- Department Representative, UHWI Accident and Emergency Advisory Committee
- Constituency Chairman, Jamaica Labour Party for South East, St. Andrew

Dr. Mark Hoo Sang

- Member, Cardiovascular Week Planning Committee for Annual Cardiovascular Week Symposium and Annual Cardiology Week Health Fair.

Dr. Yvonne Dawkins

- Member, Women’s Health Network

Dr. Lori-Ann Fisher

- Board Member, Lupus Foundation of Jamaica

Dr. Mike Mills

- President, Association of Consultant Physicians of Jamaica
- Member, Medical Association of Jamaica Council

CLINICAL CARE

The Department is primarily responsible for the admission, treatment and outpatient care of patients at the UHWI in the areas of internal medicine and the associated subspecialties. This accounts for ~ 60% of all admitted patients and continues to grow with the growing obesity epidemic in an ageing Jamaican population. Some highlights over the reporting period include:

RENAL SERVICE

- The nascent kidney transplant programme continued with more transplants in March 2020 in collaboration with the Department of Surgery and a donation of J\$5,000,000 from the National Health Fund.
- The 12th Annual International Conference On Nephrology and Hypertension, was held on January 24 and 25, Jamaica Pegasus Hotel, in collaboration with the Caribbean Institute of Nephrology, University of Michigan, and the International Society of Nephrology. The theme was “Targeting Chronic Non-communicable Diseases in the Caribbean.”

Dermatology Service

- Phototherapy services were introduced with the acquisition of a modern narrowband ultraviolet B machine. Phototherapy is used to treat a wide range of skin diseases including psoriasis and cutaneous T-cell lymphoma.
- A Cutaneous Oncology clinic is now offered after the employment of a Cutaneous Oncologist, Dr. Stephanie Smith Matthews.

Cardiology Service

- The Cardiology Unit hosted Cardiovascular Week 2020 from February 9–15, 2020 under the theme “Coronary Artery Disease: A National Crisis.” This comprised educational interviews on local television and radio programmes, educational articles in the local print media, tours of our cardiac facilities by high school students, a cardiovascular medical symposium and a cardiovascular community health fair at Swallowfield Chapel.
- The first minimally invasive cardiac ablation procedure was performed in the Interventional Suite by Consultant Cardiologist/Electrophysiologist, Dr. Nordia

Clare-Pascoe. Dr Clare-Pascoe also established a monthly UHWI Arrhythmia Clinic. This area of arrhythmia management will improve undergraduate and postgraduate learning experiences.

- The Unit partners with Cardiothoracic Surgery in the delivery of monthly outreach cardiac device clinics at the Cornwall Regional and Mandeville Regional Hospitals.

AGILTY

INCOME GENERATION

Grants

- Amanda Sferruzi-Perri (PI), **Michael Boyne** (Co-investigator). “Prevalence of gestational diabetes mellitus (GDM) in high risk women in Kingston, Jamaica, and association with pregnancy outcomes.” Funding: The Royal Society, Caribbean Frontiers of Science Follow-on Grant: FOS\R1\19100; GBP £10,000.00; 2020-2021.
- Peter Burney (PI), **Althea Aquart-Stewart** (Co-investigator); Medical Research Council MR/R011192/1, for “Burden of Obstructive Lung Disease Follow-up in low/middle income countries (BOLD II);” GBP £21,568.63; 2019–β2021.
- **Geoffrey Barrow** (PI). “Pre-Exposure Prophylaxis in Three Populations Across Jamaica.” Funding Source: Global Fund/ Ministry of Health; USD \$200,000. Duration: October 2019– February 2020.
- **Geoffrey Barrow** (PI). “HIV Private Sector Initiative, Jamaica.” Funding Source: United States Agency for International Development; USD \$350,000; Duration: October 2019–September 2020.
- **Geoffrey Barrow** (PI). “HIV Self Testing in the Emergency Medicine Department at the University Hospital of the West Indies.” Funding Source: ViiV Healthcare/Ministry of Health; USD\$66,000; Duration: January–April 2020.
- **Geoffrey Barrow** (Co-I). “The Implementation of Routine HIV-1 Drug Resistance Surveillance among Treatment Experienced HIV-1 Infected Children, Adolescents and Youth in Jamaica. Funding Source: Center for Disease Control and Prevention/Ministry of Health; USD \$90,000; Duration: January–September 2020.

Transitions

- Dr Clare-Pascoe re-joined the Department after completing a one-year fellowship in Cardiac Electrophysiology, University of Toronto.
- Dr. Asana Anderson joined the Department after completing her fellowship in Rheumatology, Temple University.
- Dr Patrice Francis-Emmanuel returned to the Department after completing a 2-year fellowship in Endocrinology & Metabolism in the United Kingdom (UK).
- Mr. Donovan Robinson, Mrs. Beverley Malcom Montague, Ms. Ann-Marie Walker retired from the Ancillary and Administrative section.

RECOGNITION

- At the 2019 UWI Long-Service Awards, Dr. David Gilbert was honoured for 21 years and Dr. Marilyn Lawrence-Wright for 15 years.
- Dr. Althea Aquart-Stewart was appointed a fellow of the Royal College of Physicians of Edinburgh.
- Dr. Yvonne Dawkins became a Fellow of the American College of Physicians and a Fellow of the American College of Gastroenterology



DEPARTMENT OF MICROBIOLOGY

Alison Nicholson, MB BS, DM (Med. Microbiology) – Head of Department

WORK OF THE DEPARTMENT

In keeping with the University's Triple A strategy of Access, Alignment & Agility, the Department of Microbiology has continued to invest in its undergraduate and graduate programmes as well as the diagnostic services provided by its 5 main laboratories: Bacteriology, Parasitology, Mycology, Immunology and Virology. The research agenda of the department is heavily supported by the laboratories. This past year, one of the most significant challenges facing the entire world has been the emergence of the CoVID-19 pandemic. The Department of Microbiology through the National Influenza Centre (NIC) which it houses and manages, has been playing a significant role in the national response to the pandemic especially in the area of testing. The early detection of SARS-CoV-2 in the island was done in this Department and testing was continued here as the sole centre, until the National Public Health Laboratory (NPHL) was able to join forces. These two centres are the only approved sites for CoVID-19 testing in the island. Testing continues in the Department of Microbiology led by Professor M Smikle, the NIC Director, with a 24 hr turnaround time and markedly increased throughput.

The agile response of the Department to this challenge led to the refurbishing/retrofitting and equipping of the Molecular laboratory as well as a BSL 3 laboratory in the Department to facilitate Jamaica's response to the demand for CoVID-19 testing. This project was supported by the Government of Jamaica, through the Chase Fund to the tune of JA\$34.1m. These laboratories can now be used in the detection of other pathogens thus eventually expanding the diagnostic services of the Department and positioning it to be a beacon in the region.

Several strategic partnerships have emerged over this period and include Jamaica Public Service, the Private Sector of Jamaica (PSOJ). These played a significant role in equipping the lab with machines and reagents. The Consultants involved in this process include Dr. J. Anzinger, the Consultant in Charge of the Virology Laboratory,

Professor J Lindo, Professor M Smikle (current Director of the NIC), Dr. S. Jackson, former Director of the NIC as well as Dr. A. Nicholson, Head, Department of Microbiology (HOD).

Professor John Lindo has continued as Co-Chair of the SUNY-UWI Health Research Consortium. Major initiatives undertaken include the Jamaica Emerging Infectious Disease Research Centre (JEIDRC). It is the hope of the JEIDRC to expand knowledge of mosquito borne viruses that are emerging and re-emerging in the Caribbean; for example, Dengue, Zika, Chikungunya, Yellow Fever, Mayaro, West Nile and other viruses with regard to natural history, incidence, and prevalence. The centre will also identify and investigate clinical cohorts with symptoms of acute infections, by establishing the Jamaica Arbovirus Infection Cohort. The Jamaica Global Infectious Diseases Research Training Programme will also mentor the next generation of scientists. A planned workshop on emerging infectious disease will now take place online in Q4 of 2020. This workshop will be a collaboration between JEIDRC and several other international stakeholders. Professor Lindo provided leadership for the Prostate Cancer Centre of Excellence in the initial steps of its establishment and most recently, the recruitment of a Data Collector.

RESEARCH

Media from *Artocarpus Altilis* (Breadfruit) called BFM

The creation of culture media from *Artocarpus altilis* (Breadfruit) called BFM for the growth of fungi, to enhance their identification in a shorter turnaround time and at lower costs than that of commercially prepared media, is the brainchild of Mrs. Alrica Bruce-Mowatt, who holds an MSc. Medical Microbiology from The University of the West Indies and is a Medical Technologist in the Department of Microbiology. She has always been actively seeking methods to improve laboratory diagnosis of infectious diseases. With the creation of the BFM, it will be possible to identify fungi earlier and so start appropriate therapy much sooner than with the other traditional media resulting in lower morbidity and mortality rates as well as decreased length of hospital stay. Steps to patent the process and to automate the production of the media towards commercialization internationally are being taken. This research has been guided and supervised by Professor Monica Smikle and Dr Glendee Reynolds-Campbell.

CoVID-19 Pool Testing in Jamaica

The Department of Microbiology in partnership with NovaMed, The University Hospital of the West Indies, Harvard Chan SPH and Oxford Biomed have embarked on a high-level proposal of 2-level pool strategy to increase capacity of CoVID-19 testing by MOHW/UHWI. This project is geared toward pooled testing which can be adopted to increase SARS-CoV-2 testing capacity.

The Department of Microbiology is committed to diagnostic excellence for optimal patient care and also to facilitate research that can be published widely, with maximum impact internationally. With these factors in mind, the HOD submitted a proposal to the UHWI for the acquisition of a Mass Spectrometer (MALDI-TOF) which will assist in the rapid and more accurate identification of bacteria and fungi. The machine, at a cost of US\$340,000.00, will have a revolutionary impact on clinical outcomes, while supporting the research agenda of the department.

Other research projects have emerged as the SARS-CoV-2 pandemic continues. These include collaborative work with a multidisciplinary team on the role of plasmapheresis in the treatment of CCoV-19. (Drs J. Anzinger and A. Nicholson).

Validation of a number of CoVID antibody tests has been done by Dr J. Anzinger et al. while Drs David Walcott and Alison Nicholson et al are in the preliminary stage of the validation of antigen testing.

CONFERENCES/SEMINARS

World Sepsis Day Symposium 2019

The Sepsis Planning Committee, Department of Microbiology, led by Dr K Roye-Green, hosted its 4th Annual Conference to raise awareness of World Sepsis Day in September 2019. Dr Michelle Barton-Forbes (UWI alumna) and Division Chief, Paediatric Infectious Diseases at London Health Sciences Centre, London, Ontario gave the keynote lecture. Other presentations were made by persons from other departments in the Faculty. The Conference was very well received by the large audience in attendance.

Caribbean Association Of Clinical Microbiologist (CACM)

The CACM, through the leadership of its current President, Dr G. Reynolds-Campbell along with other members of the Jamaican chapter – Dr K. Roye-Green, CACM Treasurer, Dr C Thoms-Rodriguez CACM Secretary were able to host local symposia on a range of interesting and relevant topics for the local community.

The team, including the Country Representative, Dr A Nicholson, is currently organizing the 16th CACM Annual Symposium for October 30, 2020. This will be done virtually.

CoVID-19 Education

The Department of Microbiology is involved in several strategies that have emerged to educate the University community and the country and the region about different

aspects of CoVID, by way of radio and television interviews, symposia and other programmes. Members of the department involved on a regular basis include Drs Anzinger, Jackson, Thoms-Rodriguez and Nicholson.

MICROBIOLOGY Newsletter: *It's a Small World*

It's a Small World, produced by the HOD, is a newsletter designed to strengthen the link between the UHWI clinicians and the diagnostic microbiology laboratory. It serves to update the end users of the lab on new tests being offered, availability of current tests as well as new developments in the field of Microbiology.

The National Influenza Centre (NIC)

With the support of The University of the West Indies, the Ministry of Health and the Pan American Health Organization, the invaluable services provided by the National Influenza Centre (NIC) in diagnosis and surveillance of Influenza viruses have been upgraded. Surveillance for Influenza during this time when cases are expected to occur, has to be done alongside testing for CoVID-19, which uses the same method and is done through the National Influenza Centre by Professor M Smikle and team.

Surveillance Reports

The Department of Microbiology continues to submit the following monthly surveillance reports to the Ministry of Health and Wellness. These show current trends in communicable diseases and 'alert' organisms in each area. These reports are:

1. General Virology
2. Bacteriology
3. Dengue
4. Chikungunya
5. HIV

Infection Prevention and Control (IPC)

Over the years, Dr Nicholson has chaired the Infection Prevention and Control Committee (IPCC) and in recent times has been able, through the University Hospital of the West Indies, to establish an Infection Prevention and Control Unit (IPCU) with increased staff. Funding for the Unit of JA\$31.7m was previously received from the Universal Service Fund. This helped with the establishment of an office along with computers, to facilitate connection to the Microbiology laboratory

as well as the wards. Through this unit, the Department was able to train all levels of hospital staff in Infection Prevention and Control. This training laid the groundwork for further training of all staff members to prevent or reduce infections in the face of the SARS CoVID-19 pandemic.

The appropriate use of personal protective equipment (PPE) especially in the prevailing challenge of CoVID has been a critical component of the response to this infection.

Through surveillance activities, the IPC team including Drs Thoms-Rodriguez, Reynolds-Campbell, Walker and Roye-Green as well as other members of the Department of Microbiology, have helped to monitor healthcare-associated infections and develop protocols for prevention. The IPC team also helped with setting up the special Isolation Unit at The University Hospital of the West Indies, primarily at this time to deal with CoVID-19 patients. The whole area of IPC continues to be a fertile area for research, to guide response to and evaluate protocols designed to manage healthcare associated infections.

ANTIMICROBIAL RESISTANCE

The Department of Microbiology having first sounded the alarm of global antimicrobial resistance from very early, has continued to monitor trends and patterns locally and internationally. Research led by Dr C Thoms-Rodriguez et al, continues to identify the mechanisms of resistance in operation in the organisms seen in clinical samples.

In addition, Dr Nicholson, Dr Tamara Thompson, the Head of Infectious Diseases at the UHWI and Dr Thorbourne, Director of Pharmacy Services, met to develop an Antimicrobial Stewardship Programme for the UHWI.

MYCOLOGY

Over the review period, the Mycology Unit, led by Dr G Reynolds-Campbell, in its work on environmental investigation of mold has tried several new media to aid in faster turnaround times and species differentiation. In addition, with the use of the mass spectrometer, the identification of yeasts and molds will be exponentially increased. This will provide fertile ground for research needed to provide answers to questions. Antifungal susceptibility testing has been started on a limited scale with the hope of improving on this offering. This will open the door to long awaited research, to add to the body of literature available internationally, on the susceptibility patterns of common fungi.

STUDENTS

The Department of Microbiology has a strong commitment to graduate and undergraduate education. Dr Karen Roye-Green is the Stage 1 Co-ordinator of the

MB BS programme while Dr G Reynolds-Campbell who is the Stage 2 Curriculum representative provides oversight for the Clerkship rotations and coordinates the DM examination along with Drs Thoms-Rodriguez and Dr I Vickers. Dr Thoms-Rodriguez is responsible for the FDT module (MB BS) and along with Dr Nicholson co-ordinates the DM Programme.

Ms N Christian has been the coordinator of the MSc programme, along with Professor Lindo while lecturers rotate the teaching in various sections. The graduate programmes in medical microbiology continue to offer broad training which provides our graduates with the flexibility and depth necessary to compete effectively for research positions in universities, industry and government. All graduate students are required to participate, actively, in Departmental Seminars/Conferences, Postgraduate Seminars and Journal Club as part of their course load. Faculty members in the department also participate in a number of other undergraduate and graduate programmes at the University.

AWARDS

Drs Kathryn Pearson and Anique Chin successfully completed the DM Medical Microbiology programme in 2019.

NEW PROGRAMME

The recently approved Postgraduate Diploma in Infection Prevention and Control in the Healthcare Environment will be offered in January 2021. It is being advertised via Campus pipeline and local newspapers across the Caribbean. This initiative is being led by Dr A Nicholson.

NIH-Fogarty Global Infectious Diseases Training programme:

This is being led by Dr J Anzinger and Professor J Lindo. Six scholars remain enrolled in the programme including two DM candidates (Drs Ynolde Leys and Camille Blake) two PhD candidates (Tiffany Butterfield and Suzette Cameron) one MPhil candidate (Chadwick Mears) and one postdoctoral fellow (Dr Michelle Brown). The programme was severely affected by the outbreak of SARS-CoV-2 Q1 2020 and this placed travel restrictions on the scholars who hope to take it up another time. In response, the scholars pivoted their efforts towards the study of SARS-CoV-2.

PUBLICATIONS

Book Chapter & Monograph

- Mullings J, McCaw Binns A, **Thoms-Rodriguez C**, Barton-Gooden A and Paul T (September 25th 2019). “Introductory Chapter: Mortality and Quality of Care Systems in LMICs, Strategies to Reduce Hospital Mortality in Lower and Middle Income Countries (LMICs) and Resource-Limited Settings”. *IntechOpen*: London, 2019. DOI:10.5772/intechopen.86804
- “Strategies to Reduce Hospital Mortality in Lower and Middle Income Countries (LMICs) and Resource-Limited Settings.” Ed. by Jasneth Mullings; Co edited by A McCaw Binns, **C Thoms-Rodriguez**, A Barton-Gooden and T Paul. *IntechOpen*: London, 2019. DOI: 10.5772/intechopen.73957

Refereed Journal Articles

- TR Butterfield, A Landay, **JJ Anzinger**. “Dysfunctional Immunometabolism in HIV Infection: Contributing Factors and Implications for Age-related Comorbid Diseases”. *Curr HIV/AIDS Rep.* 17, 2 (2020):125–137.
- M Chadha, S Hirve, C Bancej, I Barr, E Baumeister, B Caetano, M Chittaganpitch, B Darmaa, J Ellis, R Fasce, K Herve, **S Jackson**, et al. “Human respiratory syncytial virus and influenza seasonality patterns – early findings from the WHO global respiratory syncytial virus surveillance”. *Influenza and Other Respiratory Viruses*. 2020 Mar 12. DOI: 10.1111/irv.12726
- DA Cheung, **A Nicholson**, TR Butterfield, M DaCosta. “Prevalence, co-infection and antibiotic resistance of Escherichia Coli from blood and urine samples at a hospital in Jamaica”. *J Infect Dev Ctries* 14 (2020):146–152. DOI: 10.3855/jidc.11361
- A Hassan Gillani, J Chang, F Aslam, A Saeed, S Shukar, F Khanum, A Jairoun, A Nicholson, M Izham, M Ibrahim, Y Fang. “Public Knowledge, Attitude & Practice Regarding Antibiotic Use in Punjab, Pakistan: A Cross-Sectional study”. *Expert Review of Anti-Infective Therapy*. 2020 Sept 11. DOI: 10.1080/14787210.2021.182.3216
- S Hirve, N Crawford, R Palekar, W Zhang ...**S Jackson**. “Clinical characteristics, predictors, and performance of case definition—Interim results from the WHO global respiratory syncytial virus surveillance pilot”. *Influenza and Other Respiratory Viruses*. 2018 Sept 19. DOI:10.1111/irv.12688
- **S Jackson**, T Peret, TT Ziegler, NJ Thornburg, T Besselaar, S Broor, I Barr, E Baumeister, M Chadha, M Chittaganpitch, B Darmaa, J Ellis, R Fasce, B Herring, K Herve, S Hirve, Y Li, M Pisareva, A Moen...W Zhang. “Results from the WHO External Quality Assessment Program for the Respiratory Syncytial Virus,

2016-17". Influenza and Other Respiratory Viruses 2020 July 30. DOI: 10.1111/irv.12771

- R Pebody, J Moyes, S Hirve, H Campbell, **S Jackson**, A Moen, H Nair, EAF Simões, PG Smith, N Wairagkar, W Zhang. "Approaches to use the WHO Respiratory Syncytial Virus Surveillance platform to estimate disease burden". Influenza and Other Respiratory Viruses. 2019 Oct 8. DOI: 10.1111/irv.12667

Technical Report

- T Besselaar, A Cohen, D Feikin, J Fitzner, C Fuster, P Gould, S Hirve, **S Jackson**, B Maharjan, A Moen, R Palekar, E Sparrow, K Vandemaele, W Zhang. "WHO Strategy for Global Respiratory Syncytial Virus Surveillance Based on the Influenza Platform". Revised based on outcomes of the pilot phase. World Health Organization 2019.

PAPERS PRESENTED

Oral Presentation

- **J Anzinger**. "Dengue Fever in Jamaica – Endemic or Epidemic?" The Association of Consultant Physicians of Jamaica Mastery in Medicine Viral Diseases & Leptospirosis Webinar. Kingston, Jamaica, June 14, 2020.
- **J Anzinger**. "CoVID-19: Who to test, what lab test, & when?" HIV ECHO Video Conference. Kingston, Jamaica, 2020.
- **J Anzinger**. "CoVID-19: Who to test, what lab test, & when? The University of the West Indies, Faculty of Medical Sciences "CoVID-19: Approaching Code Red Teleconference". Kingston, Jamaica, 2020.
- **J Anzinger**. "Seroprevalence of Zika, dengue, and chikungunya viruses in antenatal clinic attendees, Jamaica". ZIKAction Consortium Meeting. Guayaquil, Ecuador, 2019.
- **J Anzinger**. 11th Meeting of the Regional Certification Committee (RCC) for the Polio Endgame in the Region of the Americas. Bill & Melinda Gates Foundation. Seattle, WA, USA, 2019.
- A Bruce-Mowatt, S Mair, T Williams, **M Smikle**, **G Reynolds**. "The use of a breadfruit based media to improve the turnaround time and identification of fungal specimen". 10th Annual Ministry of Health Research Conference. Kingston Jamaica, November 2019.
- **S. Jackson**. "Demystifying CoVID-19 Screening". FST Science for Today Forum Series, Fighting CoVID-19: Science in Action. Faculty of Science and Technology, July 2020. <https://www.youtube.com/watch?v=BkST60TBI6Q>

- **S. Jackson.** “The Behaviour of the SARS-CoV2 Virus from Wuhan to Jamaica”. Faculty of Medical Sciences CoVID-19 Pandemic Preparedness Conference, CoVID-19: Approaching Code Red, The University of the West Indies, Mona Campus, April 19, 2020. <https://www.youtube.com/watch?v=KnO-FB8nDT8>
- **S. Jackson.** “Family of Viruses-Symptoms and Transmittal”. Manpower and Maintenance Services Limited Group Workshop Coronavirus: Facts not Fear-Fighting Back, Spanish Court Hotel, Kingston, March 5, 2020.
- **S. Jackson.** “Virology, Pathogenesis and Infection Control”. FMS CoVID-19 Pandemic Preparedness Conference. Faculty of Medical Sciences, Teaching and Research Complex, Lecture Theatre 3, The University of the West Indies, Mona Campus, Thursday, March 5, 2020. <https://www.youtube.com/watch?v=i0Z9Za6of8>
- **S. Jackson.** “The National Influenza Centre’s role in Jamaica”. Vice-Chancellor’s Forum Demystifying the Coronavirus (2019-nCoV), Ramson Meeting Room, The University of the West Indies Regional Headquarters, Thursday, January 30, 2020.
- **A Nicholson.** “Coronavirus Pandemic: The Jamaican Experience”. Collaborative meeting with CCFPJ and GSK, April 22, 2020.
- **A Nicholson.** “Antimicrobial Resistance—are we making progress?” CCFPJ-JVMA One Health Conference on Antimicrobial Resistance, Themed: Together We Are Stronger, November 3, 2019.
- **A Nicholson.** “CoVID-19 Infection Prevention and Control. Part 1. The UHWI CoVID-19 Conference Series, April 2020. Streamed live at: <https://vimeo.com/412549899/f089947ca0>
- **A Nicholson.** “CoVID-19 Infection Prevention and Control Part 2: Personal Protective Equipment”. The UHWI CoVID-19 Conference Series.
- **A Nicholson.** “Profile of Antimicrobial Resistance in Jamaica”. Pan American Health Organisation Infection Control National Strategy Workshop. Kingston, Jamaica. December 2019.
- **A Nicholson.** “Infection Prevention & Control in Jamaica”. Caribbean Association of Clinical Microbiologists (CACM) 15th Annual Scientific Symposium, Suriname, November 2019.
- **K Pearson, G Reynolds, J Lindo.** “Patterns in Neonatal sepsis at the University Hospital of the West Indies”. 10th Annual Ministry of Health Research Conference. Kingston Jamaica, November 2019.
- **K Roye-Green, R Willis, Z Romay-Penabad, E Papalardo, A Schleh, EB Gonzalez, M Smikle.** “Vitamin D Deficiency Enhances Antiphospholipid Anti-body-Mediated Thrombosis in a Passive Immunization Mouse Model”. 28th Annual

Faculty of Medical Sciences Research Conference and Workshop Genomics in Health: Medical, Ethical and Societal Matters. The University of the West Indies, Mona, Jamaica, November 7–10, 2019.

- **C Thoms-Rodriguez, G Reynolds, J Foster, S. Jarrett, D Taylor, J Walker, A Nicholson.** “Epidemiological characteristics and antibiotic susceptibility of *Enterococcus* species isolated at, University Hospital of the West Indies in 2018”. 28th Annual Faculty of Medical Sciences Research Conference and Workshop. The University of the West Indies, Mona, Jamaica, November 2019.
- **C Thoms-Rodriguez, G Reynolds, J Foster, S. Jarrett, D Taylor, J Walker, A Nicholson.** “Epidemiological characteristics and antibiotic susceptibility of *Enterococcus* species isolated at, University Hospital of the West Indies in 2018”. 15th Annual Symposium of the Caribbean Association of Clinical Microbiologists. Paramaribo Suriname, November 2019.
- **C Thoms-Rodriguez, G Reynolds, J Foster, S. Jarrett, D Taylor, J Walker, A Nicholson.** “VRE prevalence in a tertiary care hospital in the Caribbean; a Jamaican perspective”. 15th Annual Symposium of the Caribbean Association of Clinical Microbiologists. Paramaribo, Suriname, November 2019.
- **C Thoms-Rodriguez.** “Testing Repertoire for Diagnosis of CoVID-19: Choices & Performance”. 2nd University Hospital of the West Indies CoVID-19 Conference Series. Video Conference, July 08, 2020.
- **C Thoms-Rodriguez.** “ESBL and AMPC Betalactamases- Lessons and Inferences”. 15th Annual Caribbean Association of Clinical Microbiologists Symposium. Suriname, November 16, 2019.
- **C Thoms-Rodriguez.** “Diagnosis of Extended Spectrum Betalactamases (ESBLs)”. Local meeting of the Caribbean Association of Clinical Microbiologists Symposium, Department of Microbiology. The University of the West Indies, Mona, October 2019.

Poster Presentation

- M Aziz, A Nicholson, M Nadimpalli, S Sariya, M Thame, C Thoms-Rodriguez, L Price, N Singh, C Liu. “Outbreaks of *Klebsiella pneumoniae* in Special Care Nurseries (SCN) in Jamaica: Role of Whole Genome Sequencing.” IDWEEK. Walter E. Washington Convention Center, Washington DC, October 2–6, 2019.
- **G Reynolds, N McKnight.** “Distribution and trends in environmental and clinical fungal isolates over 3-years at the UHWI mycology laboratory”. 28th Annual Faculty of Medical Sciences Research Conference and Workshop. The University of the West Indies, Mona, Jamaica, November 2019.
- **G Reynolds, N McKnight.** “Distribution and trends in environmental and

clinical fungal isolates over 3-years at the UHWI mycology laboratory”. 10th Annual Ministry of Health Research Conference. Kingston Jamaica, November 2019.

- **C Thoms-Rodriguez**, K Facey, S Stone, G Reynolds-Campbell, O Heslop, AM Nicholson. “A Study of Invasive Fungal Pathogens Isolated from Sterile Sites in a Jamaican Cohort.” Electronic Poster presented at ASM Microbe 2020 held virtually due to CoVID-19 in June 2020.

PUBLIC SERVICE

Dr. Joshua Anzinger

- Member, Caribbean Sub-regional Certification Committee for the Global Eradication of Poliomyelitis. Pan American Health Organization (PAHO). 2015–present.
- Member, The Arbovirus Diagnostic Network of the Americans (RELDA). 2017–present.
- Director, Global Virus Network, Jamaica Affiliate. Global Virus Network. 2018–present.

Professor John Lindo

- Co-chair of the SUNY-UWI Health Research Consortium.
- Member, Board of Management, The University Hospital of the West Indies.
- Chair, Procurement Committee, The University Hospital of the West Indies.
- Member, Rotary Club of New Kingston.

Dr. Alison Nicholson

- Member of Governance Team, The UHWI Taskforce on 2019 Novel Coronavirus (2019-nCoV or SARS-CoV-2).
- Member/Adviser, MOHW/MICAF/WHO/PAHO/The UWI/NHF Antimicrobial Technical Working Group (AMR), Kingston Jamaica. Since 2015.
- Chair, Infection Prevention and Control Committee, The UWI/UHWI. Since 2015.
- Member, National Health Fund Patient Education and Medication Compliance Programme Committee. Since 2019.
- Member, West Indian Medical Journal Editorial Board. Since 2019.

Dr. Glendee Reynolds-Campbell

- President, Caribbean Association of Clinical Microbiologists (CACM). Since 2019.

- Jamaican delegate and member of the International Histoplasmosis Advocacy Group (IHAG). Since 2019.

Dr. Camille Thoms-Rodriguez

- Member of the Oversight Committee for The University Hospital of the West Indies (The UHWI) Neonatal Protocols Implementation Programme. Since January 2018.
- Jamaican delegate Regional Meeting on TB Research, Sao Paulo, Brazil, September 9–10, 2019 aimed at, among other things, accelerating the implementation of the third pillar of the End TB strategy in the Americas.
- Appointed the Jamaican Young Ambassador to the American Society of Microbiologists 2019–2020.
- Member of the American Society of Microbiology 2012–present.
- Member of the Caribbean Association of Clinical Microbiologists 2008–present, currently serving as Secretary.



DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

Dr. Carole Rattray, MBBS, DM (O&G), FRCOG, FACOG – Head of Department

WORK OF THE DEPARTMENT

The Department under the leadership of Dr Carole Rattray had a great year. The lecturers are grouped into four areas, general Obstetrics and Gynaecology, Maternal-Fetal Medicine, Fertility Management and Minimal Invasive Gynaecological Surgery and Gynaecological Oncology.

Students from years 3, 4 and 5 are lectured and tutored in general obstetrics and gynaecology by the staff of lecturers and associate lecturers in small groups, in clinics, on the hospital wards and operating theatres. Graduate students in the Doctor of Medicine specialist training program are taught in 10 week modules. These modules are delivered over a 4 year cycle and in this calendar year the cycle will be completed. The Fellowship program in Gynecological Oncology will graduate its first two Fellows in 2020 and four others are currently enrolled in the program

Harmonization with lecturers from the Bahamas, Barbados and Trinidad Campuses was maintained for the planning and delivery of undergraduate and postgraduate examinations. Bi-annual meetings were held as a 4-campus group to set standard for the undergraduate and post-graduate final examinations for the year under the stewardship of Dr Carole Rattray as University examiner.

The cornerstone of our postgraduate teaching program and mentor, for over 35 years, Dr Santosh Kulkarni went on pre-retirement leave in 2020. His indispensable contribution to the department was the integration of a comprehensive set of modular post-graduate courses, delivered over 5 years. These modules consist of 10–12 week courses and they are in the 5th of a 5 year cycle.

Professor and former Dean of the FMS Professor Horace Fletcher returned to the department to give a much needed push in the area of research. He has a funded research project looking at the adjunctive treatment of 3 different cancers that are prevalent, with a neutraceutical product. He also conducts a weekly review with the DM students group discussing their research projects.

The JOTTE program, a training program in collaboration with UWISON was conceptualised and given birth to by our immediate past Head Dr Carole Rattray, is leading to some research work looking at its impact. The papers that are ready for publication are, Jamaica Core Obstetrics Teaching and Training in Emergencies and its Effect on Postpartum Haemorrhage at a Jamaican Teaching Hospital and Jamaica Obstetric Teaching and Training in Emergencies (JOTTIE) and its effectiveness by Dr. Carole Rattray, Dr. Michelle Campbell Mitchell, Dr. Cathy Maddan, Dr. Lenroy Bryan.

Dr Maddan, the DM1 course coordinator, introduced an initiative to encourage the students – the *Introduction of Essay Writing Competition*. The Prize was a voucher from the UWI Book Shop. She states that one of her aims is to Improve Teaching, Learning & Student Development.

Oncology multispecialty Tumour Board meetings are conducted monthly in collaboration with the International Gynaecological Cancer Society (IGCS) Project ECHO. This includes specialists from Ireland the USA and the Caribbean region. Other specialities pathology medical oncology radiology general surgery are also involved and monthly gynaecology /gynaecology oncology audits are held to see how we are doing in the department and how we can change to ensure best practices.

The world changed in March 2020 when Jamaica recorded its first case of SARS COV2 infection in a traveller from the UK. The lecturers under the stewardship and guidance of Dr Rattray along the course co-ordinators Dr Sharifa Frederick, Dr Natalie Medley, Donnette Simms Stewart, Cathy Maddan and “OSCEologist” Dr Mathew Taylor, rapidly created online courses on ourVLE utilizing Blackboard collaborate and Zoom tutorials to put our entire syllabus in an online package. The last group of final year students were examined online with multiple choice format papers and unmanned OSCE’s. This served as a trial run for the final MBBS supervised by the BUS UWI. For the ensuing 5 months the Department has been at the forefront of the fight against COVID in Jamaica. Planned research: SARS-CoV-2 in Women Admitted to the Labour and Delivery Unit at The University Hospital of the West Indies: A Clinico-Pathological Perspective – Dr. Michelle Campbell Mitchell, Dr. Shanna-Kay Fender, *Dr. Karen Bishop, Dr. PetaGaye Thomas Brown, Dr. Carole Rattray.

PUBLICATIONS

- Tiffany Hunter-Greaves, Natalie Medley-Singh, Nastassia Tate, Anjanette McDaniel, Donnette Simms-Stewart & Carole Rattray (2020): Contraceptive practices in women with chronic medical conditions, *Journal of Obstetrics and Gynaecology*, DOI: 10.1080/01443615.2020.1788522.

- Carroll K, Pottinger AM, Wynter S, DaCosta V. Marijuana use and its influence on sperm morphology and motility: identified risk for fertility among Jamaican men. *Andrology*. 2020;8 (1):136-142. doi:10.1111/andr.12670 Impact Factor 3.106. 3 citations.
- N Medley, A Robinson, I Bambury, C Rattray What factors affect quality of life in patients with gynaecologic cancers? A prospective cohort study at the University Hospital of the West Indies, *International Journal of Gynecological Cancer* 2019 Volume 29, suppl 4.
- Astrid Batchelor, Ian Bambury, Poster Presentation for American Congress of Obstetrics and Gynaecology (ACOG) September 2019: Ovarian cancer in children and Young Adults; Management and outcome.

LECTURES

- Dr S Wynter presented on the topic Common Gynaecological Issues in Adolescence. The Ministry of Health in collaboration with University Hospital of the West Indies 9th Annual national workshop “*The Adolescent Patient*” at the RIU Hotel, Montego Bay, Jamaica, December 1, 2019.
- Dr Michelle Campbell presented a paper entitled Jamaica Obstetric Teaching and Training in Emergencies (JOTTIE) and its effectiveness – Dr. Carole Rattray, Dr. Michelle Campbell Mitchell, Dr. Cathy Maddan, Dr. Lenroy Bryan. ACOG Annual District Meeting, September 27–29, 2019.
- Dr Simms Stewart as Chairman of the West Indies Section of the ACOG West Indies section, District 1V – Oct 2016 – OCT 2019 was the workshop chair and presenter at the **Contraceptive Options Workshop** Bayer Pharmaceuticals in association with The American College of Obstetricians and Gynaecologists – Oct 15, 2019, Terra Nova Hotel Kingston.
- Dr Bambury represented the Department internationally presenting A Case of Cervical Cancer in Pregnancy at the IGCS Rio de Janeiro Brazil in September 2019. Dr Ian Bambury also presented a paper on the Management of Pre-invasive Disease of the Cervix, at the Dr Joseph St Elmo Hall Memorial Lecture Series, Webinar May 31, 2020.
- Dr Cathy Maddan presented at the Annual Perinatal Conference 2020 – The Morbidly Adherent Placenta. She also presented Updates in Managing Postpartum Haemorrhage, at the Jamaica Midwife Association Annual Conference 2020

AWARDS

Dr Donnette Simms Stewart was presented with **The DEAN’S AWARD – 2019** – Presented to the department for publication in the BMJ entitled Effect of high dose

folic acid supplementation in pregnancy on pre-eclampsia (FACT): double blind, phase III, randomised controlled, international, multicentre trial (*BMJ* 2018;362:k3478)

UWI AND PUBLIC SERVICE

The Department provides a service to the university community through sessional clinics at the University Health Centre where a consultant attends at the HC once a month to see referrals.

- Dr Maddan sits on the National Maternal Health Committee of the Ministry of Health and Wellness, she is Volunteer Physician – Elsie Beman Home for Girls, Kingston.
- Dr Michelle Campbell Mitchell volunteers at Hope Gospel Assembly Care Clinic and Hope Gospel Assembly Back-To-School Fair Charity.
- Dr Bambury leading the Oncology firm provides consultation for a wide cross-section of referrals from all over the island with patients with gynaecological malignancies. The number of referrals has been increasing over the last couple of years as we are the only Centre with full gynecology oncology services. We also provide management for pre-invasive disease of the cervix which will have a positive impact on the country as treating these patients will lower the incidence of cervical cancer in Jamaica. In addition, we have offered cervical cancer screening to the hospital staff along with educational activities promoting screening.



DEPARTMENT OF PATHOLOGY

**Dr. Tracey Gibson, MBBS, DM (Pathology), MSc Medical Genetics –
Head of Department**

WORK OF THE DEPARTMENT

The Department of Pathology is comprised of three (3) sub-departments: Anatomical Pathology, Chemical Pathology and Haematology/Oncology. Each of these sub-departments contributes to the teaching, research and clinical/laboratory service work of the department, through the several laboratories and units that each operates and manages, as follows:

1. Anatomical Pathology – Autopsy service, Cytogenetics, Cytology & Histology (including Immunohistochemistry) Laboratories and the Jamaica Cancer Registry
2. Chemical Pathology – Chemical Pathology Laboratory
3. Haematology/Oncology – Blood Bank, Routine Haematology & Flow Cytometry Laboratories and Clinic Services (In- and Out-patient) in Haematology and Oncology

The 2019/2020 academic year was quite eventful for the Department of Pathology. The year began with a new Head, Dr. Tracey Gibson, but also with the passing, on August 1, 2019, of one of its stalwart academics, and eminent member of the University community, Professor Barrie Hanchard. Despite this tremendous loss, and the emotional and physical displacements that ensued, the department eventually forged ahead, only to be hampered, as the rest of the University was, in March 2020 by the Covid-19 pandemic. Nonetheless, the department re-organized itself, adapting to the new public health requirements for interpersonal interactions, and proceeded with its work, through targeting the objectives of its University-allied Strategic Plan.

ACCESS

STUDENTS

Undergraduate Programmes

The department continued to teach students in the MBBS, DDS and BBMedSci programmes offered by the Faculty of Medical Sciences, as follows: (1) Lectures and tutorials for students in years 1 and 2 of the DDS and BBMedSci programmes, (2) Lectures and tutorials for MBBS students in years 1, 2 & 3 (3) Seminars and tutorials for MBBS students in year 4, who spend 10-week rotations in the department, in a joint clerkship with the Department of Microbiology.

In order to meet public health safety requirements imposed as a result of the Covid-19 pandemic, and in accordance with University policy, the department began delivering teaching through online, rather than face-to-face, platforms in April 2020. This required significant adjustments by both lecturers and students, but the feedback received from students has been favourable thus far.

Graduate Programmes

Doctor of Medicine (DM) programmes

- *DM Chemical Pathology*: One student continued in this programme.
- *DM Haematology/Oncology*: There were a total of twelve students. Examinations scheduled for May/June 2020 were postponed to November/December 2020, as a result of the Covid-19 pandemic.
- *DM Pathology*: There were a total of fifteen students. In the November/December 2019 examinations, 3 of 4 Part II (exit) candidates and all 4 Part I candidates were successful.

Teaching in the DM programmes was also hampered by the Covid-19 pandemic, as students were required to receive their clinical/laboratory experience in segregated teams. Didactic teaching was converted to an online format.

MPhil/PhD Chemical Pathology

Three students continued in the MPhil/PhD programme in Chemical Pathology.

RESEARCH & INNOVATION

In an effort to increase research activity and publication output, the department formulated a Research Plan with the following key features: (1) Assignment of one

member of the academic staff to oversee departmental research activities (2) Establishment of Research Groups within the department (3) Greater inclusion of technological staff in the research process.

Much of this planned activity was hampered by the Covid-19 pandemic, but the department will persist with this research plan into the next academic year.

Jamaica Cancer Registry

Case registration continued in the Jamaica Cancer Registry, as the unit sought to perform completeness checks and begin validation of data for the 2013 – 2017 collection period. Once these processes have been completed, new data will be ready for analysis and publication.

The registry additionally continued its bid to acquire funding for mortality registration. If successful, this will enhance the quality of the registry's work, as well as increase the publication output.

Clinicopathological Conferences

Each academic year, the Department of Pathology hosts the weekly Clinicopathologic Conferences of the Faculty of Medical Sciences. In the 2019/2020 academic year, the department established the Professor Barrie Hanchard Memorial Lecture, and this lecture will henceforth start the Clinicopathologic Conference calendar each academic year. The inaugural lecture was held on October 23, 2019, the Guest Lecturer was Dr. Aggrey Irons, and the title of his well-received lecture was "The Psychological Impact of Cancer".

Sick Kids-Caribbean Initiative (SCI)

The funded SCI project continued, with the registration of childhood cancer cases, case rounds and referrals to the Hospital for Sick Children (Sick Kids) in Toronto, Canada. SCI also supported post-doctoral apprenticeship for one haematology resident in: (1) Childhood and adult Haemophilia centres in Canada, (2) Blood banking in Canada and (3) Haemophilia care in India at a high volume centre. The SCI was also instrumental in securing a grant of CAD21,000 for Jamaica's participation in the MADE project, which was established to validate an online tool for use by persons with haemophilia. Jamaica was the only participating Caribbean country.

National Institutes of Health (NIH) collaboration

The Human T-cell Lymphotropic Virus, Type 1 (HTLV-I) project continues with referrals made to the NIH for enrolment in clinical trials, of patients with Adult T-cell

Leukaemia/Lymphoma (ATLL). In 2019, this NIH-funded project received the Principal's Research Award for attracting most research funding in the Faculty of Medical Sciences.

PUBLICATIONS

Book Chapters

- Omoruyi F, Sparks J, Stennett D, **Dilworth L** (2020). Superoxide dismutase as a measure of antioxidant status and its application to diabetes. In: Preedy VR (ed.) "Diabetes, Oxidative stress and Dietary Supplements" Second edition. Academic Press: An Elsevier Science Imprint, 409-417.
- Miller, F., Anderson , M., Tucker, D., **Vaz, K.**, Brown, J., Anderson-Jackson, L., and **McGrowder, D. A.** (2020) Diabetes: Biopsychosocial Features Affecting Metabolic Control and Treatment Adherence. In Taukeni, S. G. (Ed.), Biopsychosocial Perspectives and Practices for Addressing Communicable and Non-Communicable Diseases (pp. 106-133). IGI Global. <http://doi:10.4018/978-17998-2139-7.ch007>.
- Anderson, M., Tucker, D., Miller, F.G., **Vaz, K.**, Anderson-Jackson, L., and **McGrowder, D.** (2020). Quality of Life and Well-Being of Breast Cancer patients. In S. Padmanaban, & C. Subudhi (Eds.) Psycho-Social Perspectives on Mental Health and Well-Being (pp.67-94). Hershey, PA: IGI Global. Doi:10.4018/978-17998-1185-5.ch004.

Refereed Journal Articles

- West W, **Brady-West D.** "Comparison of Computed Tomography Pulmonary Angiograms at the University Hospital of the West Indies, Jamaica with reported Cases in Literature". *West Indian Med J* 2019; 68 (2): 160-164.
- Francis K, South C, Williams B, Gabriel K, **Bromfield M.** "Desmoplastic small round cell tumour in the Afro-Caribbean population: Case report with imaging findings" *BJR Case Reports* 2020;6(1):20190060.
- Foster SR, **Dilworth LL**, Sparks J, Alexander-Lindo RL, Omoruyi FO. "Combined Inositol Hexakisphosphate and Inositol Supplement Consumption Improves Serum Alpha-amylase Activity and Hematological Parameters in Streptozotocin-Induced Type 2 Diabetic Rats," *Adv Pharmacol Sci*, 2019; 2019: 4143137. <http://doi.org/10.1155/2010/4143137>.
- **Dilworth L**, Stennett D, Omoruyi F. "Effects of Moringa (*Moringa oleifera*) leaf extract on human promyelocytic leukemia cells subjected to oxidative stress. *Journal of Medicinal Food year*, 23.10.1089/jmf.2019.0192.

- Campbell E, Irving R, Poudevigne M, **Dilworth L**, McFarlane S, Ismail O, Bailey J. “Contextual factors and sporting success: The relationship between birth date and place of early development on the progression of Jamaican track and field athletes from junior to senior level.” *PLoS One* 2019 Dec27;14(12):e0227144.doi:10.1371/journal.pone.0227144.eCollection2019.
- Spence D, Argentieri MA, Andall-Brereton G, Anderson BO, Duggan C, Bodkyn C, Bray F, **Gibson T**, Garcia WG, Greaves N, Gupta S, Hobday V, McLean F, Mery L, Nimrod M, Ocho O, Sin Quee-Brown C, Tortolero-Luna G, Shields AE. “Advancing cancer care and prevention in the Caribbean: a survey of strategies for the region”. *Lancet Oncol.* 2019; 20(9):e522-e534. doi: 10.1016/S1470-045(19)30516-9.
- Reid S, Donaldson-Davis K, Willie-Tyndale D, Thompson C, **Wharfe G**, **Gibson T**, Eldemire-Shearer D, James K. “Breast Cancer in Jamaica: Trends From 2010 to 2014—Is Mortality Increasing”? *JCO Global Oncology* 2020 :6; 837-843
- Jackson, M.D., Tulloch-Reid, M.K., McCaw-Binns, A.M., Aiken, W., Ferguson, T.S., Bennett, N., Harrison, L., Badaloo, A., **McGrowder, D.**, Grindley, A., Walker, E. and Anderson, S.G. “Central adiposity at diagnosis may reduce prostate cancer-specific mortality in African-Caribbean men with prostate cancer: 10-year follow-up of participants in a case-control study.” *Cancer Causes Control* 2020;31(7):651-662.
- Nwokocha, C.R., McCalla, G., Palacios, J., Rattray, V.R., **Nwokocha, M.**, **McGrowder, D.** (2020). “Protective effects of Apocynin against Cadmium toxicity and serum parameters; evidence of a cardio-protective influence. *Inorganica Chimica Acta* 2020; 503:119441.
- Roberts PO, deSouza TG, Grant BM, Wanliss MG, Leake PE, Johnson AR, Brown HA, Plummer JM, **Thompson RK**. “Pathologic Factors Affecting Colorectal Cancer Survival in a Jamaican Population—the UHWI Experience. *J Racial Ethn Health Disparities.* 2020;7(3):413-420.doi:1007/s40615-019-00669-7
- Logan KA, Asemota H, Nwokocha C, Lawrence MA, **Thompson RK**, **Nwokocha M**, Bakir M. “The Effects of Synthesized Semicarbazone Copper Complex on Blood Pressure in Normotensive and L-NAME Induced Hypertensive Rats. *J Biotechnol Biomed* 2020;3(2):067-077.DOI:10.26502/jbb.2642-91280028

ALIGNMENT

Members of staff presented at various scientific conferences, and the department continued its plan of conducting research that responds to government demands, the latter through three research projects being undertaken by the MPhil/PhD Chemical

Pathology students. The projects, which will investigate biochemical recurrence in prostate, breast and colorectal cancers, are in alignment with the cancer control plan of the Ministry of Health and Wellness.

PAPERS PRESENTED

- **M. Bromfield.** “Light chain disease and Kidney Failure” 12th Annual International Conference on Nephrology and Hypertension “Targeting Kidney Issues Together” January 24–25, 2020 Pegasus Hotel, Kingston Jamaica.
- **L. Dilworth.** “Role and Application of tumour markers.” 20th Annual Symposium of The Jamaican Association of Clinical Pathologists, November 17, 2019.
- **L. Dilworth.** “Early Laboratory markers of Bone disease in CKD.” 6th Annual International Conference on Nephrology and Hypertension, Caribbean Institute of Nephrology, January 30–February 1, 2020.
- **D. Lowe.** “Optimizing therapy in Her2+ Breast Cancer – Neoadjuvant and Adjuvant Approach.” Roche Pharmaceuticals training workshop, Marriott Hotel, Miami Dade, Florida, September 9, 2019.
- **D. Lowe.** “Exercise during and After Chemotherapy.” – Annual Sports Medicine Symposium, Mona Visitors Lodge, UWI, Mona, Kingston, September 22, 2019.
- **D. Lowe.** “Managing Treatment Related Neuropathy in Multiple Myeloma” Biannual Multiple Myeloma Symposium, Knutsford Court Hotel, Kingston, February 9, 2020.
- **R. Thompson.** “Concord or Discord – Rad/Path correlation in breast disease”. The Jamaican Association of Clinical Pathologists 20th Annual Symposium November 17, 2019.

PUBLIC SERVICE

- Cytopathology Consultation for the Jamaica Cancer Society: Dr. K. Bishop, Dr. M. Bromfield, Prof. G. Char, Prof. C. Escoffery, Dr. T. Gibson, Dr. J. Jaggon, Dr. S. Shirley, Dr. R. Thompson, Dr. N. Williams
- Dr. D. McGrowder: Member, Accreditation Evaluation Committee, Jamaica National Agency for Accreditation (JANAAC)
- Dr. L Dilworth: Board Member, North Eastern Health Regional Authority; Board Member, University Council of Jamaica; Board Member, The Council of Community Colleges of Jamaica
- Dr. G. Wharfe: Chair, Haemophilia Society of Jamaica; Member, Oncology Advisory Board, National Health Fund

- Dr. S. Chin: Oncology Advisory Board, National Health Fund, Jamaica
- Dr. D. Lowe: Volunteer Clinician, National Blood Transfusion Service
- Dr. D. Brady West: Jamaica National Bioethics Committee.

AGILITY

INCOME GENERATION AND CLINICAL LABORATORY SERVICE

The department continued its income generating activities. Although income decreased significantly during the months April–June 2020, as a result of the Covid-19 pandemic, an upturn in revenue commenced in July 2020.

Laboratories and Autopsy Service

Laboratories

- Histology: 5,524 surgical cases (generating 37,413 tests) and 1,202 immunohistochemistry tests
- Cytology: 1565 gynaecological and 543 non-gynaecological cases
- Cytogenetics: 16 cases (13 blood and 3 tissue).
- Chemical Pathology: 910,258 tests.
- Routine Haematology: 96,950 tests,
- Blood Bank: 4,151 blood donors processed and 9,414 tests performed

Autopsy service

- 97 autopsies (26 perinatal and 71 adult)

Laboratory Accreditation

The pathology laboratories accredited by the Jamaica National Agency for Accreditation (JANAAC) underwent their first annual surveillance visit in October 2019 and were successful in maintaining their accreditation status, thus assisting in ensuring competitiveness in the marketplace.

DEPARTMENT OF SURGERY, RADIOLOGY, ANAESTHESIA & INTENSIVE CARE

Professor Joseph Plummer, DM, FASCRS, FACS – Head of Department



WORK IN THE DEPARTMENT

The Department of Surgery, Radiology, Anaesthesia and Intensive Care (SURRADIC), is the largest clinical department in the Faculty of Medical Sciences (FMS) with four divisions, namely: Surgery, Radiology, Anaesthesia and Intensive Care and Emergency Medicine. During the year under review, albeit we had grand plans, these were altered by the challenges presented by the COVID-19 pandemic. The opportunities presented by this global pandemic were also seized to the benefit of our undergraduates and post graduates with significant alterations in our teaching and learning environment. During the period under review we saw the re-training of our faculty with respect to online delivery and successfully transitioned all teaching activities for undergraduates and postgraduates online. The Our Virtual Learning Environment (OurVLE) platform was utilized to coordinate these academic activities and where necessary supplemented by Zoom; these included end of clerkship exams. The feedback from students have been positive, even though there is always room for improvement.

A major focus of the Department remains research relevant to the region and clinical services. While our research activities and plans to improve on research capacity were negatively affected by COVID-19, we are an integral part of the UHWI COVID-19 Task-force and continue to lead in our provision of clinical services, whilst responding appropriately to the new demands of our skills and services induced by COVID-19, especially in the area of Anaesthesia and Critical Care. The COVID-19 challenges, while well acknowledged, have not significantly affected the Department's strategic plan which remains firmly grounded on the pillars of: teaching and education, infrastructure and outreach, research, clinical services and are aligned with the University of the West Indies' guiding pillars of Access, Alignment and Agility.

ACCESS

TEACHING AND EDUCATION

The Department started on a high note with the opening ceremony of the Peter Fletcher Lecture Theatre which was refurbished and would have been a main site for the online delivery of lectures from the Mona Campus. A donation was received for the purchase of equipment for the refurbishment of the Surgical Skills Laboratory at the CHASE Carnegie Skills Laboratory for the implementation of its various functions. It was recognized that the use of this environment for clinical skills acquisition had limitations, but with the restrictions induced by COVID-19 (reduced clinical opportunities and maintaining social distances), we anticipate an increasing importance in this simulated environment for teaching in the upcoming year. In addition, closer attention is also being paid to competency based acquisition of skills.

The integration of information technology in teaching and learning was a major area of focus for the Department. All examinations were shifted to the virtual environment, and although there are continued challenges with the use of the OurVLE and Blackboard platforms for clinical assessment, the Department remains motivated and adapted to these challenges whilst maintaining the quality teaching and learning environment expected of the Faculty of Medical Sciences, University of the West Indies. With the necessary modifications, the MBBS Surgery was completed as a part of the MBBS May/June Examinations with a 95 percent pass rate and included several honours and distinctions.

All postgraduate programmes were also significantly affected by COVID-19 pandemic, but re-emerged stronger online, with the administration of structured tutorials and the mandatory skills sessions in the simulated environment of the CHASE Carnegie Skills Laboratory. Our various Multi-Disciplinary Rounds and Journal Clubs were shifted to purely online with greater attendance and increased participation including postgraduate students from other campuses and doctors in lesser territories. These gains we hope to retain after we have successfully navigated COVID-19.

We had the November/December postgraduate Examinations with some successful candidates at the Part 1 and which saw the following individuals being awarded the Doctor of Medicine (DM) degree.

DM Anaesthesia and Intensive Care

Dr Alicia Morris

Dr Alicia Johnson

Dr Antonelle Davis

Dr Terri-Anne Russell

DM Neurosurgery

Dr Preci Hamilton

DM Orthopaedics

Dr Jansen Johnson

DM Cardiothoracic Surgery

Dr. Chrisita Powlett

DM Urology

Dr Marie Brown

DM General Surgery

Dr Jon Anthony Pryce

During the period under review, and in keeping with our Department's strategic plan, we benefited from several international guest lectures led by Dr Vincent Reid, Clinical Associate Professor of Surgery, University of Iowa Health Care, who addressed, 'Disparities in Breast Cancer Care'. Additional presenters were: computational biologist at Weill Cornell Medicine, Camir Ricketts, Anthony J. Carlese from Albert Einstein School of Medicine and Professor Arthur Burnett from John Hopkins University. The FMS, SURRADIC, in collaboration with the Ministry of Health and Wellness, the Bustamante Hospital for Children and the Gillette Children Hospital in Minnesota celebrated the 27th Spasticity Management Medical Mission in February 2020. Rehabilitation Medicine continues to be a targeted area for growth for the Department's Physical Medicine and Rehabilitation Division.

RESEARCH

While members of the Department remain committed to the conduct of impactful and relevant research and research related activities, our efforts were challenged by the pandemic. We had a noticeable presence at the Faculty of Medical Sciences' Annual Research Conference but our Clinical Research Evening was postponed because of the COVID-19 effect. We however were able to host our Research Resources and Grant Writing Seminar led by Professor Marvin Reid in an attempt to strengthen our research capacity. The marginal reduction in peer reviewed publications compared to the previous year was not surprising neither was our limited success in attracting funding for our research activities.

The 18th staging of the Caribbean Neurosciences Symposium and Charity Golf Tournament was held in February 2020, but this time was taken back to its home at the Faculty of Medical Sciences Teaching and Research Complex at the Mona Campus. The offerings at this Symposium included cutting edge interventional

medicine, cancer care, trauma and critical care among others. The Symposium remains very popular with several international guest lecturers; funds generated go directly to the benefit of the Department's capital expenditures.

The Department maintains three Academic Research Registries:

The Trauma Registry

We had a complete overhaul of this registry with the use of the open source software RedCap as a cost savings measure. A further improvement on our operations saw us moving to the paperless management of the data. The Trauma Registry remains a tremendous potential for further publications and is underutilized. We hope to participate in greater collaborative efforts with the Ministry of Health and Wellness and Non-Governmental Organizations such as the Violence Prevention Alliance or the National Road Safety Council to truly improve the research output from this registry.

The Intracranial Tumour Registry

Based in the Section of Surgery's Research Office is a radio-clinico-pathological database of intracranial tumours for 1,350 patient records, utilising the software CNExT. This project is a collaborative effort between the Neurosurgery Service, the Section of Radiology and the Department of Pathology, UWI.

The Colorectal Cancer Registry

This registry maintains a database on all cases of colorectal cancer sourced from major health facilities across Jamaica. To date over 1,800 cases have been entered and this data allows for evidence-based research in the diagnosis and treatment of colorectal cancer and has been the source data for several presentations nationally and regionally on colorectal cancer.

Clinical Services

During the academic year the Department's delivery of clinical services was impacted by the COVID-19 pandemic. This saw changes in the University Hospital of the West Indies' (UHWI) infrastructure and our ability to deliver some services which led to an overall reduction in our usual clinical activities. This also impacted Residency training. Nevertheless highlights included another successful round of renal transplants, increased use of interventional radiology for complex neurosurgical problems and greater inroads in minimal access surgery to the benefit of our patients and residents. The pandemic came with some benefits to our clinical services including at least a 33

percent increase in our Intensive Care Unit (ICU) capacity, additional methods of supporting patients with respiratory failure, the introduction of some services such as Telemedicine, Extra Corporeal Membrane Oxygenation and the Electronic-ICU. These are services that should easily outlast the COVID-19 pandemic.

STAFFING

The start of the academic year saw us formally welcoming two additional members of staff to the Emergency Medicine Division: Dr Eric Williams, as Senior Lecturer and Dr Simone French, as Lecturer in Emergency Medicine.

Promotions

- Dr Pierre-Anthony Leake: Senior Lecturer
- Dr Kenneth Vaughan: Indefinite Tenure
- Dr Richard Bullock: Indefinite Tenure
- Dr Shuvra Dasgupta: Indefinite Tenure

Employee Developments

- Dr Jean Williams-Johnson – Diploma in Medical Education from the University of Dundee
- Dr Belinda Morrison-Blidgen – PhD candidate in Epidemiology at CAIHR
- Dr Ingrid Tennant – PhD candidate in Epidemiology at CAIHR
- Dr Gareth Reid – reading for the Masters of Science in Epidemiology at CAIHR
- Dr Derria Cornwall – reading for the Masters of Science in Epidemiology at CAIHR
- Dr Akil Baker – reading for the Masters of Science in Applied Statistics

AWARDS

Dean's Prize for Best Poster Presentation & Best Overall Presentation

- Winner – Best Poster: “A Review of Penetrating Neck Injuries At Two Urban Hospitals In Jamaica”. A Duncan, G Channer, G Gordon Strachan, **H Ashman**, C Cherian, C Eaton.

PUBLICATIONS

Refereed Journal Articles

- **Belinda F Morrison, William D Aiken, Gareth Reid, Richard Mayhew, Barrie Hanchard**, “Pathological Upgrading and Upstaging at Radical Prostatectomy in Jamaican Men with Low-risk Prostate Cancer”, *Ecancermedicalsecience*. 2019 Oct 29;13:97
- **Persaud S, Douglas L, Aiken W, Morrison B, Goetz L**, “Home Grown: The Development and Structure of Urological Training in the Caribbean” *Trop Doct*. 2020 Apr;50(2):169-172. doi: 10.1177/0049475519894171. Epub 2019 Dec 16.
- **Jackson MD, Tulloch-Reid MK, McCaw-Binns AM, Aiken W, Ferguson TS, Bennett NR, Harrison L, Badaloo A, McGrowder D, Grindley A, Walker E, Anderson SG**. “Central adiposity at diagnosis may reduce prostate cancer-specific mortality in African-Caribbean men with prostate cancer: 10-year follow-up of participants in a case-control study” *Cancer Causes Control*. 2020 Jul;31(7):651-662. doi: 10.1007/s10552-020-01306-z. Epub 2020 May 1.
- **Badal S, Aiken W, Morrison B, Valentine H, Bryan S, Gachii A, Ragin C**. “Disparities in prostate cancer incidence and mortality rates: Solvable or not?” *Prostate*. 2020 Jan;80(1):3–16.
- **Bing Shue, Bart Muhs, Oneil Lynch, Patrick Roberts, Hilary Ann Brown** “Patient outcomes after radiofrequency ablation stratified by Clinical, Etiology, Anatomy, band Pathophysiology classification: A review of 100 cases performed in a Jamaican vein practice” 2020 May;8(3):371-377. *Journal of Vascular Surgery: Venous and Lymphatic Disorders* DOI : 10.1016/j.jvsv.2019.08.014
- **Patrick O. Roberts, Tamara G. de Souza, Brian M. Grant, Matthew G. Wanliss, Pierre-Anthony Leake, Ayesha R. Johnson, Hilary A. Brown, Joseph M. Plummer, Rory K. Thompson**. “Pathologic Factors Affecting Colorectal Cancer Survival in a Jamaican Population—the UHWI Experience” 2020 Jun;7(3):413-420, *Journal of Racial and Ethnic Health Disparities* DOI: 10.1007/s40615-019-00669-7
- **Cawich SO, Johnson P, Gardener MT, Pearce NW, Sinanan A, Gosein M, Shah S**. “Venous Drainage of the Left Liver: An Evaluation of Anatomic Variants and their Clinical Relevance”, *Clinical Radiology*. 2020; In press.
- **West W, Brady-West D**. “Comparison of Computed Tomography Pulmonary Angiograms at the University Hospital of the West Indies, Jamaica with Reported Cases in Literature”, *West Indian Med J* 2019; 68 (2): 160 DOI: 10.7727/wimj.2016.049

- Thompson D, Tennant I, **Soares D**, Osmond C, Byrne C, Forrester T, Boyne M. “Non-alcoholic fatty liver disease in non-obese subjects of African origin has atypical metabolic characteristics”. *Journal of the Endocrine Society*; <https://doi.org/10.1210/js.2019-00138> 21 August 2019
- Brown P, Mitchel-Daley A, Channer G, **Johnson P**. “Locally Advance Staged Juvenile nasopharyngeal Angiofibroma (JNA) Treated with Endoscopic Endonasal Approach and Angioembolization at a Tertiary Institution in Jamaica: Case Report”, *West Indian Med J*. 2019 Oct; 68(1): 71-4.
- Francis K, South C, Williams B, **Gabriel K**, Bromfield M. “Desmoplastic Small Round Cell Tumour in the Afro-Caribbean Population: Case Report with Imaging Findings.” *BJR|case Reports* 6, no. 1 (October 25, 2019): 20190060. <https://doi.org/10.1259/bjrcr.20190060>
- CRASH, For the trial group, **Jeffrey East; Jean Williams-Johnson**, “Effects of tranexamic acid on death, disability, vascular occlusive events and other morbidities in patients with acute traumatic brain injury (CRASH-3): a randomised, placebo-controlled trial”, *The Lancet*, 394(10210), pp.1713–1723. November 9, 2019.

ALIGNMENT

PAPERS PRESENTED

- **Mowatt L**. “Reducing visual impairment by imaging and screening in Sickle cell patients. “World Ophthalmology Conference 2020 (virtual), South Africa, June 26–29, 2020
- **Mowatt L**.” A potpourri of Ophthalmic crises.” 46th Ena Thomas Memorial Symposium, November 17, 2019, Jamaica Pegasus, Kingston.

POSTERS

- Sawh R, Brown C, **Mowatt L**. It’s alive in my eye. A rare case of visual loss in the tropics. Evideo. World Ophthalmology Congress (WOC), South Africa, June 26–29, 2020.
- Amarakoon S, **Mowatt L**. Causes of Low Vision in a Jamaican School for the Blind. World Ophthalmology Congress (WOC), South Africa. June 26–29, 2020.

MAJOR CONFERENCES/SEMINARS

- **B Morrison**, “Medical Therapy of prostate cancer” Jamaica Cancer Society/Jamaica Urological Society Annual Prostate Cancer Forum – September 8, 2019.

- **B Morrison**, “Prostate cancer management patterns and infrastructure in Jamaica” Jamaica Urological Society Annual Meeting – Jamaica Pegasus Hotel, March 1, 2020.
- **B Morrison**, “Do you want to rise again?” Mitec Zoom Conference, June 19, 2020.
- Daley-Oglivie P, **Scarlett M**, **Toppin PJ**, “Does ultrasound-guided transversus abdominis plane (US-TAP) block improve post-operative analgesia following Caesarean section?” Faculty of Medical Sciences Annual Research UWI, Conference, November 2019.
- Myers A, **Toppin PJ**, **Harding-Goldson H**, Gordon-Strachan G., “An evaluation of the effect of ginger on post-operative nausea and vomiting (PONV) in patients undergoing elective gynecological surgery”, Faculty of Medical Sciences Annual Research UWI, Conference, November 2019.
- Odili A, **Toppin PJ**, **Scarlett M**, Ventour G, “An assessment of the prevalence and burden of pain in adult patients admitted to St. George’s General Hospital, Grenada”, Faculty of Medical Sciences Annual Research UWI, Conference, November 2019.
- Glasgow S, **Toppin PJ**, **Scarlett M**, “Factors affecting blood loss associated with patients undergoing lower segment Caesarean section”, Faculty of Medical Sciences Annual Research UWI, Conference, November 2019.
- Ward E, **Toppin PJ**, “Patterns of violence-related injuries across Jamaica’s four health regions”, Faculty of Medical Sciences Annual Research UWI, Conference, November 2019.
- **Toppin PJ**, McDonald A, **Ferron-Boothe D**, **Meeks-Aitken N**, “An evaluation of patients with injuries from road traffic crashes presenting to the University Hospital of the West Indies”, Faculty of Medical Sciences Annual Research UWI, Conference, November 2019.
- McCartney T, Ward E, **Toppin PJ**, Wong H, McGaw K, Davidson-Sadler T, “The effects of violence related injuries due to gunshot wounds in patients presenting to Jamaican hospital (2014–2017)” Faculty of Medical Sciences Annual Research, UWI, Conference, November 2019.
- **Toppin PJ**, Ward E, McCartney T, “An evaluation of injuries sustained in road traffic crashes by children under the age of 11 in Jamaica”, Faculty of Medical Sciences Annual Research, UWI, Conference, November 2019.
- **Toppin PJ**, Ward E, “An analysis of trends in violence-related injuries in children seen at Jamaican hospitals between 2014 and 2017”, Faculty of Medical Sciences Annual Research, UWI, Conference, November 2019.

- O Steele, A L. Duncan, L Simms, S A. Duncan, S E. Dundas Byles, N D. Duncan “Splenectomy in Sickle-cell Disease: Experience with a Selective Blood Transfusion Protocol in Children”, Faculty of Medical Sciences Annual Research UWI, Conference, November 2019.
- **Vaughan KD.** “Radiation: Doses at play in the Operating Room and Safety in its use”, 18th Annual Caribbean Neuroscience Symposium, Faculty of Medical Science Complex, UWI, Mona. 22nd February 2020.
- **Vaughan KD,** “Orthopaedic Surgery in the Era of COVID-19”, UHWI COVID-19 Conference Series 2, 6th May 2020.
- **W. Aiken,** “Screening for prostate cancer”, Jamaica Urological Society/Jamaica Cancer Society Annual Prostate Cancer Symposium, Jamaica Pegasus Hotel, September 2019.
- **W. Aiken,** “The process and outcome of the development of prostate cancer screening guidelines for Jamaica”, Jamaica Urological Society Annual Conference, Jamaica Pegasus Hotel, Sunday, March 1, 2020.
- **W. Aiken,** “Optimal Management of BPH/LUTS with respect to likelihood of BPH Progression”, Association of General Practitioners in Jamaica Virtual Urology Symposium, Alhambra Inn, Sunday, June 12, 2020.

PUBLIC SERVICE

Professor Joseph Plummer

- Council Member, Association of Surgeons in Jamaica

Professor Newton Duncan

- Chairman of the Board of Family Life Ministries, Jamaica

Professor Michael McFarlane

- Member of the Board, Jamaica Cancer Society
- Honorary Consultant, Jamaica Cancer Society
- Examiner, Caribbean Medical Council Examination

Dr Mark Newnham

- Governor, American College of Surgeons (Jamaica Chapter)
- Council Member, Association of Surgeons in Jamaica
- Board member, Medical Council of Jamaica
- Course Director, Advanced Trauma Life Support (Jamaica)
- Vice President, Jamaica Golf Association

- Multi Division and National Representative – Golf - Jamaica

Dr Lizette Mowatt

- Ministry of Health and Wellness committees
- National Technical Working Group on Eye Health (NTWG-EH) – Co Chair
- Diabetic Retinopathy (DR) sub-committee of the NTWG – Chair
- Retinopathy of Prematurity (ROP) sub-committee (member)
- Rapid Assessment of Blindness (RAAB) sub-committee (member)
- Amendment of the Optician's Act of 1926 committee (member)

Dr William Aiken

- Board Member, Medical Council of Jamaica 2019–2022
- Chair, Ethics Sub-Committee Medical Council of Jamaica
- President, Association of Surgeons in Jamaica, 2018–2020
- Member Ministry of Health and Wellness National Prostate Cancer Guideline panel
- Chair of the Association of Surgeons in Jamaica COVID19 sub-committee that was responsible for drafting national guidelines for surgeons during the COVID19 pandemic
- Local Chair for the 7th Biennial African Caribbean Cancer Consortium Scientific & Training Conference held at the Jamaica Pegasus Hotel, October 11–14, 2019 (*Theme: Cell to society approaches to reduce cancer risk and improve outcomes among populations of African Ancestry*)
- Volunteer Doctor, Jamaica Cancer Society & Member Clinic Committee
- Vice-Chair Health, United Church in Jamaica & The Cayman Islands North East Mission Council Men's Fellowship
- Foundation Chair, Rotary Club of New Kingston
- Assistant Governor, Rotary District 7020, Jamaica South-Central, July 2020–June 2021
- Public advocacy on prostate cancer: http://www.jamaicaobserver.com/editorial/why-we-should-heed-dr-aike-s-recommendations-on-prostate-cancer_174083#disqus_thread

Professor Newton Duncan

- Chair, Family Life Ministries, Jamaica

Dr Jean Williams-Johnson

- Member of the Executive, The Jamaica Association of Sports Medicine
- Member of the Executive, The Caribbean Poison Information Network

Dr Derek Mitchell

- Council Member, Association of Surgeons in Jamaica
- Board Member, Tony Thwaites Wing, UHWI

Dr Hilary Brown

- Election to the National Executive Council (People's National Party) 2019–2020

Dr Kelvin Ehikhametalor

- National Clinical working group on COVID-19

Dr Belinda Morrison

- President, Caribbean Urological Society

Dr Jeffery East

- President, Association of Surgeons in Jamaica

Dr Rhonda Hutson

- President, Jamaica Emergency Medicine Association

Dr K Vaughan

- Chairman, Medical Council of Jamaica

Dr Praimanand Singh.

- Member of the International Netball Federation's Medical Panel
- Member of Netball Jamaica Medical Panel
- Representative of COPAMEDE (Pan-American Confederation of Sports Medicine) for the English Speaking Caribbean

OUTREACH

Outreach by way of presentations, whether by public fora or newspaper articles to the general public by faculty members is encouraged.

Prostate Cancer in Jamaica – a long neglected problem!

William D. Aiken

Jamaica Observer, Sunday September 1, 2019, http://m.jamaicaobserver.com/editorial/_173784?profile=1096#disqus

Questions and Answers on Prostate Cancer

William D. Aiken

2020 Kingston & Saint Andrew Telephone Directory, pages 34–35

Top 12 Tips for Men to maintain Good Health

William D. Aiken

Health, Home & Garden 2019, Vol. 19, Issue 3

Stroke Prevention

Karen Phillips, **William D. Aiken**

Health, Home & Garden, 2020, Vol. 20, Issue 1

AGILITY

INFRASTRUCTURE

The Department was challenged by funds and various capital projects, the most important of which was the Surgical Skills Laboratory had to be scaled back with the hope of a pivot sometime in the new academic year. The importance of this project is not diminished, and if anything the Covid-19 pandemic has reminded us of the role of training in a simulated environment, and as we have plans for income generation from various workshops, it remains a priority with the new academic year.

Our continued function in the midst of this pandemic, including the resumption of clinical teaching, speaks to the depth and adaptability of our Faculty and augurs well for the future.

THE UWI SCHOOL OF NURSING (UWISON), MONA

Dr Dawn A. Munroe, PhD, M.A., RN, RM – Head of Department



WORK OF THE UWI SCHOOL OF NURSING, MONA (UWISON)

The academic year 2019/2020 was a period of radical reimagining and innovation, in-keeping with our strategic plan and changes to the tertiary education landscape occasioned by the COVID-19 pandemic. The *Triple A Strategy* of the University of the West Indies (UWI) informed the School's strategic plan; thus, this report is set out within the three key areas specified in the *Triple-A Strategy* – Access, Alignment and Agility.

ACCESS

STUDENTS

The operations of the School prioritized increasing enrolment and enhancing the quality of teaching, learning and student development amidst transformations resulting from the COVID-19 pandemic. Therefore, activities were focused on 1) aggressive marketing and follow-up of new applicants and 2) preparing graduates to function within the current healthcare context. This direction called for leveraging relationships with stakeholders and maximizing opportunities created by the demand for emergency remote learning, to accelerate reimagining of curriculum implementation processes. To achieve these goals, customized marketing strategies were implemented. This included emails and telephone calls as well as personal delivery of flyers to stakeholders with high visibility. In addition, all academic and administrative staff were trained in the use of virtual learning platforms for classroom and clinical teaching/learning.

Virtual platforms and new related skillsets enhanced our capacity to direct strategic efforts towards increasing enrolment. Through these efforts, the average acceptance rate across programmes increased by 23.7% when compared to the 2018/2019 academic year. The greatest increase (100%) was obtained in the graduate programmes.

The advantage of studying in their respective home countries was critical in successfully pursuing suitably qualified applicants and persuading them to enrol in 2020.

Securing qualified applicants and increasing enrolment in the undergraduate programme was made possible through the combined innovation of the administrative and academic staff of the School. In March 2020, the team created a virtual space whereby applicants could communicate directly with the School. Hence, in addition to contact with the Admissions Section of the UWI, applicants were able to receive responses to queries that were specific to the nursing programme. This medium further served to schedule intake interviews which were conducted via the Zoom platform. We also tracked individual applicants who did not respond to offers. This effort yielded an increase in the acceptance rate from 75% in June 2020 to 90% by the end of July 2020.

To equip students for the healthcare context, case-based learning that simulated real world experiences dominated pedagogical approaches. This approach continued when programme delivery transitioned from face-to-face, to virtual remote learning in April 2020. Our end-of-semester surveys revealed that students had an overall positive experience of virtual learning and a high level of satisfaction with the quality of engagement facilitated by lecturers. However, students and lecturers agreed that the blended (face to face and remote) learning modality would be better suited for the development of psychomotor competencies necessary for the practice of nursing. Approximately 5% of students reported unreliable internet service which impeded consistent access to virtual platforms. This, in addition to lack of at-home privacy, hampered the quality of their engagement.

Preparation of final year students for professional nursing practice was severely disrupted by the COVID-19 pandemic early in the second semester. In response to the pandemic, administrators of healthcare services requested that all students be withdrawn from clinical settings. This withdrawal extended the timeline for completing clinical components of the programme. Secondly, students would not meet professional pre-requisite requirements for progression to the final senior courses. The third implication was that students would be ineligible to sit the Regional Examination for Nurse Registration (RENr) in October 2020.

Through dialogue with the Nursing Council of Jamaica (NCJ) and the Board of Undergraduate Studies (BUS) of the University of the West Indies (UWI), approval was received to effect temporary amendments to the programme progression policy. Consequently, pre-requisite course requirements for finalizing students were waived to facilitate students accessing the *Clinical Internship* and *Senior Nursing Review* courses prior to fulfilling clinical pre-requisites. The NCJ supported re-entry of nursing students into the clinical areas in June 2020.

Conditional access to clinical settings was made possible through collaboration with

Regional Health Authorities, Parish Health Departments and Nursing Departments from hospitals in Kingston and St. Andrew, St. Catherine and St. James. Access to clinical rotations was limited to final year students provided that they would assume responsibility for obtaining personal protective equipment (PPE) and that they would be prohibited from entering areas designated for patients with COVID-19. A further condition proposed by the University Hospital of the West Indies (UHWI) was that students sign a waiver of liability in the event that they contracted the coronavirus during the clinical experience.

The School and students shared the cost of procuring PPE; however, the requirement to sign a waiver of liability drew protest from the Guild of Undergraduate Students. Subsequent negotiations with the Offices of the Principal, Campus Registrar of the UWI, Mona, the UHWI and the Ministry of Health resulted in withdrawal of the requirement to sign the waiver. The new completion date for the class of 2020 is the end of November 2020.

Students' Achievements and Awards

Students' success rates in the first and second semesters were comparable to previous academic years; however, there was a notable increase in the number of students who attained an 'A' grade in courses offered in the second semester following remote learning and online assessment.

Academic and Special Awards

The number of students eligible for the Dean's list increased significantly. Students are added to the Dean's list based on their achievement of a GPA of 3.6 and above. Thirteen (13) students from WJC and 32 from Mona were added to the Dean's list. Of this number, six (6) were inducted into the Honour Roll of the Faculty of Medical Sciences, having attained the highest overall GPA for their respective year groups. The Top Graduated was awarded to Mikayle Francis, Saddean Simpson, Jelessia Hutchinson and Kameesha Gardner,

Scholarships and Bursaries

Three partial and full tuition scholarships were awarded to students in the third and final years of the BScN programme. *The MAICA Impact Scholarship* of \$2,500 (CAD) each was awarded to Tyrise Bingham and Joni James of the Western Jamaica Campus. The full tuition scholarship of \$5,000.00 (USD) from the Institute for the UK based International Education of Students (IES) was awarded to Davia Anna-Lese Gyles of the Mona campus. These awards are based on students' achievement of a grade point average (GPA) of 3.0 and above and demonstration of exemplary professional conduct.

Bursaries from international partners (MAICA and IES) ranging from 30 to 375 USD were awarded to over 14 students to contribute to the purchase of books and uniforms. Students who were shortlisted for scholarships were given priority for the award of bursaries. The total contribution of scholarships and bursaries was 1,923,550.00 JMD.

PUBLICATIONS

Fostering a research culture among staff was high on the School's agenda. UWISON capitalized on the *Research Mentorship and Empowerment Initiative* of the Research Support Unit (RSU) of the Faculty of Medical Sciences. Under the direct mentorship of Dr. Jasneeth Mullings of the RSU, nine (9) research hubs with well-articulated programmes of research were formed. These hubs have been actively engaged in converting research reports to manuscripts, publishing commentaries and in journals and newspapers and motivating peers to enrol in doctoral studies. The expectation is that peer-reviewed output would increase in the 2020/21 academic year.

Peer Reviewed Articles

- **Abdul-Kareem K., Lindo J.L.M., Stennett R.** (2019). "Medical-surgical nurses' documentation of client teaching and discharge planning at a Jamaican hospital". *International Nursing Review* 66(2):191–198. doi: 10.1111/inr.12487
- **Emanuel-Frith, M., Pitter, C., & Agu, C.** (2020). Nursing students' attitude towards teenage pregnancy in an undergraduate nursing programme. *The International Journal of Childbirth* 9(4) doi:10.1891/IJCBIRTH-D-19-00017
- **Lynch, M.** (2019). An investigation into how insecure attachment styles (attitudinal factors) of men in the security forces contribute to the increase of murder/suicide rates within eight parishes in Jamaica. *Social Science Journal*, 3, 383-402. Retrieved from <http://purkh.com/index.php/tosocial/article/view/347>
- **Lynch, M., & Wright, D.** (2019). A descriptive correlational investigation into factors that impact on job satisfaction among 40 conveniently selected participants in an urban setting. *Social Science Journal*, 3, 403–413.
- **Stewart, D.** (2020). Perinatal Mental Health. In A. Pusey-Murray, A. (Ed), *Preserving Mental Health of Caregivers*. Kingston, UTech Ja Press.

Books & Book Chapters

- **Barton-Gooden, A., Crawford, J., Rhoden Salmon, D.** (2019). Motivational interviewing: Health promotion strategy for systems change for HIV prevention and control in Jamaica. In J. Green, R. Cross, J. Woodall, & K. Jones, *Health promotion: Planning and strategies* (4th Ed.). London, UK; SAGE Publications Ltd.

- Chisholm-Ford, S., Garriques-Lloyd, S., & Waite, M. (2019). Satellite health services: A Jamaican perspective. In Green, J., Woodhall, J., Cross, R., & Tones, K. (2019). *Health promotion: Planning and strategies* (4th Ed.). London, UK; SAGE Publications Ltd. <https://study.sagepub.com/greentones4e/student-resources/case-studies-by-region/jamaica-2>
- Lynch, M. (2019). "Monuments of the mind" In V. Abrams (Ed.) *The voices behind mental illness: The mind is a terrible thing to waste* (Series 3). Purpose and Prosperity Publishing.
- Lynch, M. & Franklin, G. (2019). Health Literacy: An intervention to improve health outcomes. In J. Mullings (Ed.). *Strategies to reduce hospital mortality in lower and middle income countries (LMICs) and resource-limited settings*. doi: 10.5772/inechopen.86269.
- Mullings J, Barton-Gooden A, Garriques-Lloyd S, Noble-Myrie V, Reid, S. and Paul, T. Pathways to Sustainable Development Goal # 3: Integrating human rights, health equity and social justice into health policies and programmes in Jamaica. In *Advances in Sociology research*. Volume 27, 2019 ISBN: 987-1-53615-802-1 (ebook). Nova Science Publishers. Hauppauge, New York, USA.
- Pitter, C. P., Hewitt, H., McWhinney-Dehaney, L., Williams, D., & Vassell-Murray, I. (2019). Blooms and mushrooms: Midwifery experience in Jamaica. In M. Gray, E. Kitson-Reynolds & A. Cummins (Eds.). *Starting Life as a Midwife: An international review of transition from student to practitioner* (pp. 141–153). Switzerland: Springer Nature.
- Wright-Myrie, D., Lynch, M., & Bolton, A. (2019). *How to navigate a university: Perspectives of an undergraduate, graduate and staff/student*. Scotts Valley, California: CreateSpace.

ALIGNMENT

In keeping with the emphasis of research in the Faculty of Medical Sciences, research initiatives of the School were directed toward interprofessional collaboration for socially accountable research and designing and implementing research projects based on priorities of the Ministry of Health and Wellness, the Pan American Health Organization (PAHO) and the World Health Organization (WHO). Research projects were chosen based on the potential to contribute new knowledge to the role of the nurse/midwife in enhancing healthcare systems in Jamaica and the Region. Specific strategies included: 1) leveraging collaboration opportunities within the FMS and the PAHO/WHO Collaborating Centre for Nursing and Midwifery Development in the Caribbean and 2) undertaking research on behalf of stakeholders such as the Nursing Council of Jamaica, the Ministry of Health and WHO Collaborating Centres. To

date, research studies in the areas of non-communicable diseases, maternal and child health, mental health, and nursing policy and education have been presented at conferences locally and internationally.

PAPERS PRESENTED

- **Aiken, J., Weaver, S., Holder-Nevis, D. & Edwards, N.** (2019). *The lived experience of heart failure in a lower middle income country: Patient and caregiver perspectives*. Paper presented at the 47th Biennial Convention of Sigma Theta Tau International. Washington DC, November 16–20, 2019.
- **Barton-Gooden, A. & Asnani, M.** (2019). *Smoking and self-management in adults with sickle cell disease*. Paper presented at the 8th Annual Conference: Living Better with Sickle cell Disease. Duke University, North Carolina. September 6, 2019.
- **Barton-Gooden, A., Asnani, M. & Noonam, D.** (2019). *Validating tobacco and marijuana smoking in Jamaican adults with sickle cell disease using biochemical test*. Paper presented at the 10th Annual National Health Research Conference of the Ministry of Health & Wellness. Kingston Jamaica. November 21 – 22, 2019.
- **Brown-Hamilton, F. & Barton-Gooden, A.** (2019). *Barriers to adherence of nurses and patient care assistants (PCAs) to hand hygiene and equipment decontamination policy at an urban hospital*. Paper presented at the 10th Annual National Health Research Conference of the Ministry of Health & Wellness. Kingston Jamaica. November 21–22, 2019.
- **Brown, K., & Abdul-Kareem, K.** (2019). *Strategies for successful implementation of Best Practice Guidelines in a Nursing school in Jamaica*. Paper presented at the 47th Biennial Convention of Sigma Theta Tau International. Washington DC, November 16–20, 2019.
- **Duncan-Baker, T., Chisholm-Ford, S., Wilson, L., McFarlane, S. & Reid, M.** (2019). *Burdens on caregivers of children aged one to sixteen living with sickle cell disease attending a specialized clinic in urban Jamaica*. Paper presented at the 10th Annual National Health Research Conference of the Ministry of Health & Wellness. Kingston Jamaica. November 21–22, 2019.
- **Lynch, M.** (2019). *An investigation into how insecure attachment styles (attitudinal factors) of men in security forces contribute to the increase in murder-suicide rates within 8 parishes in Jamaica*. Paper presented at The World Mental Health Congress. Buenos Aires, Argentina, October 4, 2019.
- **Pitter, C., & Dunn, L.** (2019). *Pregnant and abused adolescents: the underserved population in Jamaica*. Paper presented at The Caribbean Congress on Adolescent and Youth Health 2019. Port-of-Spain, Trinidad and Tobago 15–17 October 2019.

- Sandcroft, A., McIntyre, S., **Aiken, A., & Anderson-Johnson, P.** (2019). *Sociodemographic characteristics and life satisfaction in Jamaican women aged 15–24 years*. Paper presented at the 47th Biennial Convention of Sigma Theta Tau International. Washington DC, November 16–20, 2019.

PUBLIC SERVICE

Staff and students have undertaken varying public service ventures. Specific attention was given to underserved communities and the work of professional organizations.

Student Initiatives

The Nursing Students' Association hosted a treat at the Blossom Gardens Children's Home, Montego Bay during December 2019 and made donations to the West Haven Place of Safety, Hanover and a Social with the wards in February 2020. The group also facilitated a Breast Cancer Awareness session at the Women's Centre Foundation of Jamaica, Montego Bay in October 2019.

Staff Engagement

- **Aiken, Joyette:** Charter member /Treasurer – Omega Kappa Chapter, Sigma Theta Tau International (Honor Society of Nursing) and Chairman of the Committee for the Review of the National Curriculum for Nursing Education, Nursing Council of Jamaica
- **Anderson-Johnson, Pauline:** Member, Leadership Succession Committee, Sigma Theta Tau International; Chair Research Committee Omega Kappa Chapter; Vice President Past Students' Association Edwin Allen High School.
- **Ashman, Chez:** Secretary, Rotaract Club of New Kingston.
- **Chisholm-Ford, Sandra:** Awardee, NAJ Founders Day Award for Nursing Excellence; Committee Member Ministry of Health and Wellness COVID-19 Response Programme; Founder- Midwife-led Clinic; Council Member, The Nurse Educator Special Interest Group (NAJ); Member Research and Publication Committee of the Nursing Council of Jamaica.
- **Garriques-Lloyd, Sheryl:** President Omega Kappa Chapter, Sigma Thetu Tau International Honor Society of Nursing
- **Gordon-Singh, Sherryon:** Member of the Committee for the Wellbeing of the Mentally Ill, St. James; Coach, Nurses Association of Jamaica Nursing Student of the Year Competition.
- **Henry-Ferguson, Verona:** Chairman, the Nurse Educators Special Interest Group

of the Nurses Association of Jamaica; Facilitator COVID-19 Awareness Session at the Women's Centre Foundation of Jamaica, Montego Bay in March 2020.

- **Munroe, Dawn:** Director, the Jamaica Parent School (JAMPAS); Director, PAHO/WHO Collaborating Centre for Nursing and Midwifery Education in the Caribbean; Member of the Task Force on Migration of the Regional Nursing Body
- **Neita-Chambers, Dacia:** Member of the Child Protection Committee (CPC) at the Cornwall Regional Hospital.
- **Norman-McPherson, Andrea:** Coordinator of the Annual Active Ageing Forum. Facilitator of education and counseling for patients living with diabetes; Member of the Coordinating Committee for the Annual Health Fair.
- **Pitter, Cynthia:** Member of the Women's Health Network; Representative of the Maternal Neonatal and Infant Health project; Counselor for Women in Crisis at Women Inc.; Nursing Consultant at the Golden Age Home; Member of the Nursing Council of Jamaica; Director of the Family Planning Association of Jamaica.
- **Rae, Tania:** Key Member, the Jamaican Autism Support Association; Chairman, Simulation in Nursing Education Committee of the Nursing Council of Jamaica.
- **Smith, Sheshona:** Vice President Omega Kappa Chapter, Sigma Theta Tau International
- **Stewart, Deveree:** Key Member Advisory Committee for the Assessment of Midwifery Education in the Caribbean: A UNFPA/PAHO initiative; Member of the Board of Eve for Life, Jamaica; Public Health Educator, The Women's Health Network, Jamaica.
- **Waite, Mauvette:** Member of the Emergency Nurses Association; Member, Member, CARICOM Network for Nursing and Midwifery Education; Member, Omega Kappa Chapter of Sigma Theta Tau International Honour Society for Nursing.
- **Walker, Melissa:** Co-facilitator of a support group for children diagnosed with diabetes mellitus and their parents; Councilor of the Omega Kappa Chapter of the Sigma International Honour Society of Nursing
- **Waugh-Brown, Veronica:** Justice of the Peace for St. James, Jamaica
- **Wright-Myrie, Donnette:** Justice of the Peace, member of the Lay Magistrate Association and Parish leader for the Kingston's Governor General Programme of Excellence Coordinating Committee.

AGILITY

INCOME GENERATION

UWISON is the site of choice for international nursing students since it provides context-specific experiences and a robust academic and administrative structure. The global presence of the School is further enhanced by collaboration with universities in Canada, the UK and the USA. These relationships have created opportunities to obtain funding to support students' ability to pay tuition fees. For the period under review, there was an approximate net gain of JMD 1.9M from scholarships and bursaries linked to international student exchange programmes. Cost-cutting measures contributed savings of JMD 3.5M. An additional JMD 74,560,800.00 in fees was generated from the Community Colleges to which the BScN programme is franchised.

FACULTY OF SCIENCE & TECHNOLOGY

Mona

Year ending July 31, 2020



PROFESSOR MICHAEL A. TAYLOR
BSc, MPhil, UWI, PhD, *University of Maryland, College Park*
DEAN

Dean's Overview

The 2019/2020 academic year saw changes in the management structure within the Faculty. Dr. Sherene James-Williamson was appointed as the Associate Dean, Undergraduate Matters and Dr. Andre Coy was appointed as the Associate Dean, External Engagement, formerly Outreach and Development. Professors Mona Webber, Marcia Roye and Dr. Winklet Gallimore were re-appointed respectively as Deputy Dean with portfolio responsibilities for Staff Engagement, Ethics and Quality Assurance, Associate Dean for Postgraduate Matters, and Associate Dean for Student Experience. At the departmental level, Dr. Donovan Campbell was appointed as Head, Geography and Geography replacing Professor Simon Mitchell who had served the Department for two terms. At the end of the year, Dr. Roy Porter demitted Office as the Head, Department of Chemistry.

The Faculty faced unprecedented challenges due to the effect of the COVID-19 pandemic. However, the Faculty implemented measures to mitigate the effect of the pandemic, including a pivot to entirely online teaching and activities, while continuing to operationalize its strategic visions defined by **Access**, **Agility** and **Alignment**.

ACCESS

The Tables on page 257 summarize some of the key metrics of the Faculty. Additional student access highlights are thereafter provided.

Facilitating Student Success: The Faculty's Annual Awards Ceremony could not be held as usual in March 2020 due to COVID. Instead the Faculty acknowledged the achievements of approximately two hundred (200) undergraduate and graduate students and staff via an online booklet and video. At the Departmental level, the Chemistry and Physics Honours Societies celebrated fifty-three (53) students for academic excellence, while the Department of Life Sciences launched its Honours Society with 11 students. This brings to three the number of societies in the Faculty recognizing academic excellence. Undergraduate students received Departmental bursaries and awards amounting to approximately JMD 935,000. The Dean's Office disbursed approximately JMD 460,000 to assist students with expenses associated with graduation and attending international conferences *inter alia*.

Table 1: 2019/2020 – FST Undergraduate and Graduate Degrees Awarded (as at September 17, 2020)

Faculty of Science and Technology Degree Awarded 2019/2020	# of Awards
GRADUATE STUDENTS (58)	
PHD	
Commendation	1
Pass	8
MPHIL	
Pass	6
MSC	
Distinction	17
Pass	24
DIPG	
Pass	2
UNDERGRADUATE STUDENTS (430)	
First Class Honours	33
Second Class Honours (Upper Division)	151
Second Class Honours (Lower Division)	142
Pass	104
Grand Total	488

Table 2: Undergraduate Admissions/Enrollment Data for the Faculty of Science and Technology

Academic Year	Total Applications	Total Offers	Total Acceptance	Total Registration
2019/2020	4601	3098	1401	2527

Table 3: Graduate Enrollment Data for the Faculty of Science and Technology

Academic Year	Taught Masters	Research Degrees	Total
2019/2020	167	188	355

New scholarships and gifts: JN Life Insurance Company Limited (JN Life) gave the Mathematics Department a new Actuarial Scholarship and Bursaries valued at JMD 500,000. “The Norbert Fullerton Actuarial Scholarship” was established by a Mathematics Alumni, Mr. Norbert Fullerton who is presently the Head of Institutional Client Strategy, Europe, Middle East and Africa (EMEA) for Janus Henderson Investments, London. This scholarship will be offered for the first time in 2020–2021. The Michael Neville McMorris Prize was established and awarded by the family of Dr. M. N. McMorris, a former Dean of the Faculty and Head of the Physics Department who passed in 2018. The Prize will be awarded annually to an outstanding undergraduate physics student. In December 2019, Hardware & Lumber (H&L) Limited donated USD 3,000 of computer equipment to the Department of Computing which is being used to support the Department’s networking courses. This donation was spearheaded by Mr. Edward Taylor, Technology Solutions Manager at H&L, and an alumnus of the Department of Computing.

Expanded opportunities: The Faculty continues to expand the number of annual internships opportunities available to students through partnership with local and international agencies. In 2019/2020 these included with the National Commercial Bank (Jamaica), IBM (USA), Goldman Sachs (Hong Kong), and Huawei (China). The following are noteworthy in this regard: From the Department of Computing, Mr. Zidane Wright was selected for the ‘IBM’ Research – UWI Scholars programme and Mr. Nathan Downer and Mr. Nathaniel Christie were selected to visit China for two weeks on the Huawei “Seeds for the Future” programme in September 2019. Mr. Downer was subsequently selected for the Goldman Sachs internship in Hong Kong following which he was offered employment in the same office. This is the second year an FST intern has been granted this opportunity. Mr. Aleem Mahabir, from the Department of Geography and Geology was selected for the prestigious Clinton Global Initiative University Fellowship to pursue work on a social initiative to provide career and skills training to young adults in underserved communities in Port of Spain. Physics graduate students Mr. Dudley Williams and Ms. Santana Lewis won internships with the Antigua Department of Energy and Ms. Melissa Curtis (Geography and Geology) was a recipient of the Esri Young Scholars Award for 2019. Mr. Matthew Williams (Physics undergraduate) participated in the Caribbean Catastrophe Risk Insurance Facility (CCRIF) internship programme and was placed at the Meteorological Service in Trinidad and Tobago for two months. Ms. Mellisa Walker (Physics undergraduate) participated in the Sophia Short Study programme held at Sophia University, Japan in January 2020. Graduate student Ms. Jhannel Tomlinson (Geography and Geology) and graduate Ricardo Anderson (Physics) received the Prime Minister’s Youth Awards for Environmental Protection and Academics respectively.

Student Representation: Students ably represented the Faculty at International events.

In September 2019, Mr Clayton Mitchell, the FST representative (2019/2020) to the Guild of undergraduate students represented the University of the West Indies and the UWISTAT (Students Today Alumni Tomorrow) Vice-Chancellor's Ambassador Corps at the 6th Annual International Conference on Sustainable Development, Columbia University, New York. Clayton presented a poster highlighting the work of the corps. Ms. Jhannel Tomlinson (graduate student, Geography and Geology) participated in United Nations Day activities on October 24, 2019. Jhannel is a Youth Climate Change Activist and was a Youth Delegate at the recently held UN Climate Action Summit. Mr. Isaac Morrison, PhD student (Natural Products Institute and Department of Basic Medical Sciences) participated in a visiting research scholar programme at the University of Massachusetts at Amherst, USA. He was appointed a Graduate Mentor for the UMASS Amherst STEM Ambassador Programme tasked with guiding undergraduate Biochemistry researchers.

Teaching and Learning: The Geography Major was revised and approved by The Board of Undergraduate Studies for offering in the 2020/2021 academic year. The revised Geography programme promotes exposure to progressive and transferable technical and practical skills. The 6-credit Introductory Level Chemistry courses were revised to two and three credit courses for offering in 2020/21. The new courses will facilitate greater access to chemistry content by non-chemistry majors. The Department of Life Sciences offered a new master's level course, BIOL6421 "Coastal Habitat Restoration and Rehabilitation" as part of the MSc NRM-Marine and Terrestrial Ecosystems programme. The course, which was offered out of the Discovery Bay Marine Laboratory, was available to specially admitted students and overseas applicants.

Student Development and Experience: The Faculty hosted Pre-Orientation and Orientation sessions for Undergraduate and Graduate students in August 2019 and for the second time hosted a Semester 2 Orientation Day in January 2020. The Office of the Associate Dean for Student Experience launched 'The Holistic Development Programme' where students met weekly to explore topics such as goal setting, success principles, financial education, conquering fears, self-esteem development and leadership. Other developmental programmes were the 'FST First Gen' which is an outreach effort to students who are the first in their families to attend a tertiary institution; and the 'Round Table Talk @ The Spine' designed as a 'walk-up' opportunity for students to ask questions or get counsel and direction. The Department of Mathematics hosted their annual Career Fair and Bridging programme, and the Book Loan Scheme for undergraduate students was again operated by the Department of Chemistry.

A group of twenty-six students from The University of the West Indies (including from the Mona campus) completed the China component of a 2+2 Bachelor's degree in Software Engineering with a concentration in mobile application technologies. The group spent the past two years studying at the Global Institute of Software Technology

(GIST) in Suzhou, China. They represent the inaugural class of The UWI-China Institute of Information Technology (UWI-CIIT).

COVID and E-Learning: The COVID-19 Pandemic saw the Faculty having to pivot to E-Learning. In addition to support provided by the University, the Faculty drew on its own resources in the Department of Computing to deliver training programmes on Blackboard Collaborate, Zoom and OurVLE. The Faculty Undergraduate Guild and the UWI Computing Society also created videos to assist students with navigating E-learning, while an E-Learning page was created on the Faculty's website to serve as a central location for student and staff to access information. Professor Daniel Coore along with Mr. Alton Bodley (Department of Computing), Mr. Matthew Budram and Mr. Yannick Lyn-Fatt (MITS) began working on a tool to help with asynchronous exam delivery. Other Faculty initiatives included a device loan scheme from the Department of Computing (seventeen Chrome books) which complemented that from the Library. The Faculty also took the necessary measures to ensure that the academic quality of the Faculty's programmes were maintained. This was primarily done by gaining approval from the Boards for Undergraduate and Graduate Studies for all adjustments made to courses that were delivered.

ALIGNMENT

Graduate Students: The UWI and the Faculty continues to make significant investment in our Graduate Students. For the period in review, JMD 50,400,000.00 were disbursed for Departmental and Supplementary Awards. Nineteen UWI Postgraduate Scholarships were awarded to Faculty students amounting to JA\$19 million. Research and Publication and Graduate Awards from the Office of Graduate Studies and Research to staff and students totaled JMD 8,221,372.86. A Workshop for Graduate Supervisors was held on November 29, 2019. Areas highlighted were Graduate Regulations, Thesis Writing, and Oral Examinations *inter alia*. A Graduate Students Council consisting of representatives from the different Departments and coordinated from the Faculty Office, was established to provide a mechanism for graduate students to communicate their concerns and needs. Fourteen PhD oral or upgrade exams were conducted.

Research Output: The total unique research output for the Faculty consisted of 105 publications of which 26 were co-authored with Graduate students. This represents a per-capita output of 1.2. The quality of journals in which articles are placed continues to increase. In 2019/20 there was one paper each in Nature Plants and Science. Publication metrics are shown below:

Table 4: FST Unique Departmental Publications, 2019–2020

Departments	Journal Articles	Books	Book Chapters	Edited Books	Conference Proceedings	TOTAL
Biotechnology Centre	3	–	1	–	–	4
Chemistry	29	–	1	–	1	31
Computing	1	1	1	1	6	10
Geography and Geology	9	–	–	–	1	10
Life Sciences	4	1	4	–	1	10
Mathematics	9	1	–	–	–	10
Natural Products Institute	5	–	1	–	–	6
Physics	22	–	–	–	2	24
TOTAL	82 (20)*	3 (1)*	8(1)*	1	11 (4)*	105 (26)*

Key: ()*Publications including Graduate Students

Fifty-three papers were also presented at local and international conferences. One patent was received by the Biotechnology Centre: Stennett Dewayne K.; Asemota Helen N. (2019) Therapeutic Compositions from Jamaican Bitter Yam and Methods of Making and using same. USA Patent number US10369183B2.

New Research Groups/Committees: The Department of Geography and Geology has re-organized its research efforts around four themes: disaster studies, geospatial research, water resources, and, coastal environments. In support of its efforts, the Department revived the Unit for Disaster Studies (UDS), renamed the Map & Image Library (as the Geospatial Support Group -GSU) and, formalized the Caribbean Environments Research Group (CERG) and the Water Studies Group (WSG). To strengthen the geospatial capacity of the Department, seven high-performance computers and twenty (20) research tablets were acquired in January 2020. The computers and the research tablets are important assets for the GSU which will function as the hub of geospatial expertise across the Department, and a mechanism for engagement and collaboration with external partners.

To facilitate collaborative research and to respond to national or regional issues, the Faculty established 6 research groups or committees. They included The Sargassum Research Group, The Cannabis Research Committee, The Scanning Electron Microscope Committee (to prepare and submit a joint application to an external entity for funding a new SEM), The Research Computing Group (to maximize the use of SPARKS – The UWI Super Computer), The MSc Science Education Committee (to propose an inter-Faculty an inter-Departmental Masters programme in Science with Education), and the Environmental Monitoring Group. The Sargassum Group has garnered reasonable funding since being set up while the Environmental Monitoring Committee has submitted for two substantial research grants.

Grantsmanship: The Faculty received eleven external Research Grants and offered services totalling JMD 226,673,387. The Resource Mobilisation Unit prepared proposal submissions in excess of USD 6.5 million for various Calls for Proposals. It also provided technical support for the development of joint cross UWI initiatives.

National Engagement and Outreach: The Centre for Marine Sciences (CMS)-Discovery Bay Marine Lab (DBML) hosted a total of 2700 visitors; of which 185 were overseas students and researchers, 277 were from UWI (also students and researchers) and 2238 from other local institutions. In its continued effort to encourage and facilitate the safe use of Jamaica's marine resources, members of the DBML trained 152 Pre-University Students as Emergency First Responders, Skin Divers and Boat Handlers, in partnership with Jamaica Social Investment Fund (JSIF). Eight (8) individuals were trained as PADI Open Water Scuba Divers and nine patients were provided with Hyperbaric Treatment. The Department of Life Sciences also assumed responsibility for the insectary associated with the Mosquito Control Research Unit (MCRU) which was established in partnership with USAID Zika Aird Project (ZAP). The Department of Physics commenced the offering of particle size testing through the Medical Physics Radioecology Laboratory.

The Faculty hosted approximately eighty-five (85) events including symposia, seminars and workshops covering a wide range of topics. Some of the events were:

- The Chemistry Department hosted “The Mona Symposium: Natural Products & Medicinal Chemistry” from January 6–9, 2020. This was the 28th meeting in a series that started in January 1966 and has been held every two years since. The symposium attracted 26 international participants from the USA, Canada, UK, Japan and Australia, as well as a large number of local academic staff and graduate students. The Organising Committee used the opportunity to have two Organic Chemistry Research Laboratories in the Department named after Mona Chemistry pioneers Professors Cedric Hassall and Wilfred Chan.
- The Chemistry Department staged the Better Process Control School (BPCS) from January 13–17, 2020. Thirty seven persons from the local and regional food

industry, regulatory agencies and UWI graduate students were trained. The School is a Bureau of Standards Jamaica-approved and US Food and Drug Administration (FDA)-approved certification course.

- On January 21, 2020, the Department of Chemistry facilitated the staging of the Biannual Visible Emissions Observer (VEO) Certification Training offered by the National Environment and Planning Agency (NEPA).
- In collaboration with Mona Social Services, the Department of Computing hosted a workshop titled: “Zooming It: A Technological Platform to keep connectivity during and after Covid-19 pandemic”, on May 22, 2020. The Department also held a two-day workshop in September 2019 on “Understanding Data” for researchers in the Epidemiology Unit at the Ministry of Health, Jamaica.
- The Department of Physics in collaboration with the Caribbean Climate Innovation Centre (CCIC) and the Mona Entrepreneurial and Commercialization Centre (MECC) hosted a forum on “Fostering Business Creation through CleanTech Innovation” on Thursday, October 31, 2019.
- The Mona Fire Research Institute in Department of Physics in collaboration with the Jamaica Fire Brigade hosted a forum on Fire Safety Audits in the Workplace and in the Home on October 31, 2019.
- The Department of Geography and Geology collaborated with the Caribbean Catastrophe Risk Insurance Facility (CCRIF) and The UWI Open Campus to implement training on Disaster Risk Financing for SIDS between July 8 and 29, 2020.
- In January 2020, the Department of Geography and Geology partnered with The Westmoreland Municipal Corporation (WMC) to deliver GIS training over four days to community residents age 17–35 years old. The objectives included providing residents with the opportunity to acquire skills in the use and application of Geographic Information Systems (GIS).
- The Department of Geography and Geology collaborated with the Overseas Development Institute (ODI) and the UWI Seismic Research Centre to host a workshop at the 11th Caribbean Conference on Comprehensive Disaster Management (CDM) in Saint Maarten in December 2019. This was under the auspices of the Caribbean Resilience and Recovery Knowledge Network (CRRKN).
- The Department of Geography & Geology partnered with the University of the South Pacific (USP) and the United Nations Pacific Financial Inclusion Programme (PFIP) to stage a side event at the United Nations Climate Change Conference (COP25) in Madrid, Spain in December 2019. The event focused on “Perspectives on implementing evidence-based climate finance”.

- The Department of Mathematics staged the Jamaica Mathematics Olympiad (Junior and Senior Competitions). In the first round 2400 students from 120 schools participated. The Olympiad however ended prematurely due to COVID-19 pandemic.
- The Biotechnology Centre hosted two Basic Skills Biotechnology Training Workshops – “Train the Trainers” in collaboration with the UWI-Faculty of Humanities and Education, School of Education and the Caribbean Examination Council. They also hosted an Organic product making workshop in collaboration with De la Enzie Essentials in February, 2020.
- The Faculty CAPE workshops were held during in January 2020 for the following subject areas: Biology, Chemistry, Computer Science, Geography, Mathematics and Physics. There were approximately 1800 participants. During the Chemistry workshop there were focused group discussions with teachers on the Faculty’s plan to start a Diploma and MSc STEM Education programme. Their feedback will be used to refine the draft survey instrument designed to assess market needs for this proposed programme.

AGILITY

Regional and International Collaboration: The Faculty signed several Memoranda of Understanding (MOU) and Partnerships agreements to support existing academic programmes, the development of joint research activities, staff or student exchanges and/or mutual visits between institutions. Regional and International Collaboration forged during 2019/2020 academic are listed below.

- An MOU was signed between the Faculty and the College of International Education Exchange of Taiyuan University of Technology, China. The MoU aimed to facilitate collaborative research on solid state materials.
- The Department of Life Sciences has signed an MOU with The Ocean Foundation for the Enhancing Capacity for Ocean Acidification Monitoring and Mitigation for Pacific Islands, Latin America and the Caribbean. MOUs were also signed with The National Environment and Planning Agency (NEPA) to facilitate:
 - “FST Exploratory and Pre-Feasibility Studies on the Products and Potential Products from Sargassum” by the Sargassum Research.
 - Determination of the Breeding Season for Queen Conch
 - Rehabilitation of the Winns Morass ‘Parcel A’ Mangroves in Trelawny
 - Ecological assessment of the Hope and Yallahs River
- Through the Natural Products Institute (NPI) a Research Service Agreement between Field Trip Natural Products and UWI was signed on the April 6, 2020, to conduct research on Psilocybin mushrooms. NPI also facilitated a Memorandum

of Agreement between the Flagstaff Maroon Community and UWI on July 31, 2020.

- The JPS Marubeni Power International Innovation Lab (iLab) was launched on Tuesday, October 29, 2019 at the Head of Office of JPS. A memorandum of understanding (MOU) was signed with The UWI. The Lab represents a physical space where JPS staff, UWI students and other relevant parties will meet to identify solutions to problems and challenges and also foster innovation.
- The University of the West Indies, Mona Campus through the Department of Geography and Geology and the University of North Carolina at Wilmington (UNCW), signed an MOU to strengthen collaborative relations between the two institutions in order to promote friendship and to co-operate toward the internationalization of higher education in a mutually beneficial association in general, and therefore, to develop academic and cultural exchange in education, research, and other areas.
- The Department of Geography and Geology established a cooperation agreement with the University of the South Pacific (USP) and the United Nations Pacific Financial Inclusion Programme (PFIP) focused on Climate Risk Insurance (CRI) and Adaptation in the Caribbean. The collaboration is to facilitate inter-regional, South-South learning, and research.
- Three conferences to be hosted by the Faculty were postponed due to the COVID-19 pandemic. It is the Intention of the Faculty to host these conferences in 2021. These conference are:
 - First International Mathematics Conference – December 2020
 - Frontiers of Research in Caribbean Science and Technology (FORECAST) 2020 (1st joint conference between the science faculties of The UWI Mona and UTech, Ja) – June 2020
 - Society for Economic Botany – May 2020

International Linkages: Three Faculty members were authors on the IPCC Special Report on Climate Change and Land (SRCCL). Dr. Adrian Spence (ICENS, Mona) was a lead author on Chapter 1 (Framing and Context), Dr. Donovan Campbell (Geography and Geology, Mona) was a lead author on Chapter 6 (Interlinkages between desertification, land degradation, food security and greenhouse gas fluxes), and Professor Nouredine Benkeblia (Life Sciences, Mona) was a review Editor for Chapter 5 (Food Security). All three received special awards from the Government of Jamaica for their IPCC involvement. Their involvement highlights UWI's continuing and leading contributing to the global science community examining the pressing issue of climate change. FST staff were also involved in the already released special report on 1.5 degrees.

In April 2020, The Ministry of Foreign Affairs and Foreign Trade of Jamaica designated The UWI, Mona and the National Commission on Science and Technology (NCST) as the National Focal Points to the IAI for Jamaica. Two current UWI staff members (Prof. Michael Taylor, Dean FST and Dr. Tannecia Stephenson, Head of Physics) were appointed to serve as the designated representatives from Jamaica to the IAI. The IAI is a regional intergovernmental institution that promotes scientific research and capacity building related to global change issues throughout the Americas to inform decision-makers. It currently has 19 parties (nations) in the Americas.

Other COVID-Related Initiatives or Happenings: In Celebration of World Environment Day (June 5 2020), the Faculty hosted a mini online conference under the theme “COVID and the Environment: For Better or Worse?”. The Conference featured presenters from the private sector and academia and was moderated by Professor Mona Webber, Deputy Dean and GraceKennedy/James Moss-Solomon Snr. Chair in Environmental Management. The forum was streamed live on *UWI Mona Media channel* and has since been viewed in excess of one thousand times.

The international Centre for Environmental and Nuclear Sciences (ICENS) brokered a deal with the International Atomic Energy Agency (IAEA) to help fight against the coronavirus in Jamaica. The Agency donated (2) RT-PCR machines and 2000 test kits to the Ministry of Health and Wellness.

A number of departments (Chemistry, Physics, NPI, Biotechnology Centre) helped with the manufacture of hand sanitizer solution in the initial stages of the pandemic.

Three Geography and Geology graduate students – Kristinia Dougherty, Aleem Mahabir and Romario Anderson – were selected as winners (Crime and Security category) from a pool of over 100 entrants in the 2020 Democratizing Innovation in the Americas (DIA) Labs Ideathon competition. The competition served as a platform for young professionals to start long-term projects in community building by seeking out innovative solutions to combat the impact of the fast-spreading COVID-19 pandemic in the sectors of education, health, economic relief and crime and security. The three-member team, assisted by Dr. Robert Kinlocke (lecturer Geography and Geology) proposed a solution to projected increases in crime rates due to the major economic disruptions from the unprecedented global effort being undertaken to flatten the COVID-19 curve.

Caring and Motivated Professional Staff: In November 2019, the second FST Technical and Support Staff Day was held to celebrate the work and contribution of these categories to the Faculty. Departments, Centres and Institutes of FST went all out to recognize the staff. Activities at the Departmental level included luncheons, tokens, video presentations starring the staff themselves, and spa treatments. In addition, the Faculty office invited all technical and service staff over for light refreshments. FST now celebrates Technical and Support Staff Day every last Thursday of November.

NOTABLE MENTIONS

- Professor Emeritus Tara Dasgupta received the Musgrave Silver Medal for his contribution to science. Findings from his research have been published in over 130 international peer reviewed journals and he has presented more than 100 papers at international conferences.
- Prof Michael Taylor was also a recipient of an FST Distinguished Awards 2020 in recognition of being named the 2019 Laureate of the Anthony N. Sagba Caribbean Awards for Excellence in Science and Technology.
- Dr. Nagarani Ponakala, Head of the Department of Mathematics was awarded the Bharat Ratna Indira Gandhi Gold Medal Award for outstanding individual achievement in Education and Research for 2019, by Global Economic Progress & Research Association (GEPR), New Delhi, India.
- Long Service Awards:
 - Dean's Office (FST): Maxwell Williams (30 years)
 - Department of Chemistry Roy Porter (21 years) and Winklet Gallimore (15 years)
 - Department of Computing: Ashley Taylor (30 years)
 - Department of Life Sciences: Debbie-Ann Brown (15 years) Maria Ford (Centre for Marine Sciences –15 years), Pamela Housen (Discovery Bay Marine Lab – 15 years) and Byron Wilson (21 Years)
 - Department of Mathematics: Marsha Jack (15 years)
 - Department of Physics: Margaret Little (21 years)
 - Earthquake/Seismic Unit: Raymond Stewart (21 years) and Paul Williams (30 years)
- Professors Ishenkumba Kahwa and Helen Jacobs from the Department of Chemistry were appointed Professor Emeritus.
- ChemWeb, the first website in the Caribbean, pioneered, developed and launched in the Faculty on the 27th September 1994 celebrated 25 years and 99 million hits.
- The Faculty was saddened by the passing of the following members of staff who gave invaluable service to Faculty:
 - Professor Emeritus Tara Dasgupta – Department of Chemistry
 - Dr. Willard Pinnock – Department of Chemistry
 - Mr. Peter Gayle – Discovery Bay Marine Lab
 - Ms. Tanhe Sang – Port Royal Marine Lab

DEPARTMENT OF CHEMISTRY

Dr Roy Porter, BSc, PhD, UWI – Head of Department



OVERVIEW

The Department of Chemistry remains committed to high standards of professionalism in delivery of its academic programmes, while cultivating an environment in which Chemistry and its beneficial role in education and the society at large can be recognized and appreciated. Through harnessing their talents, abilities and potential, our students have been empowered to think critically, intelligently and independently, thus aligning them to be fit for purpose.

Our staff engagement activities have encouraged staff to work as a team with the ultimate goal of achieving the Department's objective, and by extension, that of the University. Collaboration among, and the support of staff at all levels was critical in the Department being able to not only deliver our academic programmes, but also in the engaging of our external clients. We are appreciative of our external stakeholders and visitors, who have in myriad ways, helped to enrich our students' academic journey and scholarship within the Department.

At the end of the academic year, forty-nine (49) students graduated with a BSc in one of several Chemistry majors in addition, there were eighteen (18) non-major students with Chemistry minors; while for higher degrees, there were two (2) PhD, two (2) MPhil and seven (7) MSc graduates.

WORKSHOPS

The MSc Food and Agro Processing Technology (FAPT) programme continues to conduct meaningful workshops and as such hosted a series of Food Safety Preventive Controls Training sessions during the period August 27–29. Participants were from Honey Bun Ltd., Environmental & Maintenance Management Services, and the UWI.

STAFF MOVEMENTS

During the course of the year, the following staff members bid the Department farewell: Mr. Coniel Roye, Ms. Claudette Palmer (retired), Mr. Lloyd Samuels (retired), Dr. Dennis Bailey (retired), Professor Helen Jacobs (retired).

The Department was saddened by the passing of Professor Emeritus Tara Dasgupta and Dr. Willard Pinnock, two longstanding colleagues who gave invaluable service to the Department, the University and the wider society.

STAFF AND STUDENT ENGAGEMENT ACTIVITIES

- The Chemistry Department hosted its Christmas Luncheon on Thursday December 19th, 2019. Several retirees, namely Ms. Claudette Palmer, Mr. Lloyd Samuels, Dr. Dennis Bailey, Professor Helen Jacobs, and Professor Ishenkumba Kahwa, were honoured on that occasion for their years of service. Staff got the chance to relax and bond with colleagues.
- In November the Department's annual Technical and Service Staff Appreciation Day was celebrated; members of the technical and service staff were presented with certificates of appreciation and gift items.
- Two staff members, Dr. Winklet Gallimore and Dr. Roy Porter, were honoured at the UWI's annual Long Service awards. Together they served the University for a total of thirty-six (36) years.

DEPARTMENT SEMINAR

Dr. Marvadeen Singh-Wilmot continued the coordination of the department seminars, organizing fourteen (14) engaging and informative seminars covering a wide range of topics, which were delivered by visitors, faculty and postgraduates; seminars delivered by visitors to the department are listed below:

- Professor Robert Dibie, Distinguished Professor of Public Policy Analysis, Public Management and Environmental Studies, Indiana University Kokomo's Department of Public Administration and Health Management, "How to Publish Good Peer Review Journal Articles".
- Dr. Francine Taylor-Campbell, Education Officer with Responsibility for Chemistry, Ministry of Education, "The State of Chemistry in Jamaican Secondary Schools: Issues and Answers".
- Dr. Sasekea Harris, Head, Science & Engineering Branch Library (SEBL), Adjunct Lecturer: Dept. of Library & Info. Studies, The University of the West Indies, Mona, "Library Resources and its Relevance to Chemistry Researchers in the Age of the Internet".

- Miss Althea Gordon, Senior Assistant Registrar, Miss Hermine Tyrell, Senior Administrative Assistant, International Students Office “International Opportunities for Study and Research”.
- Professor Dale Webber, PVC and Principal, UWI, Mona, “Overview of the financial status of the University”.
- Dr. Kamilah Hylton, Dean, Faculty of Science and Sport, University of Technology (UTech). “STEM Education: A Real Jamaican View”.
- Mrs. Shanna-Kay Ming, PhD. Candidate, UWI, St. Augustine, “Structural Manipulation of Semiconducting Copper Indium Sulphide Nanoparticles”.
- Professor Ralph Robinson, Professor of Parasitology, UWI Mona “The Need for Ethics in Scientific Research”.
- Ms. Simone Williams, Student Services and Development Manager, UWI Mona, “Advising the new generation of students”.

MONA SYMPOSIUM

The Department hosted “The Mona Symposium: Natural Products & Medicinal Chemistry” from January 6–9, 2020. This was the 28th meeting in a series that started in January 1966 and has been held every two years since then. The symposium attracted 26 international participants from the USA, Canada, UK, Japan and Australia, as well as a large number of local academic staff and graduate students. The Organising Committee used the opportunity to have two Organic Chemistry Research Laboratories in the Department named after Professors Cedric Hassall and Wilfred Chan, eminent researchers who had made their mark in the department.

THE BETTER PROCESS CONTROL SCHOOL (BPCS)

Thirty-seven persons (from the local and regional food industry, regulatory agencies and UWI graduate students) participated in the Better Process Control School, a Bureau of Standards Jamaica-approved and (US Food and Drug Administration) FDA-approved certification course in the Department of Chemistry (January 13–17, 2020).

CAPE SPECTROSCOPY AND CHROMATOGRAPHY WORKSHOP

During the period January 13–17, 2020, the Department of Chemistry held another successful series of workshops on the applications of spectroscopy and chromatography in chemical analyses, as part of the requirements of Caribbean Advanced Proficiency Examinations (CAPE) in Chemistry (Unit 2). A total of 972 students and 56 teachers from 51 schools participated. Dr Sadler-McKnight (the workshop Coordinator), also

held Focused Group Discussions with the teachers on the Faculty's plan to start a Diploma and MSc STEM Education programme. Their feedback will be used to refine the draft survey instrument designed to assess market needs for this proposed programme.

VISIBLE EMISSIONS OBSERVER TRAINING

On January 21, 2020 the Department facilitated another staging of the Biannual Visible Emissions Observer (VEO) Certification Training offered by the National Environment and Planning Agency (NEPA).

STAFF AWARD

Professor Emeritus Tara Dasgupta received the Musgrave Silver Medal for his contribution to science. Findings from his research have been published in over 130 international peer reviewed journals and he has presented more than 100 papers at international conferences.

ACADEMIC VISITORS TO THE DEPARTMENT

During the academic year, the following persons visited the Department

- Professor Robert Dible, Indiana University Kokomo's Department of Public Administration and Health Management.
- Professor Melvin Pascall, Ohio State University

OUTREACH ACTIVITIES

ACS International Chemistry Festival (Jamaican Staging)

In November, the ACS Jamaica International Student Chapter and the Department of Chemistry hosted the Jamaican staging of the ACS International Chemistry Festival. This festival was designed to be a community outreach event that employed chemistry professionals and hands-on activities to highlight the importance of chemistry in everyday life. Emphasis for this local version of the event was placed on primary students and the National Standards Curriculum under the theme "Chemistry: An element of Fun". Participating schools were August Town Primary, Emmanuel Christian Academy, Louise Bennett Coverley Primary, PGA Preparatory and Turnberry Primary. Teachers from these schools were presented with teaching material, science kits and other gift items.

ACCESS

STUDENT AWARDS

The Department has sought to improve the quality of teaching, learning and student development by engaging in efforts to encourage more of the Department's alumni to donate to students' scholarships, bursaries and awards.

Although there was no official award ceremony for the Faculty of Science and Technology for AY 2019/2020, the prizes and scholarship for undergraduate students in the Chemistry Department were awarded as follows: **Truddi Clarke** (The Chemistry Department Prize), **Annie Roach** (The Garfield Sadler Award), **Tashique Gibson** (The Pavelich/Honkan Prize), **Odesha Taylor** (The Cedric Hassall Scholarship), **Ashley Atkinson** (The Leonard J. Haynes Award), **Danielle Lisle** (The Kenneth Magnus prize for Applied Chemistry), **Shawna-Kay Powell** (The Wilfred Chan Award), **Tiffany Smith** (The Willard Pinnock Prize), **Arianna Stephenson** (The Food Chemistry Prize), and **Sarah Barnett** (The Bert Fraser-Reid Award).

CHEMISTRY HONOURS SOCIETY (CHS)

The Chemistry Honours Society Ceremony for semester 2, 2018/2019, was held on Thursday, October 3rd, 2019. Guest Speaker was Ms. Simone Williams (Office of Student Services). There were eleven (11) awardees, seven (7) of whom were first time awardees and received the Bronze Award, while two (2) students received the Silver Award for qualifying for the CHS in two successive semesters. Two (2) students were awarded the Gold Award for being third time recipients.

BOOK LOAN SCHEMES

The Department continues with the operation of the book loan scheme for undergraduate students. The demand for the books at the introductory level continues to outnumber those for the preliminary and advanced courses.

STUDENT ENROLMENT

Student enrolment for the 2019/2020 academic year was as follows: Preliminary (166), Introductory (469), Advanced (233), Postgraduate (53).

PUBLICATIONS

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 - Falloon, O'Neil Calvin; Mujaffar, Saheeda; **Minott, Donna A.** (2020) Physicochemical and Functional Properties of Starch from Ackee (*Blighia sapida*) Seeds. *West Indian Journal of Engineering* 42(1), 54–65.
 - **Lawrence, Mark A.W.; Mulder, Willem H.;** Celestine, Michael J.; McMillen, Colin D.; Holder, Alvin A. (2020) Assessment of two cobalt(II) complexes with

- pincer ligands for the electrocatalytic hydrogen evolution reaction. A comparison of the SNS vs ONS coordination, *Inorg. Chim. Acta*, 506, 119497. DOI: 10.1016/j.ica.2020.119497. IF: 2.304
- Varlow, Cassis; Murrell, Emily; Holland, Jason P.; Kassenbrock, Alina; Shannon, Whitney; Liang, Steven H.; Vasdev, Neil (Co-corresponding), **Nickeisha A Stephenson** (Co- corresponding). (2020) Revisiting the Radiosynthesis of [18F] FPEB and Preliminary PET Imaging in a Mouse Model of Alzheimer's Disease. *Molecules*, 25, 982. IF: 3.267.
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- **Bakir, Mohammed; Lawrence, Mark W.;** Yamin, M.Bohari. (2020) Novel κ²-Nim,S- and κ⁴-C,Nim,(μ-S),(μ-S)-coordination of di-2-thienyl ketone thiosemicarbazone (dtkts). Hydrogen evolution and catalytic properties of palladacyclic [Pd(κ⁴-C,Nim,(μ-S),(μ-S)-dtkts-2H)]₄. *Inorganica Chimica Acta*. 507, 119592. <https://doi.org/10.1016/j.ica.2020.119592>. IF: 2.304
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and intestinal conditions. *Food Prod Process and Nutr* 1, 10. <https://doi.org/10.1186/s43014-019-0011-6>

- **Wray, Debbian; Goldson-Barnaby, Andrea; Bailey, Dennis.** (2020) Ackee (*Blighia Sapida* KD Koenig) – A Review of Its Economic Importance, Bioactive Components, Associated Health Benefits and Commercial Applications. *International Journal of Food Science* <https://doi.org/10.1080/15538362.2020.1772941>
- **Stephenson, Norda; Miller, Imron; Sadler-McKnight, Novelette.** (2019) Impact of Peer-Led Team Learning and the Science Writing and Workshop Template on the Critical Thinking Skills of First-Year Chemistry Students, *J. Chem. Ed.* 96, 841-849. IF: 1.385
- **Coy, André, James-Williamson, Sherene; Bramwell-Lalor, Sharon; Sadler-McKnight, Novelette; McLean, Natalie; Penugonda Rao Venkateswara; Rainford, Marcia.** (2019). A Review of a Tertiary Level Institution's Initiative for Enhancing Education in STEM at the Secondary School of *Education and Development in the Caribbean*. 18(1), 132–182.

Book Chapter

- **Downer-Riley, N. K.** “Synthesis and Functionalization of S heterocycles via CDC Reactions”. In *Heterocycles via Cross Dehydrogenative Coupling*, Srivastava, A & Jana, C. K. Eds: Springer Nature, 2019, 279–308 (ISBN 9811391440, 9789811391446)

ALIGNMENT

PAPERS PRESENTED

- **Marcel Denny** and Nadale K. Downer-Riley. “Approaches for the synthesis of 2-substituted naphthoquinone oxazoles”. Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).
- **Alexa Redway**, Nadale Downer-Riley and Yvette Jackson. “Studies towards the synthesis of violatinctamine and an analogue”. Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).
- **Doleasha D. Davis**, Melissa M. Marston, Winklet A. Gallimore, Thierry Tonon, Leonardo Gomez, Rachael Hallam and Simon McQueen Mason. “Analysis of selected monosaccharides composition of *Sargassum* species collected along the Palisadoes, Jamaica: *S. fluitans*, *S. natans I* and *S. natans VIII*”. Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).

- **Kellyann Clarke**, Roy Porter, Petrea Facey and Camille Thoms-Rodriguez. “Characterization and antimicrobial activity of essential oils from Jamaican *Cannabis sativa* at different periods of maturity”. Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).
- **Jordan M.G. McKenzie** and Paul B. Reese. “Assessing the potential for the transformation of testosterone using free and immobilized filamentous fungi”. Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).
- **Marielle Coley**. “Nitrites in processed meat: quantification and effect on public health”. Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).
- **Miguel Thaxter** and Michael Coley. “Preliminary evaluation of the aeroqual S500 gas sensors For measurement of ambient CO, NO₂ and O₃ in the Kingston Metropolitan Area”. Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).
- **Neenem Dilworth** and Mohammed Bakir. “X-ray crystallographic and spectroscopic properties of group 12 metal complexes of di-2-pyridyl ketone thiosemicarbazone”. Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).
- **Oneiro K. Cherrington**, Denton K. Fearon, Garren R. Nelson and Paul B. Reese. “Secondary metabolites produced by *Paraconiothyrium cyclothrioides* utilizing elicitation and manipulation of medium composition”. Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).
- **Raylee Dunkley** and Ian Thompson. “Textural properties of starch-gelatin composite gels prepared from acetylated cassava (*Manihot esculenta* crantz) starch”. Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).
- **Ricaldo K. Pryce** and Paul B. Reese. “Synthesis of novel rearranged stemodane diterpenoids and their biotransformation by *Exophiala lecanii-corni*”. Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).
- **Romario Smith** and Roy Porter. “Proximate and mineral analyses of the *Cannabis sativa* seed.” Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).
- **Shaunté Cotterell**, Nadale Downer-Riley and Ainka Brown. “An examination of the Willgerodt-Kindler reaction for the preparation of thiobenzanilides”. Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).
- **Modupeola Abayomi** and Roy B. R. Porter. “The ultrasonic assisted extraction and proximate analysis of annatto seed”. Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).
- **Jordon Freeman**, Roy Porter and Dewayne Stennett. “Characterisation of starch from ackee (*Blighia sapida*) seeds and the potential for industrial utilisation”. Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).

- **Abigail T. Richards** and Debbie-Ann D.S. Gordon-Smith. “Phosphate adsorption on carbonate sediments in Discovery Bay, Jamaica”. Mona Symposium, Kingston, Jamaica. January 2020. (Oral Presentation).

PUBLIC SERVICE

Dr. Marvadeen Singh-Wilmot

- Planned activities (in collaboration with the Ministry of Education) for CAPE CHEMISTRY CONSULTATIONS and WORKSHOPS FOR TEACHERS.
- Member of the planning committee for a Virtual Poster Competition Event, in collaboration with the Commonwealth Chemistry Federation and the Royal Society of Chemistry.
- Presented a talk at Brookhaven National Lab, NSLS2, 28ID Group entitled “In-Situ Investigation of Self-Assembly Processes and Host-Guest Interactions of Lanthanide Metal-Organic Frameworks”.

Dr. Debbie-Ann Gordon-Smith

- Member of Project Team, Water Resources Authority/International Atomic Energy Agency Project: “Determining Potential Contamination Pathways for Groundwater and Surface Water Recharge and Flow Dynamics in the Rio Bueno Sub-WMU of the Dry Harbour Mountains Hydrologic Basin” (IAEA/WRA TC#JAM7006).
- Member of Project Team, National Water Commission/Water Resources Authority/International Atomic Energy Agency Project: “Assessing Recharge Processes & Groundwater Dynamics by using Isotopic Techniques in the Rio Cobre Hydrologic Basin (RCHB)” (NWC/WRA/IAEA TC#JAM7004).
- Member of Project Team, National Irrigation Commission/International Atomic Energy Agency Project: “Optimizing Irrigation Water Management to Improve Crop Output and Water Quality Control” (NIC/IAEA TC# JAM5012).
- Member of Project Team, National Water Commission/International Atomic Energy Agency Project: “Assessment of the Kingston Hydrologic Basin” (NWC/IAEA TC#JAM7003).

Dr. Novelette Sadler McKnight

- Coordinated CAPE Chemistry Spectroscopy workshop, January 13–17, 2020.

Dr. Donna Minott Kates

- Board Chairman, Grove Primary and Infant School

AGILITY

INCOME GENERATION

- Consultation fees, summer school and other departmental income: \$7,405,618.
- Dr. Debbie-Ann Gordon-Smith received new field and laboratory equipment for the Environmental Research Laboratory, Department of Chemistry from the National Irrigation Commission/International Atomic Energy Agency JAM5012 project, August 2019 (value: US\$51,000).
- Dr. Andrea Goldson-Barnaby received a grant of US\$2500 from the American Chemical Society Student Chapter. The fund was expected to be used to cover costs associated with facilitating the attendance of two students to the ACS conference that would be held on March 22–27, 2021 in Philadelphia, US.
- Graduate students Oneiro Cherrington (J\$138,744 and US\$955) and Jordan McKenzie (US\$150) received funds from the Mona Campus Research and Publications & Graduate Awards Committee.

DEPARTMENT OF COMPUTING



Dr. Gunjan Mansingh, BSc (*Bombay University*), MPhil, PhD (*UWI*)
– Head of Department

OVERVIEW

The Department of Computing (DoC) continues to offer multiple undergraduate and postgraduate programmes. We regularly revise our undergraduate programmes to keep them in line with international curricula recommendations for Computing. Our graduates from the undergraduate and graduate programmes are highly sought after and can easily find employment both locally and internationally.

Our linkages with industry continue to grow as our students land internships with various local and international companies like National Commercial Bank, IBM (USA) and Goldman Sachs (Hong Kong). The department had one PhD graduate in the academic year who was awarded the degree with High Commendation. One of our recent graduates from our BSc. Computer Science programme took up a job offer with Apple in Vancouver and another with Goldman Sachs in Hong Kong.

The 2019/20 academic year brought challenges due to the Covid-19 Pandemic. The Department had no issues in adjusting to the virtual mode as we were already offering some programmes in the blended mode and streaming courses to other campuses. The academic staff in the department helped in organizing various training programmes on Blackboard Collaborate, Zoom and OurVLE features to train others in the Faculty of Science and Technology. Our student body, UWI Computing Society, also assisted by creating videos to help students on how to use the tools that would be used in the virtual mode.

PROGRAMMES AND STUDENT NUMBERS

The department continues to offer many undergraduate and postgraduate programmes as shown below.

Undergraduate

- BSc General

- Computer Science major (CS)
- Software Engineering major (SE)
- BA (Computer Science major)
- BSc Information Technology (IT)
- BSc Computer Systems Engineering – On hold
- BSc Software Engineering – Years 1 and 2 are offered at The UWI and years 3 and 4 in China at GIST.

Graduate/Postgraduate

- MSc – Applied Data Science
- MSc – Computer Science
- MSc – Information Systems
- Postgraduate Diploma in IT
- M.Phil. and PhD. – Computer Science

The number of students registered in the various programmes in the 2019/20 academic year are displayed in Table 1. The data in Table 1 reflects the number of distinct students who register for courses at each level within the specified academic years. The BSc IT programme is also offered at Western Jamaica Campus (WJC), first year courses are taught face to face and we stream advanced levels courses to WJC. Year 1 courses were also streamed to St. Augustine campus.

Table 1. Showing student numbers registered in the Department of Computing in the last 5 (five) years.

LEVEL	2015–2016	2016–2017	2017–2018	2018–2019	2019–2020
Introductory	619	626	725	626	557
Advanced	321	352	375	433	445
M.Sc. Comp. Sci	38	37	26	27	21
M.Sc. CBMIS	53	69	68	75	66
M.Sc. Applied Data Science	–	–	–	–	10
PGDIT	17	3	13	5	–
M.Phil.	12	11	16	9	10

Table 2: Students graduating across majors in 2019

Major	First Class M/F	Upper Second M/F	Lower Second M/F	Pass M/F	Total M/F
Computer Science (B.Sc.)	6/2	12/7	8/4	7/0	33/13
Computer Science (B.A.)	0/0	0/0	1/0	2/1	3/1
Information Technology (B.Sc.)	0/0	3/0	4/1	1/1	8/2
Software Engineering (B.Sc.)	0/0	1/1	4/1	0/0	5/2
Total	6/2	16/8	17/6	10/2	49/19= 67

ACCESS

As a result of the Covid-19 pandemic, teaching of face-to-face classes was suspended on March 13, 2020 in accordance with Campus directives, with teaching to be resumed on April 14, 2020. All undergraduate and most postgraduate courses of the department already had existing course containers on OurVLE, which aided in the transition to online teaching. The Department already had experience with blended mode of teaching as several courses were being streamed to WJC and STA hence with minor adjustments – for example, how to organize tutorials and labs in the virtual mode, the department was ready to be fully functional with virtual classes.

To determine the readiness of our students to resume classes via online teaching, the Department conducted a survey of its students to determine how many students were indeed ready. Of the department's 700 registered students, approximately 320 responded. 90% of the students who responded indicated that they currently had Internet access, while 75% indicated that they were able to go online whenever it was necessary. It is unclear whether the sub-50% response rate reflects apathy or students' inability to get online. The Department had approximately 20 Chromebooks in storage, which were made available to faculty/staff and students. Three devices were given to faculty members from other departments and Faculty Office and the remaining 17 were given to students who had indicated to the Computing Society that they did not have devices to get online.

WORKSHOPS AND SEMINARS

- Dr. Kevin Miller held a two-day workshop in September 2019 on “Understanding Data” with a group of researchers in the Epidemiology Unit at the Ministry of Health, Jamaica.
- Members of the department participated in the Jamaica Computer Society’s conference: Biztech October 2019 – Digital 4.0 – Innovation in Action.
- Dr. Kevin Miller made a presentation titled “OptiPress: A distributed Mobile Agent Decision Support system for Optimal Drug Prescription” The talk provided a platform for Dr. Miller to present his research to industry.
- Dr. Gunjan Mansingh along with her co-authors, Dr. Lila Rao-Graham and Dr. Maurice McNaughton, made a presentation on their book titled “Business Intelligence for Small and Medium Sized Enterprises: An Agile Roadmap Toward Business Sustainability”.
- Dr. Ashley Hamilton-Taylor was invited to attend the “Black UX Network Summit” at Google headquarters in California on November 4th, 2019. His presentation was entitled *Bringing UX Education to Jamaica*.
- Dr. Gunjan Mansingh attended a UNESCO workshop on “Teaching and Learning Competencies for AI from an Information Access Perspective” in Paris on November 7th, 2019. The objective of the workshop was to provide recommendations on – Artificial Intelligence competencies for teachers and learners linked to the ICT Competency Framework for Teachers and information literacy.
- Professor Daniel Coore gave a webinar in March 2020 on the experience of licensing the patent for the UWI Cardiac Surgery Simulator. He highlighted many of the gaps in technology transfer capabilities and discussed how these gaps can be closed. He outlined some of the activities that can be done in parallel, in order to achieve the vision of becoming an entrepreneurial university.
- Dr. A.G. Hamilton-Taylor and Kishau Rogers, CEO - Time Study, were discussants on an international forum in May 2020, hosted by the Centre for Reparation Research, IJWI and broadcasted on UWI TV entitled “The Uses and Abuses of Algorithms and Artificial Intelligence: Is Racism a Feature?” The main presenter was Professor Ruha Benjamin of Princeton University and the moderator was Professor Verene Shepherd. The broadcast and video had a viewership of over 3000 persons.
- Mr. Anthony Drummonds hosted a virtual workshop, Titled: “Zooming It: A Technological Platform to KEEP CONNECTIVITY DURING and AFTER COVID-19 PAMDEMIC”, on May 22, 2020. Participants of the workshop included representatives from different community-based organisations in Jamaica and members of the Mona Social Services Office. The workshop was organised by the Mona Social Services Office.

- **ICT Development:** Professor Daniel Coore along with Mr. Alton Bodley, Mr. Matthew Budram and Mr. Yannick Lyn-Fatt began working on a tool to help with timing asynchronous examinations on OurVLE (i.e. an examination that may be available for 3 days on OurVLE). The tool will allow a student to certify that they spent the allotted amount of time (e.g., 2 hours) on a document (e.g., the answer sheet), even though the examination may be available for 3 days. The tool aims to overcome the issue of students losing connectivity during an examination and being unable to upload their answers before the end of the examination by certifying the file they generate with a time stamp that is difficult to fake.

PUBLICATIONS

Books

- Rao L., McNaughton M. and Mansingh G. (2019). *Business Intelligence for SMEs: An Agile Roadmap for Sustainability*. Boca Raton, Florida and London: CRC Press, Taylor & Francis Group, ISBN-13: 978-1-138-58421-1.

Conference Proceedings

- Bodley A., Mansingh G. and Osei-Bryson K.-M. (2019). Data Mining in Cricket Team Selection, Proceedings: 25th Americas Conference on Information Systems (AMCIS), Cancun, Mexico, Aug 14–18 2019. 5 pages.
- Anderson, R. (2019). An Assessment of the Impacts of Workflow Management Systems on Knowledge Management Process Activities. Proceedings of the 5th IEEE International Conference on Collaboration and Internet Computing (IEEE-CIC 2019), December 12–14, 2019, Los Angeles, California, USA, 8 pgs., IEEE, 2019.
- Maitland, N. B., Osei-Bryson, K. M., & Mansingh, G. (2020). Using Knowledge Management to Strengthen Information Security Policy Development in Developing Countries: Case - Jamaica. Proceedings: International Conference on Information Resources Management (Conf-IRM) Evolving Human and Organizational Practices in the Intelligent Age, Miami, Florida, USA. May 28–29, 2020, 12 pages.
- Uwaoma, C., Mansingh, G., Pepper, W., Lu, W. and Xiang, S. (2019). Estimation of Physical Activity Level and Ambient Condition Thresholds for Respiratory Health using Smartphone Sensors. Proceedings of the 9th International Conference on Pervasive and Embedded Computing and Communication Systems (PECCS 2019), pp. 113-120, Vienna, Austria, Sept 19–20 2019, ISBN: 978-989-758-385-8. DOI: 10.5220/0008170001130120.

Journals

- Ewedafe S. U, & Rio H. S. 2019. “Input File Affinity Measure Running on Master-Worker Paradigm with MPI/PVM”. *International Journal of Emerging Trends & Technology in Computer Science (IJETTCS)*, Volume 8, Issue 6, November–December.
- Ewedafe S. U, Rio H. S. 2019. “The Numerical Solution of Heat Equation by the Fourth-Order Iterative Alternating Decomposition Explicit Method with MPI.” *International Journal of Engineering and Advanced Technology (IJEAT)*, Volume-8-issue-6s3/, September, pp 4–9, <http://www.ijeat.org/download/volume-8-issue-6s3/>. ISSN 2249–8958.
- Fokum D. T., Coore D. N., Mansingh G. (2020). “Academic Literacies in Computing at the UWI”. *UWI Quality Education Forum*, 24, pp 114–127, ISSN: 0799-1487.

Book Chapters

- Ormsby, M. and Busby-Earle, C. (2020). “Agile Scaled Steps of Doneness: A Standardized Procedure to Conceptualizing and Completing User Stories across Scrum Teams and Industries, Evaluation of Novel Approaches to Software Engineering”, Editors Ernesto D., Spanoudakis G., Maciaszek L. A., Publisher Springer, *Communications in Computer and Information Science* pp. 364–377.

Presentations

- Gunjan Mansingh, “Data Analytics in Jamaica – The Implications for the Countries in the Caribbean”, **CARISCIENCE – Big Data Workshop**, September 23–27, 2019, U.W.I., Trinidad and Tobago.
- Gunjan Mansingh, “Big Data Analytics in the Region – What do we need?”, **CAIHR 20th Anniversary Symposium**, September 18–19, 2019, U.W.I., Jamaica.
- Gunjan Mansingh. “DeMystifying AI”, **National Youth Workshop on Future Work: Realising Productivity Growth**, November 21, 2019, Jamaica Conference Centre, Jamaica.
- Ricardo Anderson, “Robotics: Driving the STEM Agenda, Educating a New Generation”, **Jamaica Diaspora Education Task Force Education Summit**, July 12, 2020, Virtual, Jamaica.

Students

- In the 2019/20 academic year, the department only had three student awards – The Karl Robinson, NCB Best Second Year Computer Science/Software Engineering

Student, and NCB Best Second Year Information Technology Student Awards. The Karl Robinson Award was given to a third-year student with the highest GPA in Computing courses across the first and second years. This academic year, the award was given to Mr. Nathaniel Christie. The value of the award was J\$50,000.00. Ms. Joanna-Joy Gray received the NCB Best Second Year Computer Science/Software Engineering Award, while Mr. Swayne James received the NCB Best Second Year Information Technology Student Award.

- **CAPE Workshops:** The Department of Computing participated for the third time in the CAPE workshops put on by the Faculty of Science and Technology by hosting two workshops for Computer Science at the Western Jamaica Campus. A total of 36 students and their teachers attended from 2 high schools, Cornwall College and York Castle high school. At the second workshop, 10 students attended from 3 high schools, Cornwall College, York Castle, and Mount Alvernia. Dr. Ricardo Anderson led the workshop while the administrative components were operated by Dr. Phillipa Bennett and Dr. Carl Beckford. The workshops were successful as both students and teachers benefited from the presentations.

ALIGNMENT

Academic: In order to adequately plan which elective courses would be offered in the 2020/2021 academic year, the Department of Computing surveyed all students in level 2 courses to determine enrolment plans for next academic year. Based on the data, the electives courses were selected to be offered in Academic year 2020/21. The courses selected were closely aligned to industry needs and the domain requirements.

Internships: Even during the pandemic our various internship arrangements continued.

Goldman Sachs visited the department on November 7th, 2019 to recruit students for their internship programme. They gave a talk to 30 students after which the students had to use an online programming environment called HackerRank to solve programming challenges created by Goldman Sachs. One of the leads from Goldman Sachs told us afterwards that she was quite pleased with the problem solving skills demonstrated by our students. The Department has been using the HackerRank environment in its first year and second year courses to give weekly programming challenges. Our efforts with HackerRank are paying off as the environment and the concept of programming challenges is something our students are already exposed to. Goldman Sachs also hosted a reception in the evening to interact with students and staff from the department.

Mr. Nathan Downer was awarded an internship at Goldman Sachs in Hong Kong for the Summer period which he successfully completed and now has been offered a

full-time job starting January 2021. He will be our second student to be employed by the Hong Kong office of Goldman Sachs.

We have continued the *NCB* internship programme with a third cohort. Fifteen student interns were identified and later vetted by NCB. The programme continued successfully in the virtual mode and most of the interns were offered full time contracts.

A Computing Student at UWI, Mona Campus was selected for *IBM* Research – UWI Scholars Programme. Students with high GPA's from two campuses (Mona and St. Augustine) were interviewed for the IBM-UWI Scholars 2020 programme. The initial interviews were done at the different campuses and the selected candidates were interviewed by IBM in February. The successful candidate was Zidane Wright from the Department of Computing, Mona. He was offered an internship position this summer in New York at the IBM T.J. Watson Research Center. Dr. Nicholas Fuller of IBM Research, who led the selection process on the IBM side stated: "Overall, the student quality continues to be high (based on the 4 conducted interviews), so in short would just like to congratulate and continue to support your efforts in making UWI very strong."

Two students from the Department, Mr. Nathan Downer and Mr. Nathaniel Christie, were selected to visit China for two weeks on the *Huawei* "Seeds for the Future" programme in September 2019.

BOOK LAUNCH

On December 4, 2019 Dr. Gunjan Mansingh and co-authors, Drs. Lila Rao and Maurice McNaughton, launched the book *Business Intelligence for Small and Medium Sized Enterprises: An Agile Roadmap towards Business sustainability*. The book launch had in attendance both academics and industry persons. The guest speaker at the event was Mr. Courtney Campbell, President & CEO, Victoria Mutual Group. At the launch, copies of the book were presented to various industry leaders and Honourable Fayval Williams, Minister of Science, Energy and Technology.

DONATIONS

In December 2019 Hardware & Lumber (H&L) Limited donated USD 3,000 of computer equipment to the Department of Computing which comprised 8 routers and 8 switches. The equipment is being used to support some of the Department's networking courses, e.g., COMP3192 – Implementation of Computer Networks, so that students can have hands-on experience with routers and switches. This donation was spearheaded by Mr. Edward Taylor, Technology Solutions Manager at H&L, and an alumnus of the Department of Computing.

VISITS

Our visiting professor, Professor Kweku-Muata Osei-Bryson visited the department from November 28th to December 2nd, 2019. During his stay he met with all post graduate students and some faculty members to guide them in the research process.

Mr. Anton Zamora Ilarionov, a Medical Informatics Consultant to IDB presented on Health Informatics on Thursday October 24th, 2019 to UWI Computing Society Students. He encouraged students to participate in open source health projects.

AGILITY

This academic year the department exhibited agility by easily transitioning to online classes, labs, and office hours. Dr. Carl Beckford, with support from colleagues in the department, led four workshops for academic staff in the Faculty of Science & Technology. The workshops covered Blackboard Collaborate, OurVLE's assessment & quiz module, and Zoom. The workshops were helpful in allowing academics to know the different possibilities in using the tools for teaching and assessment.

Students from the Computing Society, under guidance from Computing lecturers, produced tutorial videos showing students how to use Zoom and Blackboard Collaborate. These videos have been made available to the rest of the University.

Our internship programme grows from strength to strength. Every year we partner with more organizations where our students are placed as interns. In fact we get more requests for internships than the number of students willing to participate.

We encourage our students to participate in international coding contests which increases visibility of UWI and it makes the students better able to access international employment opportunities such as Goldman Sachs, Google, WordPress, Apple and Lyft.

Our undergraduate curricula are compliant with recommendations of the international recognised professional bodies such as the ACM/IEEE-Computer Society. This enables our programmes to articulate readily with international programmes.



DEPARTMENT OF GEOGRAPHY AND GEOLOGY

Dr. Donovan Campbell – Head of Department

WORK OF THE DEPARTMENT

Dr. Donovan Campbell was appointed as Head of Department for the period 2019–2022. He replaced Professor Simon Mitchell who completed his second term in the position. Professor Mitchell went on sabbatical leave at the beginning of the academic year, and Ms. Nathalie Robinson covered his teaching duties. Dr. Michael Burn returned from sabbatical leave and continued in his role as coordinator for the Geography programme. Dr. Thomas Stemann continued as coordinator for the Geology programme. Dr. David Miller continued as examinations coordinator. Dr. Robert Kinlocke returned from his one-year research fellowship in Canada and received his first three-year lectureship appointment. Emeritus Professor David Barker was appointed for a year to teach on the Geography program. Mr. Kevin Tankoo was employed as an assistant lecturer to teach the course Petroleum Geology on the Geology Programme. Dr. Arpita Mandal continued to serve as Graduate coordinator. Dr. Sherene James-Williamson was promoted to Senior Lecturer and appointed as Associate Dean for Undergraduate Matters. Dr. Thera Edwards served as coordinator for outreach activities. The Department ran a full set of courses for the year despite having several vacant positions.

At the beginning of the academic year, the Department established a 5-year strategic plan (2019–2024) around six priority areas: staffing and administration; teaching and undergraduate curriculum; research and postgraduate programmes; finance and resource mobilization; outreach, visibility, and linkages and; infrastructure and work environment. The strategic plan is established on a vision for progressive and transformational change to support novel and societally relevant research and teaching while engendering a culture of staff success and happiness. For the year 2019–2020, the department focused on four main initiatives: revision of the Geography undergraduate programme, updating the departmental websites, strengthening its geospatial capabilities, and establishing strategic research partnerships.

ACCESS

STUDENTS

One of the goals of the 2019–2024 strategic plan is to “fashion a geography and geology curriculum that promotes exposure to progressive and transferable technical and practical skills”. A key output of this goal is the approval of the revised Geography undergraduate programme. Student feedback over the years suggests that a reconfigured geography major will appeal to students wishing to exit academia after a first degree. It will offer broad exposure to a wider range of courses and opportunities for students to tailor course combinations in geography, which are better aligned to their chosen career path.

The revised Major will make the compulsory 6-credit undergraduate thesis optional by providing access to a new internship course (GEOG3433 Geography Internship and Work Experience) that will enable students to gain valuable work experience. While the integration of a new internship course and a broader choice of applied undergraduate third-year options into the revised Geography Major will meet the needs of students wishing to develop their careers outside of academia, the proposed Applied Major in Geography (BA/BSc) programme will cater for those students wishing to build their research capacity and embark on postgraduate research careers.

The revised Geography programme was approved by The UWI Academic Quality Assurance Committee (AQAC) on June 16, 2020. Final approval from the Board for Undergraduate Studies could facilitate the offering of the revised programme in the 2020/2021 academic year.

Student numbers

Undergraduate				Postgraduate	
<i>Geography</i>		<i>Geology</i>			
				MPhil Geography	8
Year I	85	Year I	55	MPhil Geology	4
Year II	19	Year II	21	Ph.D. Geography	5
Year III	30	Year III	23	Ph.D. Geology	3

RESEARCH AND GRADUATE ACTIVITY

The Department made significant strides towards reviving/rebranding its research units. The Department has three research units: Marine Geology Unit, Unit for Disaster Studies, Earthquake Unit. Of the three, only the Earthquake Unit is currently active. Staff consultation during the development of the strategic plan revealed four priority groups/clusters of research interest: disaster studies, geospatial research, water resources, and, coastal environments. For the 2019–2020 academic year, the department initiated the process to revive the Unit for Disaster Studies (UDS), rename the Map & Image Library (as the Geospatial Support Group – GSU) and, formalize the Caribbean Environments Research Group (CERG) and the Water Studies Group (WSG).

In support of the objective to strengthen the geospatial capacity of the Department, seven high-performance computers and 20 research tablets were acquired in January 2020. The computers and the research tablets are important assets for the GSU which will function as the hub of geospatial expertise across the Department, and a mechanism for engagement and collaboration with external partners.

Ph.D. degrees were awarded to Ms. Anne-Teresa Birthwright and Ms. Shaneica Lester. Ms. Birthwright's research focused on *The vulnerability of the Jamaican coffee industry in a period of global change: Comparing the livelihood experience of blue mountain and high mountain smallholders*. Ms. Lester's research focused on *Contested urban waterscapes: governance, sustainability, and the political ecologies of water security in Kingston, Jamaica*.

Mr. Aleem Mahabir was selected for the prestigious Clinton Global Initiative University Fellowship to pursue work on a social initiative that aims to provide career and skills training to young adults in underserved communities in Port of Spain. Ms. Jhannel Tomlinson received the Prime Minister's Youth Award for Environmental Protection. She was also a Guest Speaker at the Grace Kennedy Foundation Scholarship Awards Ceremony.

Mr. Aleem Mahabir, Ms. Kristinia Dougherty, and Mr. Romario Anderson were members of a team that recently entered the 2020 Democratizing Innovation in the Americas (DIA) Labs Ideathon. The competition aimed at developing novel solutions to problems arising from the COVID-19 pandemic in the fields of education, health, economic relief, and crime and security. For their idea, they were chosen as winners of their category from a field of well over 100 participants and will receive funding from the Institute of Labour and Economics, Citibank, Trust for the Americas, and the Organization of American States to implement their solution in a community which shall be used as a pilot for the rest of Jamaica.

Drs Arpita Mandal and Rose-Ann Smith collaborated with the Caribbean Catastrophe

Risk Insurance Facility (CCRIF) and The UWI Open Campus to implement a training on Disaster Risk Financing for SIDS between July 8–29, 2020. Professor Simon Mitchell attended a CDEMA workshop on updating Volcanic and earthquake responses in the Caribbean between the 5th and 7th February 2020, in Tobago. Dr. Thomas Stemmann completed his supervision of

Fulbright Scholar, Mr. Broc Kokesh in September 2019. Mr. Broc is a postgraduate scholar from The University of Chicago, Department of Geosciences. He spent 9 months in the Department conducting research in the Kingston Harbour region.

PUBLICATIONS

Peer-reviewed

- Andjić, G., Escuder-Viruete, J., Baumgartner-Mora, C., Baumgartner, P., Mitchell, S., Caron, M. and Caus, E. (2019). Sedimentary record of arc-continent collision along Mesozoic SW North America (Siuna Belt, Nicaragua). *Tectonics*. <https://doi.org/10.1029/2019TC005741>
- Blythe, J., Armitage, D., Alonso, G., Campbell, D., Esteves Dias, A., Epstein, G., Marschke, M. and Nayak, P. (2019). Frontiers in coastal well-being and ecosystem services research: A systematic review. *Ocean & Coastal Management*, p.105028. DOI: <https://doi.org/10.1016/j.ocecoaman.2019.105028>
- Coy, A., James-Williamson, S., Bramwell-Lalor, S., Sadler-McKnight, N., McLean, N., Penugonda, V., & Rainford, M (2019). A Review of a Tertiary Level Institution's Initiative for Enhancing Education in STEM at the Secondary School Level. *Journal of Education and Development in the Caribbean*, Vol. 18 No. 1 2019 • ISSN 0799-5180
- Marschke, M., Campbell, D. and Armitage, D. (2019) "Precarious livelihoods: Examining the intersection of fish work and ecological change in coastal Jamaica", *People and Nature*, 2(1), pp. 152–162. <https://doi.org/10.1002/pan3.10061>
- McElwee, P., Calvin, K., Campbell, D., Cherubini, F., Grassi, G., Korotkov, V., Le Hoang, A., Lwasa, S., Nkem, J., Nkonya, E., Saigusa, N., Soussana, J.-F., Taboada, M.A., Manning, F., Nampanzira, D. and Smith, P. (2020), The impact of interventions in the global land and agri-food sectors on Nature's Contributions to People and the UN Sustainable Development Goals. *Global Change Biology*, 26(9), pp. 4691-4721. <https://doi.org/10.1111/gcb.15219>
- Mitchell, S. (2020) "Cretaceous geology and tectonic assembly of Jamaica", Geological Society, London, Special Publications, pp. SP504-2019-210. doi: <https://doi.org/10.1144/SP504-2019-210>

- Mitchell, S., Robinson, E. and Robinson, N. 2020. Nomenclatural clarification on some Jamaican Eocene Larger benthic Foraminifera. *Caribbean Journal of Earth Science*, 52, 1–6.
- Smith, P., Calvin, K., Nkem, J., **Campbell, D.**, Cherubini, F., Grassi, G., Korotkov, V., Le Hoang, A., Lwasa, S., McElwee, P., Nkonya, E., Saigusa, N., Soussana, J., Taboada, M., Manning, F., Nampanzira, D., Arias-Navarro, C., Vizzarri, M., House, J., Roe, S., Cowie, A., Rounsevell, M. and Arneth, A. (2019). Which practices co-deliver food security, climate change mitigation and adaptation, and combat land-degradation and desertification?. *Global Change Biology*. <https://doi.org/10.1111/gcb.14878>
- Wright, V., Hornbach, M., Brown, L., McHugh, C. and **Mitchell, S.** (2019). Neotectonics of Southeast Jamaica Derived From Marine Seismic Surveys and Gravity Cores. *Tectonics*. <https://doi.org/10.1029/2019TC005806>

Technical Reports

- **Campbell, D.**, Constable, A., **Scott, L.**, **Buckland, S.** (2020) Socio-Economic Assessment of the Yallahs and Hope Watershed Management Units report, under the Integrated Management of the Yallahs and Hope River Watershed Management Areas Project. National Environment and Planning Agency (NEPA). Kingston, Jamaica.
- **Campbell, D.**, **Kinlocke, R.**, Harriot, K., **Green, R.**, James, M. & **Daley, K** (2020) Climate Change Adaptation and Risk Reduction Technology and Strategies to Improve Community Resilience' (CARTS) GIS Training Manual. Westmoreland Municipal Corporation. Savanalar, Westmoreland, Jamaica.
- Eyzaguirre, J. **Campbell, D.**, Gardiner, A-G., and Burrowes, R. (2019) Towards Climate-Smart Practices Across the Fish Value Chain: Knowledge-Attitudes-Practice Study. Caribbean Regional Fisheries Mechanism Research Paper Collection, Vol. 8. ISBN: 978-976-8293-07-7
- Harrison, W., **Mandal, A.**, Gordon Smith, D., Selby, C., Street, M., Marshall, G., Patterson, N., **Harris, P.**, McFarlane, K., Samuda, N., Lakeman, L. & Wellington, D. (2019). Assessment of the Kingston Hydrologic Basin. National Water Commission. Prepared for the International Atomic Energy Agency (ICENS). JAM No. 7003.
- Khan, A., **Campbell, D.**, Singh-Renton, S., Murray, A. & Eyzaguirre, J (2019) Towards Climate-smart Value Chains in Caribbean Fisheries, *Caribbean Regional Fisheries Mechanism Research Paper Collection*, Vol. 9. ISBN: 978-976-8257-92-5
- **Mandal, A.**, **Smith, R.A.J.**, **Edwards, T.**, **Kinlocke, R.**, **Mitchell, S.**, Trench, C., Webber, M., Francis, P. and Spence, A. 2019. "Local Scale Assessments on

Mangrove Ecosystems Status and their Role in Coastal Resilience”. Technical Report. World Bank, 173 pp.

- **Mandal, A., Mitchell, S.E., Miller, D., Blissett, D. and Green, R.** 2020. A final report to Ministry of Economic Growth and Job Creation on a two-year study conducting a sedimentary budget of the Upper Rio Minho watershed, within the parish of Clarendon, Jamaica. The study was implemented by the department of Geography and Geology, Mona Campus. Adaptation Programme and Financing Mechanism for PPCR Jamaica JA – L1048/JA – G1002. Sediment Budget and Monitoring (URMW) PFM/1B-004. 230 pp.

ALIGNMENT

PAPERS PRESENTED

- **Burn, M., Campbell, D., Palmer, S., Maezumi, Y., & Buddo, D** (2019) Caribbean Environments Research Group (CERG). Poster presented at Global Marine Science Summit, University of North Carolina Wilmington, United States. October 10, 2019.
- **Campbell, D** (2019) Fish sanctuary as a tool for strengthening climate resilience in Jamaica – emerging research insights. Presented at Global Marine Science Summit, University of North Carolina Wilmington, United States. October 11, 2019.
- **Campbell, D** (2019) Identification of barriers for non-market technologies for climate change adaptation and mitigation. Presented at the 2nd Regional Capacity Building Workshop for the Caribbean Technology Needs Assessment, Paramaribo, Suriname. October 23, 2019.
- **Campbell, D** (2019) Climate Change and Food Security in Jamaica : Key Risks and Response Options. Presented at Public Forum on “Climate Change and the Future of Food Security: Positioning Agro-food systems for our Health and Wealth” at Mona Visitor’s Lodge, The University of the West Indies, Kingston, Jamaica. October 17, 2019.
- **Campbell D** (2019) The role of evidence-based research in ensuring pro-poor and inclusive climate finance solutions. Presented at COP25 Side event on “Perspectives on implementing evidence-based climate finance”. December 11, 2019.
- **Campbell, D** (2019) Field Data Collection in Challenging Environments: Application of KoBoToolbox. Caribbean Development Bank Webinar Series. November 27, 2019.
- Wallace T, Spence A, **Campbell, D** & Barker, D (2020) Impact of Erosion on the

Nutrient and Chemical Profiles of Agricultural Soil in the Upper Rio Grande Valley, Jamaica. Goldschmidt Virtual Conference. June 21–26, 2020. <https://doi.org/10.46427/gold2020.2703>

- **Edwards, Thera** (2019) Deforestation in the Caribbean. Presented at the National Environment and Planning Agency (NEPA) Sharon O'Connor Documentation Centre Fourth annual CSEC Seminar. Jamaica Conference Centre, Kingston, Jamaica. October 3, 2019.
- **Edwards, Thera & Robinson E** (2019) Wither Withywood: Using traditional and new record sources in geointerpretative methods to reconstruct Carlisle Bay's biophysical history. Paper presented at the 1st Symposium on Archives and Records: Unlocking Caribbean Memory: Uncovering New Records, Discovering New Archives. Regional Headquarters Building, University of the West Indies, Kingston Jamaica. October 29, 2019.
- **Edwards, Taneisha & Simon Mitchell** (2019) Tectonic Influence, Spatio-Temporal Studies and Sedimentology of a Mangrove Fringe Near Falmouth, Jamaica, W. I. and Implications for Local Sea-Level Rise Models. Presented at the UNESCO's ICGP Project 639: "Sea Level Change from Minutes to Millennia" meeting in Xiamen, China.
- **Edwards, Thera** (2019) Research Guided Geospatial Solutions for Food Security presented at the 7th Annual GIS technical Seminar. Theme Geospatial Technologies: Enhancing Food Security and Climate Resilience. November 7, 2019.
- **Edwards Thera** (2020) Presentation on the Role and Work UWI Chaplaincy to Peer Support Providers trainees at Counselling Unit, UWI Health Centre. Request made by Mrs Sharon Williams –Brown, Counsellor to Canon garth Minott, Chairman of Chaplains Committee. January 16, 2019.
- **Mitchell, S** (2019) "The geology of Jamaica — the new story for the Cretaceous and Palaeogene" 9th November 2019, Geological Society of Jamaica, Department of Geography and Geology, UWI, Mona, Jamaica.
- **Mitchell, S** (2020). "The White Limestone of Jamaica" Invited Talk. Friday 24th July 2020, Mines and Geology Division, Hope Gardens, Kingston, Jamaica.
- **Kokesh, B. and Stemmann, T.** (2019). Dead men still tell tales: Molluscan death assemblages record a boom-bust invasion and a changing community in Kingston Harbour, Jamaica. Geological Society of America Annual Meeting Abstracts. Vol. 51, No. 5.
- **Stemmann, T** (2019). A free-living coral fauna from the Campanian of western Jamaica. 13th International Symposium on Fossil Cnidaria and Porifera, Modena, 3–6 September 2019, Abstracts p. 66.
- **Stemmann, T., and Robinson, N** (2019). A solitary coral and large benthic

foraminifera association from the Late Eocene of Jamaica. 13th International Symposium on Fossil Cnidaria and Porifera, Modena, 3–6 September 2019, Abstracts p. 67.

- **Tomlinson, J** (2020): Resilience Priorities at the Local Level. Climate, History, & Responsibility – Climate Justice in the Caribbean Forum. January 30, 2020, Regional Headquarters, University of the West Indies, Mona, Kingston 7, Jamaica.
- **Wilkinson, E & Campbell, D** (2019) Building back better – from theory to practice. Presented at the 11th Comprehensive Caribbean Disaster Management (CDM) Conference, Sint Maarten, December 2–6, 2019

PUBLIC SERVICE

Prof. Simon F. Mitchell

- Scientific Committee, International Congress on Rudist Bivalves.
- Scientific Committee, Caribbean Geological Conference.
- Editor, UWI Contributions to Geology.
- Language Editor, Carnets de Geology.
- Chairman, Jamaican Stratigraphic Committee.

Dr. Sherene James-Williamson

- Editor – *Caribbean Journal of Earth Science*
- Editor – Caribbean Museums
- Member – Science Advisory Committee of the Jamaican National Commission for UNESCO
- Member – ACP-EU Development Minerals Programme Country Working Group
- Member – Declarations Committee, Jamaica National Heritage Trust
- Assistant Chief Invigilator – Caribbean Examinations Council
- Honorary Treasurer, Jamaican Historical Society
- Immediate Past President, Museums Association of the Caribbean
- Archaeological Society of Jamaica (Board Rep. for Jamaican Historical Society)
- Council Member, Geological Society of Jamaica

Dr. Donovan Campbell

- Editorial Board Member, *Journal of Climate and Development*
- Board member, Land Information Council of Jamaica (LICJ)
- Board member, Caribbean Climate Innovation Centre (CCIC)

- Board member, Mona Social Services, The University of the West Indies
- Council member, Integrated Water Resources Management Council (IWRMC) - Ministry of Economic Growth & Job Creation
- Chairman, of the Education & Training Committee of the Land Information Council of Jamaica (LICJ)
- Member, Technical Working Group, the Integrating Water, Land and Ecosystems Management in Caribbean Small Island Developing States (IWEco Project)
- Professional Member, International Association for Society and Natural Resources (IASNR)
- Chair, Climate-Smart Grant Writing Initiative, The University of the West Indies
- Member, Steering Committee, Jamaica Disaster Vulnerability Reduction Project (JDVRP)
- Member, Task Force, Global Institute of Climate Smart and Resilient Development (GICSRD), The University of the West Indies
- Lead Author, Intergovernmental Panel on Climate Change (IPCC) for the Sixth Assessment Report (AR6)
- Professional Member, International Association of People-Environment Studies (IAPS)

Dr. Thera Edwards

- Geography Awareness Week Planning Committee
- Contributing Expert, World Justice Project (WJP) and the Inter-American Development Bank (IDB) Environmental Governance in Latin America study.
- Associate Evangelist, Diocese of Jamaica and The Cayman Islands (UWI Chapel)
- Chairman, Board of Directors – Caribbean Coastal Area Management Foundation

Mr. Kevin Tankoo

- AAPG Latin America & Caribbean Region Chapter undergraduate mentor and project advisor.

Dr. Mike Burn

- Editorial Board Member for the peer-reviewed journal Scientific Reports, for Springer Nature.

Dr. Arpita Mandal

- Member of the Technical Committee of Global Water Partnership Caribbean (GWP-C)

Dr. Taneisha Edwards

- President, Geological Society of Jamaica

Dr. Thomas Stemann

- Vice President, Geological Society of Jamaica

OUTREACH, VISIBILITY & LINKAGES

The Department led and contributed to several international, regional, and national events.

- *UN Climate Change Conference (COP25) – Madrid*: The Department of Geography & Geology partnered with the University of the South Pacific (USP) and the United Nations Pacific Financial Inclusion Programme (PFIP) on a side event at COP25 in Madrid, Spain on “Perspectives on implementing evidence-based climate finance”. Department member: Donovan Campbell.
- *Second Regional Capacity Building Workshop for the GEF-Funded Adaptation and Mitigation Technology Needs Assessment Project in the Caribbean – Paramaribo, Suriname*: The Department collaborated with the United Nations Environmental Programme and the Technical University of Denmark (DTU) to implement the Second Regional Capacity Building Workshop for the GEF-Funded Technology Needs Assessment Project in the Caribbean at the Queens Hotel, Paramaribo, Suriname. The Department is providing targeted technical and methodological support to assist 5 Caribbean countries (Antigua & Barbuda, Dominica, Jamaica, Suriname and Trinidad & Tobago) to conduct TNA projects in the TNA Phase III. Department member: Donovan Campbell.
- *Caribbean Conference on Comprehensive Disaster Management – Sint Maarten*: The Department of Geography & Geology collaborated with the Overseas Development Institute (ODI) and the UWI Seismic Research Centre to host a workshop at the 11th Caribbean Conference on Comprehensive Disaster Management (CDM) under the Caribbean Resilience and Recovery Knowledge Network (CRRKN). The event titled: ‘Learning from disaster recovery: a forensic analysis’ brought together different stakeholders involved in recovery efforts after the eruption of the Soufrière Hills Volcano, Montserrat, and Hurricane Maria’s devastation of Dominica. Department member: Donovan Campbell.
- *World Food Day Public Forum – Climate Change and the Future of Food Security: Positioning Agro-food systems for our Health and Wealth*: The Department collaborated with the Sir Arthur Lewis Institute for Social and Economic Studies (SALISES), the Climate Studies Group Mona (CSGM) and the Food and Agriculture Organization of the United Nations (FAO) to host a public forum on Climate Change and the Future of Food Security: Positioning Agro-Food Systems for our

Health and Wealth. The event is being held as a part of global World Food Day celebrations and will help to highlight the significance of World Food Day and bring attention to the extraordinary vulnerability of the food systems of small island states, such as Jamaica, to climate change in the Caribbean. Department member: Donovan Campbell.

- *Designing and Implementing a Data-Driven Information System for Covid-19 Social Response Programmes:* The Department of Geography & Geology delivered a webinar on Designing and Implementing a Data-Driven Information System for Covid-19 Social Response Programmes to participants from 11 Borrowing Member Countries (BMCs) of the Caribbean Development Bank (CDB). The webinar was attended by over 60 participants from the 11 BMCs. Department member: Donovan Campbell.
- *National Environment and Planning Agency (NEPA) Fourth annual CSEC Seminar:* The Department delivered the keynote lecture at the Fourth annual CSEC Seminar hosted by the National Environment and Planning Agency (NEPA). The event attracted over 300 students from 19 high schools from central and eastern Jamaica attending. Dr. Thera Edwards delivered a presentation on Deforestation.
- *United Nations Day of Activities:* Ms. Jhannel Tomlinson (Ph.D. Candidate in the Department) participated in United Nations Day activities. Jhannel is a Youth Climate Change Activist and a Youth Delegate at the recently held UN Climate Action Summit. Jhannel appeared on Smile Jamaica with Ms. Mariko Kagoshima, United Nations Resident Coordinator, and Agent Sasco to promote the day's activities. Later in the day, she received an award recognizing her work as a Climate Change Activist and champion of the Sustainable Development Goals.
- *GIS Training for B.Ed. Geography Teachers at Shortwood Teachers' College:* Mr. Rupert Green (Technical Assistant in the Department) conducted a one-day Introductory Geographical Information Systems (GIS) training exercise for faculty and students at Shortwood Teachers' College. It is anticipated that the training seminar will advance the readiness of geography teachers to understand the basics of GIS technology and open source software such as QGIS.
- *World Tsunami Awareness Day:* The Earthquake Unit partnered with the Office of Disaster Preparedness and Emergency Management (ODPEM) to host the first "Come mek wi talk: Tsunami Edition" on the UWI, Mona Campus. The Talk Shop will take the form of a three-hour live outside broadcast on News Talk 93 FM. The use of the broadcast was to increase the audience and educate the wider public awareness. The broadcast interview schedule shared similarities with the running order for the day in terms of possible speakers. World Tsunami Awareness Day 2019 will be observed under the theme "Build To Last".
- *Research tools and techniques webinar series:* The Department partnered with the

Caribbean Development Bank (CDB) to deliver a series of research capacity building webinars to Community Development Agencies, Community groups, CDRRF Grantees, Project management Teams, BNTF Offices, CDRRF Donors, CDB Staff across the region. The webinar focused on a suite of free and open-source tools for field data collection for use in challenging environments. The tools support the creation of forms and collection of interview responses. Department member: Donovan Campbell.

- *GIS Training – Climate Change Adaptation, and Risk Reduction Technology and Strategies (CARTS) – Westmoreland*: The Department of Geography & Geology partnered with The Westmoreland Municipal Corporation (WMC) to deliver GIS training to community residents age 17–35 years old. The objectives of the training include 1) providing residents from Russia, New Market Oval, and Llandilo Phase 1 with the opportunity to acquire skills in the use and application of Geographic Information Systems (GIS). Department members: Robert Kinlocke, Rupert Green, Kevel Daley and, Donovan Campbell.
- *Assessment and Economic Valuation of Coastal Protection Services Provided by Mangroves in Jamaica (PROFOR)*: Arpita Mandal, Rose-Ann Smith, Taneisha Edwards, Robert Kinlocke and, Simon Mitchell partnered with the Centre for Marine Sciences (CMS) to disseminate the results from the World Bank-funded project, “Assessment and Economic Valuation of Coastal Protection Services Provided by Mangroves in Jamaica (PROFOR)” to communities in Portland Cottage.

AGILITY

INCOME GENERATION

The Department raised US\$324,000 (~JA\$43,740,000) in project funding for the 2019–2020 academic year. The summaries of the main projects are presented below.

Project Title: **Caribbean Resilience and Recovery Knowledge Network**

Funder: The Global Challenges Research Fund (GCRF)/ Engineering and Physical Sciences Research Council (EPSRC)

Amount: US\$190,000 (~JA\$25,650,000)

Lead: Donovan Campbell

Description: The overall aim of the Caribbean Knowledge Network is to create a new culture for responding to and preparing for hazardous events; one that promotes sustainable and equitable recovery and resilient development pathways in Caribbean islands.

Project Title: Community Disaster Risk Reduction Fund Knowledge Management Products

Funder: Caribbean Development Bank

Amount: US\$72,000 (-JA\$9,720,000)

Lead: Donovan Campbell

Description: The Caribbean Development Bank (CDB) has engaged the Department of Geography & Geology to facilitate the preparation of knowledge management products for its Community Disaster Risk Reduction Fund (CDRRF) project.

Project Title: Socio-Economic Assessment of Communities in the Yallahs and Hope River Watershed Management Areas

Funder: Inter-American Development Bank (IDB) – NEPA

Amount: US\$45,000 (-JA\$6,075,000)

Lead: Donovan Campbell

Description: The Government of Jamaica (GOJ) with the support of the Inter-American Development Bank (IDB) is executing the “Integrated Management of the Yallahs and Hope River Watershed Management Areas” project. The project will be financed with resources from the Global Environment Facility (GEF) and the Government of Jamaica.

Project Title: Climate Change Adaptation, and Risk Reduction Technology and Strategies (CARTS)– GIS Training

Funder: Inter-American Development Bank (IDB) – NEPA

Amount: US\$17,000 (-JA\$2,295,000)

Lead: Donovan Campbell

Description: The Westmoreland Municipal Corporation (WMC) with support from the Caribbean Development Bank under the Community Disaster Risk Reduction Fund (CDRRF) is implementing the Climate Change Adaptation, and Risk Reduction Technology and Strategies to improve Community Resilience (CARTS) Project which aims to increase the resilience of communities in Savanna-la-Mar to the impacts of natural hazards and climate change.

PARTNERSHIPS

- *Memorandum of Understanding between the University of the West Indies, Mona and the University of North Carolina at Wilmington:* The University of the West Indies, Mona Campus through the Department of Geography and Geology and the University of North Carolina at Wilmington (UNCW), established an MOU to strengthen collaborative relations between the two institutions in order to promote friendship and to co-operate toward the internationalization of higher education in a mutually beneficial association in general, and therefore, to develop academic and cultural exchange in education, research, and other areas.
- *Letter of Cooperation the University of the South Pacific (USP) and the United Nations Pacific Financial Inclusion Programme (PFIP):* Department (UWI) established a cooperation agreement with the University of the South Pacific (USP) and the United Nations Pacific Financial Inclusion Programme (PFIP) focused on Climate Risk Insurance (CRI) and Adaptation in the Caribbean. The collaboration is to facilitate inter-regional, South-South learning, and research.
- *Partnership Agreement Adaptation Without Borders Initiative (AWBI):* The Department of Geography and Geology has joined the Adaptation Without Borders Initiative (AWBI) and participated in its Annual General Meeting. AWBI is a new international initiative, launched by ODI (United Kingdom), SEI (Sweden), and IDDRI (France) in 2019 to encourage cooperation across borders and nations. In particular, AWBI seeks to strengthen multilateral cooperation on adaptation and help to scale up global ambition for long-term climate risk reduction.



DEPARTMENT OF LIFE SCIENCES

Dr. Dwight Robinson, BSc UWI, PhD – Head of Department

WORK OF THE DEPARTMENT

Our Department made steady progress towards achieving the strategic objectives outlined in its 2017–2022 strategic plan. An effort was made to significantly improve our inreach and outreach activities to increase access to the Department by individuals, students and institutions. Efforts at increasing the quality of the experience in Life Sciences for our students continued with an appreciable level of success. The Department of Life Sciences Honours Society was established to honour students who demonstrated excellent academic performance. The inaugural inductees were Matthew Rogers, Shelby Kerr, Asha-Lee Cole, Rene-Jyne Sanganoo, Daynan Adamson, Shenae Lewis, Truddi Clarke, Aviesha Baksh, Laurel Moore, Jonathan Morris, Odane Brissett and Shane Robinson.

The process of adjusting some graduate and undergraduate programmes to better align them with the needs and focus of the nation and region was completed. New partnerships were formed with internal and external collaborators while several existing partnerships were maintained and strengthened. The Centre for Marine Sciences (CMS) with the Discovery Bay Marine Laboratory (DBML) and the Port Royal Marine Laboratory (PRML) continued to achieve their mission of engaging in research, training and outreach in Caribbean Marine Sciences.

ACCESS

During the reporting period, the Department participated in several activities aimed at increasing access to the Department.

Research and Consultancy Services: The Department entered into new partnerships to conduct research projects, while continuing work on existing and ongoing projects. These included:

- Queen Conch Abundance Surveys at Pedro Bank
- NEPA Winns Morass Mangrove Rehabilitation
- NEPA/DBML Water Quality Monitoring
- NEPA/IDB Ecological Assessment of the Yallahs and Hope River Watersheds
- Sandals Mangrove Mitigation
- Global Biodiversity Information Facility project – Capacity Building for Biodiversity Data Sharing through the Caribbean Coastal Data Centre, Jamaica
- FCF Critical Coastal forest rehabilitation
- KFTL Refuge Cay Clean-up and Mangrove Rehabilitation
- World Bank Program on Forests (PROFOR) Assessment and Economic Valuation of Coastal Protection Services Provided by Mangroves in Jamaica project
- The Ocean Foundation – Ocean Acidification
- GEF-SGP Discovery Bay Water Pollution Monitoring and Mitigation
- Implementation of Eco-System Adaptation Measures for Kingston Harbour Communities (KHEAM)
- Teleconnected Sargassum risks across the Atlantic: building capacity for Transformational Adaptation in the Caribbean and West Africa (SARTRAC)
- FAO-GEF Pesticides management project – The promotion of the use of alternatives to highly hazardous pesticides (HHPs) in Jamaica.

OUTREACH/IN-REACH ACTIVITIES

The Department remained very active in its efforts to contribute to the training of the next generation of Life Scientists by hosting approximately 2,400 students from the primary and secondary level of the Jamaican educational system at the PRML. The CMS-DBML hosted a total of 2,700 visitors; of which 185 were overseas students and researchers, 277 were from UWI (also students and researchers) and 2,238 from other local institutions. The Centre for Marine Sciences and the Port Royal Marine Laboratory contributed to improving the skills of fishers across the island by providing training for those involved in high risk fishing practices. This was done in partnership with the Chile-OAS Scholarships for CARICOM.

In its continued effort to encourage and facilitate the safe use of Jamaica's marine resources embers of the DBML trained 152 Pre-University Students as Emergency First Responders, Skin Divers and Boat Handlers, in partnership with Jamaica Social Investment Fund (JSIF). Eight individuals were trained as PADI Open Water Scuba Divers and nine patients were provided with Hyperbaric Treatment.

ALIGNMENT

A new master's level course, BIOL6421 "Coastal Habitat Restoration and Rehabilitation" was introduced as part of the MSc NRM-Marine and Terrestrial Ecosystems programme. The course, which was offered out of the Discovery Bay Marine Laboratory, was available to specially admitted students and overseas applicants. Changes to the pre-requisites for level two courses in life Sciences took effect at the start of the 2019/20 academic year. This formed part of a shift from administrative pre-requisites to academic pre-requisites.

Members of staff maintained their national, regional and international participation in scientific activities throughout the year. The various fora in which faculty members and students participated included the Agricultural Climate Change Evaluation for Production, Transformation and Resilience, 20th International Union for Quaternary Research (INQUA) Congress held in Dublin Ireland, the 60th Annual Meeting for the Society for Economic Botany held in Cincinnati, Ohio, the Oceanic Humanities for the Global South Workshop in Mozambique, the Association of Caribbean Higher Education Administrators Conference in Negril, Jamaica, the University of North Carolina Wilmington (UNCW) Global Marine Science Summit held in Wilmington, North Carolina, the Global Coral Reef Monitoring Network (GCRMN)-Caribbean Steering Committee, the Caribbean Biodiversity Fund (CBF) Ecosystem-based Adaptation (EbA) Workshop in Santo Domingo, Dominican Republic, the United Nations Convention on Climate Change (UNFCCC).

The Department assumed responsibility for the insectary associated with the Mosquito Control Research Unit (MCRU) which was established in partnership with USAID Zika Aird Project (ZAP). Discussions are ongoing with the Ministry of Health and Wellness to strengthen the MCRU and forge a partnership to generate the knowledge required to manage the vectors associated with vector transmitted diseases in Jamaica.

AGILITY

The Department continued to explore collaborative efforts with international partners to partner in research and training. Discussions were held with the Quave Research Group – Medical Ethnobotany & Anti-Infective Drug at Emory University, Atlanta, Georgia; the Queen's University in Kingston, Ontario and the Queen's University Biological Station; Albany State University, Albany, Georgia; the National Oceanography Centre in the United Kingdom; and Bat Conservation International, Austin, Texas.

Memoranda of Understanding have been agreed to between several organizations. These include:

- The National Environment and Planning Agency (NEPA).
- Sargassum Research group to carry out the “FST Exploratory and Pre-Feasibility Studies on the Products and Potential Products from Sargassum sp.”
- Determination of the Breeding Season for Queen Conch (value of project – US\$3,500).
- Rehabilitation of the Winns Morass ‘Parcel A’ Mangroves in Trelawny (value of project – JMD \$3,400,000).
- Ecological assessment of the Hope and Yallahs River Watersheds (value of project – JMD \$20,410,854.09).
- The Ocean Foundation for the Enhancing Capacity for Ocean Acidification Monitoring and Mitigation for Pacific Islands, Latin America and the Caribbean (USD\$7,500).

PUBLICATIONS

Books, Book chapters & Monographs

- Mandal, A., Smith R-A., Edwards, T., Kinlocke, R., Mitchell, S., Webber M., Trench, C., Francis P., Spence, A. and Edwards, P. 2019. *Forces of Nature: Assessment of the Economic Valuation of Coastal Protection Services Provided by Mangroves in Jamaica*. Edited by The World Bank – World Bank Caribbean Office. 183 pp.
- Benkeblia, N. (2020). *Vitamins and Minerals Biofortification of Horticultural Crops*. Wiley & Sons Publisher, Chichester 256 p.
- Benkeblia, N. (2020). Biofortification of Edible Plants: Set the Stage for Better Nutrition. In: *Vitamins and Minerals Biofortification of Horticultural Crops*. N. Benkeblia (Ed.). Wiley & Sons Publisher, Chichester, pp. 1–26.
- Benkeblia, N. and Hefferon, K. L. (2020). Modern biotechnologies and mineral biofortification of edible crops. In: *Vitamins and Minerals Biofortification of Horticultural Crops*. N. Benkeblia (Ed.). Wiley & Sons Publisher, Chichester, pp. 45–69.
- Benkeblia, N. and Hefferon, K. L. (2020). Modern biotechnologies and vitamins biofortification of edible crops. In: *Vitamins and Minerals Biofortification of Horticultural Crops*. N. Benkeblia (Ed.). Wiley & Sons Publisher, Chichester, pp. 71–86.
- Benkeblia, N., Pinto E. M. and Vasconcelos, M. (2020). Carotenoids bio fortification of sweet potato. In: *Vitamins and Minerals Biofortification of Horticultural Crops*. N. Benkeblia (Ed.). Wiley & Sons Publisher, Chichester pp. 87–102.

Technical Report/Scientific Reports/White Papers

- **Thomas L, Tennant P** (2019) First report of leaf spot on *Cucurbita pepo* caused by *Fusarium incarnatum-equiseti* species complex in Jamaica. *New Disease Reports* 40: 6.
- **Machel Emanuel** (2019). Jamaican standard code of practice for processing and handling of Cannabis products for medical, scientific and therapeutic use. Licensed by Bureau of Standards Jamaica to Machel Emanuel. 43 pp.
- **Machel Emanuel** (2019). Jamaican standard code of practice for cultivation of cannabis for medical, scientific and therapeutic use. Licensed by Bureau of Standards Jamaica to Machel Emanuel. 31 pp.
- **Machel Emanuel** (2019). Jamaican standard guide for the packaging and labelling of consumer resin medical cannabis products. Licensed by Bureau of Standards Jamaica to Machel Emanuel. 19 pp.

Papers Presented at Conferences

- Burn, M.J., Campbell, D., **Palmer, S.E.**, Maezumi, S.Y., Buddo, D. (2019) The Caribbean Environments Research Group (CERG). UNCW Global Marine Science Summit, University of North Carolina Wilmington, Centre for Marine Science. Oct 9–11 2019 (poster).
- Burn, M.J. and **Palmer, S.E.** (2019): Harmonizing marine and terrestrial palaeoclimate archives to reconstruct hurricane activity in the Caribbean. 20th INQUA Congress, Dublin, Ireland. August 2019.
- Burton, Saskia D., **Jane E. Cohen**, and **Fradian V. N. Murray**. 2019. Shoot morphological characteristics of six Colombian varieties of cassava (*Manihot esculenta* Crantz) grown in Jamaica. 55th Annual Meeting Caribbean Food Crops Society, July 8–12, 2019, Dominican Republic.
- Dale Rankine, **Jane Cohen**, Michael Taylor, Tannecia Stephenson, and Andre Coy. 2019. Towards a Methodology for Modeling Climate Impacts on Caribbean Agriculture – the Case of Jamaica. 55th Annual Meeting Caribbean Food Crops Society, July 8–12, 2019, Dominican Republic.
- **Ford, Marcia, Mona Webber, Gina-Marie Maddix** and **Patrice Francis**. 2019. Influencing Policy Development through research: examples from The UWI Faculty of Science & Technology. Poster presented at the 4th Biennial Jamaica Statistical Society Symposium (poster).
- **Palmer, S.E.** and Burn, M.J. (2019): A multi proxy analysis of extreme wave deposits in a tropical coastal lagoon in Jamaica, West Indies. 20th INQUA Congress, Dublin, Ireland. August 2019.

- Palmer, S.E. (2019) Environmental Change Research at the UWI's Port Royal Marine Laboratory, Jamaica. UNCW Global Marine Science Summit, University of North Carolina Wilmington, Centre for Marine Science. October 9–11 2019 (invited talk).

Refereed Journal Articles

- **Alex Sybron; Dilip K.Rai; Kisan R.Vaidya; Mohammad B.Hossain and Nouredine Benkeblia** 2019. Effects of ripening stage on the content and antioxidant capacities of phenolic compounds of arils, seeds and husks of ackee fruit *Blighia sapida* Köenig. *Scientia Horticulturae* Volume 256, 108632.
- **Benkeblia, N.** 2020. Potato Glycoalkaloids: occurrence, biological activities and extraction for biovalorisation – a review. *International Journal of Food Science and Technology*, 55, 2305–2313.
- **Cohen, JE, HE Williams, YE Strong and HCE Fisher.** 2020. Non-Detriment Findings for international trade in wild orchids from developing countries; a case study for *Broughtonia sanguinea* in Jamaica. *Journal for Nature Conservation* Article Number: 125840, First published version available online: 7-MAY-2020 DOI information: 10.1016/j.jnc.2020.125840.
- **Machel A. Emanuel, Valrick V. Henry and Dwight E. Robinson** 2020. Vegetative growth of *Cannabis sativa* L. cultivars in Jamaica using 18/6 photoperiod. *International Journal of Plant Science and Horticulture* 2: 56–64. DOI: <https://doi.org/10.36811/ijpsh.2020.110024>

PUBLIC SERVICE

Professor Nouredine Benkeblia

- Associate Editor, *Canadian Journal of Plant Science*
- Member of the Canadian Society of Plant Science
- Member of the Canadian Society of Agronomy
- Member of the Crop Science Society of America
- Member, Agricultural Science, University Council of Jamaica (UCJ).
- Member of the International Union of Conservation of Nature, (IUCN). Commission on Ecosystem Management.
- Editor/Reviewer of the International Panel on Climate Change (IPCC)
- Assessor of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES).
- Member of the Regional Scientific Experts Commission for the Caribbean, Francophone University Agency (AUF).

- Justice of the Peace, St Andrew, Jamaica

Dr. Frederick Boyd

- Liaison for Department of Life Sciences/Nature Preservation Foundation partnership
- Member, Board of Education, East Jamaica Conference of SDA
- Member, Research & Development and Seed Production Subcommittee, National Organic Agriculture Steering Committee (NOASC)
- External Examiner, Joint Board of Teacher Education (JBTE)
- Member, Standards Subcommittee, Jamaica Organic Agricultural Association (JOAM)
- Member, Accreditation Panel (Biological Sciences), University Council of Jamaica
- Member, American Society of Plant Biologists

Dr. Jane Cohen

- Member and Vice-chair, CITES Scientific Authority of Jamaica
- Member, Jamaica Organic Agriculture Movement
- Member, Jamaican Society for Agricultural Sciences
- Member, Natural History Society of Jamaica
- Member, Plant Conservation Group, National Environment and Planning Agency (NEPA)
- Member, Plantwise National Steering Committee, CABI & Ministry of Industry, Commerce, Agriculture & Fisheries, Jamaica
- Member, Soil Health Technical Working Group, Ministry of Industry, Commerce, Agriculture & Fisheries

Dr. Machel Emanuel

- Member of the International Society for Horticultural Sciences
- Member of the American Society for Horticultural Sciences
- Member of International Technical Committee for development of standards for cannabis in Jamaica
- Vice-Chair of the Bureau of Standards Jamaica's Cannabis National Technical Committee.

Mrs. Marcia Ford

- Chairperson, National Biodiversity Clearing House Mechanism Steering Committee
- Member, The Jamaica Statistical Society
- Member, Global Coral Reef Monitoring Network – Caribbean Steering Committee

- Member, International Society for Reef Studies
- Member, Technical Advisory Committee for Component 3 of the Pilot Program for Climate Resilience
- Reviewer, *The International Journal of Tropical Biology and Conservation* (Revista de Biología Tropical).
- Member, Steering Group of “CoastPredict” (www.coastspredict.org).

Dr. Eric Garraway

- Advisor, Vincentian Students Association
- Member, Advisory Board, National History Division, Institute of Jamaica
- Member, Association of Tropical Lepidoptera
- Member, Natural History Society of Jamaica
- Member, Jamaican Iguana Working Group, NEPA

Dr. Tannice Hall

- Member, Natural History Society of Jamaica

Dr. Eric Hyslop

- Jamaica Clearing-House Mechanism Steering Committee, Institute of Jamaica
- Member, CSEC Subject panel in Biology
- Member, NEPA Endangered Animals Recovery working group
- Member, Jamaican Iguana Working Group, NEPA

Dr. Kurt McLaren

- Member, National Invasive Species Working Group, NEPA

Dr. Suzanne Palmer

- Member, Association of Marine Laboratories of the Caribbean (AMLC)
- Member, International Society for Reef Studies (ISRS)
- Board Member, Association of Marine Laboratories in the Caribbean

Dr. Dwight Robinson

- Director, Caribbean Academy of Sciences, Jamaica Chapter
- Director, College of Agriculture Science and Education
- Deputy Chair, Protection of Plant Genetic Resources for Food and Agriculture Management Authority
- Chair, Pesticides Control Authority Pesticides Review Committee
- External Assessor for the Registration of Pesticides by the Pesticides Control Authority

- UWI Mona representative on the Ministry of Agriculture and Fisheries National Disaster Risk Management Committee.

Professor Ralph Robinson

- Board of Directors, Jamaica Agricultural Development Foundation
- Scientific Member, The National Bioethics Committee of Jamaica
- Member, Bioethics Society of the English-Speaking Caribbean
- Member, Standards Advisory Committee, The University Council of Jamaica.
- Justice of the Peace, St. Andrew, Jamaica
- Member, Justices of the Peace and Lay-Magistrates' Association of St Andrew, Jamaica
- Member, American Society of Parasitologists
- Member, Training Advisory Committee for UWI/The University at Buffalo's D43 application (Global Infectious Diseases Research Training Program) to the Fogarty International Center, National Institutes of Health, USA
- Volunteer Expert on the Clinical Research Support Team for the Jamaica Emerging Infectious Diseases Research Center at the University at Buffalo

Dr. Philip Rose

- Member, National Invasive Species Working Group, NEPA
- Member, American Society of Plant Taxonomists (ASPT)
- Member, Jamaica Institute of Environmental Professionals (JIEP)
- Member of the Scientific Authority (NEPA/MEGJC)

Dr. Kimberly Stephenson

- Member, Jamaican Iguana Recovery Group
- Member, Ja REEACH II Project Advisory Committee

Professor Paula Tennant

- Member, American Phytopathological Society
- Member, Caribbean Academy of Sciences, Jamaica Chapter
- Member, Jamaica Society of Scientists and Technologists

Mr. Camilo Trench

- Coordinator/Member, Alloa Fisherman's Cooperative: Discovery Bay Special Fisheries Conservation Area Steering Committee
- Member, National Fish Sanctuaries Network
- Member, UWI's representative, National Marine Parks Advisory Board

- Board Member, Association of the Marine Labs of the Caribbean (AMLC) institutional rep for the UWI CMS/DBML
- Member, Project Steering Committee for IWeco National Sub-Project 1.4 (UWI's representative) "Biodiversity Mainstreaming in Coastal Landscapes within the Negril Environmental Protection Area of Jamaica"
- Member, Technical Advisory Committee for IWeco National Sub-Project 1.4 Component 2 (UWI's representative) improvement of water, land, ecosystems and biodiversity resources of the Negril Morass, taking into account climate change, sensitive ecosystems and Ecosystem services President, Ferncourt High School Alumni Association

Professor Mona Webber

- Member, National Council on Ocean and Coastal Zone Management (NCOCZM)
- Chair, Diving Sub-Group, NCOCZM
- Member of the Board, Association of Marine Laboratories of the Caribbean
- Member, CITES (NEPA-Scientific Authority)
- Member, NEPA Technical Review Committee (TRC)
- Member, Jamaica Conservation Partners (C.B. Facey Foundation)
- Member, United Nations Informal advisory group for ecologically or biologically significant marine areas (IAG-EBSA)
- Member, Science and Technology Advisory Committee of the Jamaica National Commission for UNESCO
- Member, National Fisheries Advisory Council
- Member, Scientific and Technical Sub-Commission of the Caribbean Sea Commission (CSC)
- Member, Natural Resource Conservation Authority (NRCA) Board
- Member, UWI-SDG 14 Team (Life below water)



DEPARTMENT OF MATHEMATICS

Dr. Nagarani Ponakala, M.Sc, M.Phil & Ph.D (India) – Head of Department

OVERVIEW

For the 2019/20 academic year, the Department underwent a number of changes to many of its processes to satisfy the objectives of the department that were set out in our 2018–2022 Strategic Plan. We started the new school year with restructuring the administrative support. During this year Ms. Tashika Roach was appointed to the post of Administrative Assistant I effective February 1, 2020 and Ms. Kathlene Gardner to the post of Clerical Assistant II effective June 1, 2020 from their previous temporary positions. This shift slowed down our administrative output a bit, as staff took time to adapt to their new portfolios, however we managed to structure the support to assist various administrative responsibilities within the department for a smooth process. The Department was also able to have two new full-time academics onboard effective August 1, 2019, Dr. Tamika Royal-Thomas, joined as a Senior Lecturer and Ms. Britta Hay, who joined as a Lecturer.

We observed that the academic year 2019–20, moved quite smoothly and was very productive, for the most part, however since March, due to the COVID-19 breakout in the island, the normal operations of the department was slowed down significantly, while we transformed our face-to-face teaching to online mode. This transformation was challenging, however due to the tremendous support from both our academic and administrative teams, the transition was seamless. Despite these challenges, the department was able to continue its activities. We are happy to report that this year we increased our research output, through generosity new actuarial science scholarships (The Norbert Fullerton Actuarial Scholarship) were established for our students and due to committed sponsors we were able to sustain our key outreach activity - Jamaica Mathematics Olympiad programme.

DEPARTMENT ACTIVITIES AND OUTREACH

Our first Industry Advisory Board (IAB) meeting for this academic year was held on

October 18, 2019, chaired by Mr. St. Elmo Whyte at Grace Kennedy, Downtown, Kingston. This is one of our Strategic Objectives to improve the relations between the Department and Industries. It was well supported by the Faculty and participating Industries such as Grace Kennedy, DMA Associates, Concord Advice, Krys Global, Sagicor Life, CAA and Scotia bank. Our sincere gratitude to our host industry – Grace Kennedy and participating staff and industry members. The scheduled meeting for Semester II was postponed due to the COVID pandemic.

Each year in November, the Department host its **Career Fair**. This year on the 22nd it was held in the Assembly Hall. Despite consistent follow up, only 6 companies were able to participate: KRYG Global; Sagicor Life; Bank of Nova Scotia; Digicel; Symptai Consulting and the Planning Institute of Jamaica. In anticipation of Career Fair, the department held two seminars aimed at preparing students for the interview processes of the Fair. This was done as part of the Department's Strategic Objectives to develop our students' soft skills. Our presenters were Mrs Sharon Wheatle-Redwood who spoke on "Interview and Dress for Success", and Dr. Ann-Marie Williams, who spoke on "Making the Cut".

This year the Department saw an increase in the number of registered students to the **Mathematics Bridging Programme** due to intense marketing conducted by the Coordinator of the programme Mr. Ajani Ausaru. This programme continues its mandate to prepare University accepted students to the rigors of mathematics by reinforcing their mathematical skills. He was assisted by tutors who worked with students in groups of no more than 6 students.

The Department participated in various **outreach initiatives** during the period August 2019 to March 2020. One such initiative was to conduct a series of CAPE Workshops both at the Mona and Western Jamaica Campuses. Various schools visits were also conducted throughout the island in conjunction with the Faculty during that period as well, where counselling was offered to the mainly sixth formers about options available in the Department and the Faculty on a whole. During December and January Dr. McDaniel with a group of final year students visited the Eltham Park High school where various CSEC Mathematics intervention workshops were conducted.

Our **Jamaican Mathematical Olympiad 2020 Competition** qualifying rounds commenced in November 2019 for both competitions with the Senior (High School level) competition starting on the 12th and the Junior (Primary Level) competition starting on the 19th. We successfully organised the Qualifying, First, and Semifinal Rounds of the Senior Olympiad, and the Qualifying and First Rounds of the Junior Olympiad. We were compelled to cancel all remaining rounds because of the COVID-19 pandemic, however, a decision was taken to issue certificates to all participants by the Committee. Also a team was selected to participate in the Regional International Competition to be held virtually in October, 2020. This year **New Fortress Energy**

came on board as a title sponsor for both the senior and junior competitions with other key sponsors such as First Caribbean Intl Bank, Caribbean Actuarial Society, and KRYS Global. We express our sincere gratitude to all.

Additionally, we were on the way to host our **first International Mathematical Conference in December 2020**, however our plans were disrupted due to COVID - 19 pandemic.

The series of these activities above was part of our initiative pinpointed to serve as the emphasis for our activities. These activities were aligned to three pillars – **Access, Alignment and Agility** based on University's main Triple 'A' Strategy. We observed that a significant progress has been noted regarding goal establishment from which improvements were seen 'increasing our students' intake, 'improvement in the pass rate of students', 'increasing staff complement and hence the research output', 'improve relationship with industries' and 'increase in outreach activities. In the sections to follow, we will align our other activities utilizing the three pillars indicated.

ACCESS

STUDENT MATTERS

Undergraduate Students:

In an effort to improve our quality of teaching and learning, for some of our specialized courses that were streamed, the Department was able to utilize one lecturer for their delivery to ensure consistencies in teaching. We also utilized the service of tutors to be markers of problem papers of tutorials conducted by them with a hope to give both the tutors as well as the students more insight of deficiencies seen in solving questions. Both strategies were very successful. In order to increase our students' intake, the department also reached out to all level 1 students to promote all programmes and share career opportunities.

The department started the revision of two existing programmes – BSc Mathematics & Modelling Processes and the BSc Statistical Science – to meet the needs of the society. A request was also made by the faculty to revise (soften) the pre-requisite for an existing Level 1 course – STAT1001 to afford more students the opportunity to gain in-faculty credits, however based on the current disposition brought on by COVID-19, these processing was halted, as the University embarked to deal with the pandemic without adversely disrupting teaching and learning.

This academic year many of our students received awards and recognition from both the internal and external sources as follows:

Department awards:

- BERNARD, Akilah – Merville Campbell Prize (Level I)
- MORGAN, Danielle – Merville Campbell Prize (Level I)
- NAREDDI, Saisankeerth – Department of Mathematics Prize (Level I)
- BASS, Xavier-Jon – Merville Campbell Prize (Level II)
- HARRIS, Aston – Henry-Aub Prize (Level II)

External sources

The Mathematics Department was pleased to have introduced the JN Life Insurance Company Limited (JN Life) Actuarial Scholarship and Bursaries valued at a total of J\$500,000. The recipients were as follows:

Name	Category	Value of award(\$J)
Andrea Bailey	Scholarship	250,000
Delano Francis	Bursary	125,000
Shanice Sutherland	Bursary 1	25,000

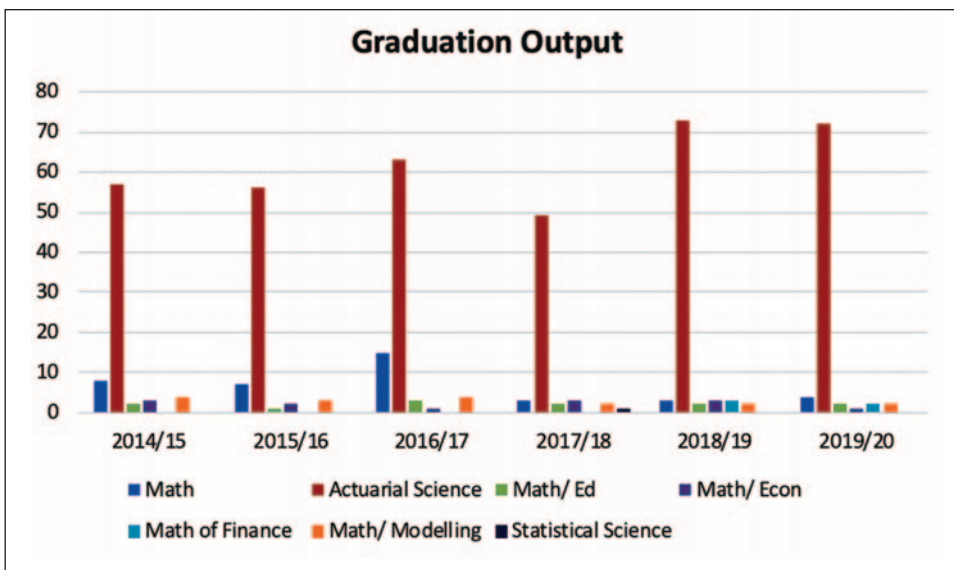
A new scholarship will be made available for the upcoming academic year entitled “The Norbert Fullerton Actuarial Scholarship” that was established by the kindness of one of our Mathematics Alumni – Mr. Norbert Fullerton who is presently the Head of Institutional Client Strategy, Europe, Middle East & Africa (EMEA) for Janus Henderson Investments, London.

As part of our strategic objective the Department saw the need to include a retention component that would focus on optimizing the number of students being promoted successfully throughout the three year programme offered by the Department. This justification was given from the data seen below. We projected an increase in numbers over the next 2 years.

For the past five years, a total of 384 undergraduate students graduated from the department. This is broken down as follows:

2015	2016	2017	2018	2019
69	86	60	86	83

During the 2019/20 academic year a total of 10 students received First Class Honours.



Source: UWI Banner, downloaded September 2020

In addition to a one-on-one student experience to increase our pass rate a decision was taken to improve their soft skills to prepare them to transit better in the work world after graduation. One such initiative was through our Career Fair.

GRADUATE STUDENTS

The Department offers the following 3 graduate programmes:

- MSc Mathematics
- MSc Enterprise Risk Management (offered jointly with Mona School of Business and Management (MSBM))
- MPhil/PhD in Mathematics

In November 2019, Mr. Konor Peters graduated from the MSc Mathematics programme with distinction. As the MSc Mathematics programme is offered alternate years, this year saw the continuation of the cohort who commenced the programme in Semester 2 of the 2018/19 academic year. From this cohort of 5 students, 4 were successful in satisfying the requirements for the award of their degree and will be expected to graduate in the November's graduation exercise and among these four, two students were recommended for distinction based on academic performance.

For the MSc in Enterprise Risk Management (ERM), 13 students graduated from Cohort 6 in November 2019. A total of 10 students from Cohort 7 matriculated to year 2 at the beginning of academic year of which 7 would be eligible to graduate at

the upcoming graduation exercise. For Cohort 8, 7 students will move on successfully to year 2.

The Department has on its books 3 MPhil and 1 PhD registered students. Two students were awarded their MPhil degrees during the 2019/20 academic year while Mr. Ausaru successfully upgraded from MPhil to PhD as well.

Graduate Awards (Internal sources)

The Department of Mathematics awarded Ms. Roxanne Francis the MSc Mathematics Bursary for the 2019/20 academic year. The value of the award was J\$240,298.00

JOURNAL PUBLICATIONS

- Elena Braverman, **Alexandra Rodkina**, Global stabilization and destabilization by the state dependent noise with particular distributions, *Physica D: Nonlinear Phenomena*, Volume 403, (2020).
- Elena Braverman, Josef Diblík, **Alexandra Rodkina**, Zdeněk Šmarda, Stabilization of cycles for difference equations with a noisy PF control, *Automatica*, Volume 115, 108862, (2020).
- J. Diblík, **A. Rodkina**, Z. Šmarda, On local stability of stochastic delay nonlinear discrete systems with state-dependent noise, *Applied Mathematics and Computation*, Volume 374, (2020)
- **Behera Diptiranjan**, Chakraverty S., Solving the nondeterministic static governing equations of structures subject to various forces under fuzzy and interval uncertainty, *International Journal of Approximate Reasoning*, Vol. 116, 43–61 (2020).
- Tapaswini Smita, **Diptiranjan Behera**, Analysis of imprecisely defined fuzzy space-fractional telegraph equations, *Pramana-Journal of Physics*, Vol. 94 (32) (2020).
- **Diptiranjan Behera**, K. Peters, S. A. Edalatpanah and D. Qiu, New methods for solving imprecisely defined linear programming problem under trapezoidal fuzzy uncertainty, *Journal of Information and optimization Sciences*, 2020: doi: 10.1080/02522667.2020.1758369
- Sebastian, B.T., **Nagarani, P.** On convection-diffusion in non-Newtonian fluid flow in an annulus with wall oscillations. *Eur. Phys. J. Spec. Top.* 228, 2729–2752 (2019).
- Siddheshwar, P.G., **Narayana, M.** & Bhatt, B. A New Series Solution Applicable to a Class of Boundary Layer Equations with Exponential Decay in Solution. *Int. J. Appl. Comput. Math* 6, 118 (2020).

ALIGNMENT

As part of our efforts to improve the quality, quantity and impact of research, the Department encouraged research visits and conference participations for academics as seen below. We hope that these exposures would bring about various overseas collaboration for colleagues.

INVITED TALKS /KEYNOTE LECTURES

- **Alexandria Rodkina**, “Stability shaped by noise in difference equations” 2nd International Conference on Applied and Engineering Mathematics (ICAEM’19) held at HITEC University Museum Road Taxila, Pakistan from August 27–29, 2019. Keynote talk.
- **Mahesha Narayana** “Homotopy methods for boundary layer problems” at the International Symposium on Recent Trends in Mathematical Sciences (ISRTMS-2019) during July 15–16, 2019 organized by Department of Mathematics, School of Advanced Sciences, VIT, Vellore, India in association with Malaysia-Italy Centre of Excellence for Mathematical Science, Universiti Putra Malaysia, Serdang, Malaysia. Invited Talk.
- **Mahesha Narayana** “On the new series solution applicable to a class of boundary layer equations with exponential decay in solution” International Conference on Recent Advances in Algebra, Analysis and Applications (ICRAAAA-2019) Department of Mathematics and Statistics, University College of Science, Mohanlal Sukhadia University, Udaipur, India. December 20–22, 2019. Invited Talk.
- **Mahesha Narayana** – ‘Methods for Nonlinear Dynamical Systems & Chaos’ organized by Department of Mathematics, National Institute of Technology, Uttarakhand, Satellite Campus, Malaviya, National Institute of Technology, Jaipur, India. December 23–27, 2019. Invited Talk.
- **Mahesha Narayana** – “Application of pseudo-spectral method based linearization, Emerging Trends in Fluid Mechanics and its Application” Christ University Bengaluru, India, technique to free and forced convective flows through porous media” 28th February 2020.
- **Mahesha Narayana** – “Differential transform method for the boundary eigenvalue problem arising from Darcy-Brinkman convection” International Conference on Mathematics and its Applications (ICMA2020) Bangalore University, Jnana Bharathi Campus, Bengaluru, India, 29th February 2020. Invited Talk.

CONFERENCE PRESENTATIONS

- **Ajani Ausaru**, “The pulsatile Casson flow of a solute in a straight circular tube with boundary absorption under the influence of external body acceleration” International Conference on Emerging Trends in Engineering & Technology (IconETech-2020), Faculty of Engineering, The UWI, St. Augustine, June 1–5, 2020.
- **Andre Small**, “Peristaltic Transport of an Ellis Fluid in an Inclined Asymmetric Channel”, V AMMCS (Applied Mathematics, Modelling and computation science) international conference, Wilfrid Laurier University Waterloo, Ontario, Canada, August 18–23, 2019.
- **Mahesha Narayana**, “Applications of Partial Differential Equations in Engineering” Department of Mathematics, R V College of Engineering, Bengaluru, India, January 16, 2020.

DEPARTMENT SEMINARS

- **Tamika Royal-Thomas** presented on “The Application of Longitudinal Processes in Predicting Cardiovascular Health” on October 11, 2019 in the Mathematics Department, UWI, Mona.
- **Mahesha Narayana** - “A New Series Solution Applicable to a Class of Boundary Layer Equations with Exponential Decay in Solution” held on Friday, October 25, 2019 in The Mathematics Department, UWI, Mona.
- **Ajani Ausaru** “A study on Casson fluids with emphasis on physiological fluid flows” January 23, 2020 at the Studio One, UWI Open Campus. *MPhil Upgrade Seminar*

CONFERENCE PARTICIPATION

- **Kirk Morgan** attended a workshop “Holomorphic Differentials in Mathematics and Physics” at Mathematical Sciences Research Institute, August 19–August 24, 2019 Berkeley, California. It was an introductory workshop.
- **Diptiranjana Behera** attended a webinar on “Number Theory and its Related Topics” from July 06–15, 2020 organized by Department of Mathematics, Sambalpur University, Odisha, India.
- **Diptiranjana Behera** attended a webinar on “Foundation of ODE with a Case Study” on July 24, 2020 organized by Department of Mathematics and IQAC, City College, West Bengal, India.
- **Diptiranjana Behera** attended a webinar on “Numerical and Scientific Computing” on July 28, 2020 organized by Department of Mathematics and Statistics, School of Basic Sciences, Manipal University, Jaipur, India.

- **Diptiranjana Behera** attended a webinar on “Mathematics as a Weapon to Tackle Real Life Problems” on July 27, 2020 organized by Department of Mathematics, Krishnagar Government College, West Bengal, India.

PUBLIC SERVICE

For the 2019/20 academic year. Members of Department provided by the following public services to impact the society as follows:

Alexandra Rodkina

- Elected to be a member of the boards of directors of International Society of Difference Equations.

Diptiranjana Behera

- Joined as an editorial board member of *Applications and Applied Mathematics: An International Journal* (AAM) (Indexed: ESCI).

Nagarani Ponakala

- Appointed as Treasurer, Caribbean Academy of Sciences Jamaica Chapter.
- Joined as a member of editorial board for the *Journal International Journal of Mathematics and Soft Computing*.
- Reviewed several articles for several Journals include: *Fluid Dynamics Research*; *International Journal of Applied and Computational Methods*; *International Journal of Computer Mathematics*; *International Journal of Heat and Mass Transfer*; *Asia-Pacific Journal of Chemical Engineering*

Sam McDaniel

- Served on the ICENS Board of Directors.
- Serves as CXC Assistant Chief Examiner.

AGILITY

INCOME GENERATION

Despite the pandemic, the Department agreed to offer Summer School this year to assist with our students’ transition. Twenty one courses ranging from preliminary to final year courses were offered by the Department from which over J\$7 million was earned. The students expressed their sincere thanks to the Department for the assistance given to their transition.

The Department has on its books a self-financed programme – MSc Enterprise Risk

Management which is administered jointly with MSBM. We anticipate a profit for the current academic year, however a delay was seen in the receipt of the statement for the 2019/20 academic year, brought on by the pandemic. We anticipate a figure report for the next academic year.



DEPARTMENT OF PHYSICS

Dr. Tannecia Stephenson, BSc, PhD UWI, – Head of Department

OVERVIEW

The Department of Physics set a number of strategic goals for 2019–2020 that enabled the publication of 24 peer reviewed articles/book chapters; research grants of approximately US\$296,554.67, commencement of specialized testing services through the Medical Physics Radioecology Laboratory and increased engagement with Alumni and potential students.

ACCESS

STUDENTS

Online Teaching: The Department of Physics, as with the other departments at The University of the West Indies, migrated all Semester 2 course content to online platforms for completion of the semester during the COVID-19 pandemic. Requisite approvals for changes to assessments were obtained from the Board for Undergraduate Studies.

Total Undergraduate Student Registration

Academic Year	Semester 1		Semester 2	
	2019–2020	2018–2019	2019–2020	2018–2019
Preliminary	69	84	57	79
Introductory Physics	60	132	70	91
Year 2	151	177	54	183
Year 3	60	61	112	86
Totals	340	454	293	439

Undergraduate Training and Internships: Mr. Matthew Williams, final year Energy and Environmental student participated in the Caribbean Catastrophe Risk Insurance Facility (CCRIF) internship programme. Mr. Williams was placed at the Meteorological Service in Trinidad and Tobago from August 19 to October 18, 2019. Mr. Nakeem McNally interned at the Bureau of Standards Jamaica (BSJ) in the Electrical and Electronics Branch, Metrology and Testing Division as part of PHYS3400 (Physics in Practice Internship). His work involved the testing of equipment and the preparation of reports. Miss Mellisa Walker participated in the Sophia Short Study programme held at Sophia University, Japan January 6–30, 2020. Representatives from the St. Augustine and Cave Hill campuses also participated.

Graduate Internship: Mr. Dawin Morna visited the Columbia University, New York on a 2 month exchange under a Columbia University - UWI Collaboration Agreement. Mr. Morna pursued research on 2-D Materials in the Mechanical Engineering Department, under the supervision of Dr. Wayne Archibald (UWI Mona, Engineering), Dr. Tanya Kerr (UWI Mona, Physics) and Columbia staff members. Ms. Rosanna Beharry, Master of Science student in Biomedical Physics at The UWI St. Augustine Campus, visited the Mona Campus November 4–15, 2019 to conduct analyses within the Radioecology Lab. Her research project examined radioactive and trace elements concentrations in soil and fertilizer.

Mrs. Sukarni Mitro, an MPhil candidate in Applied Physics, commenced her research with a study visit to the Department for January 23–March 29, 2020. Mrs. Mitro is an OAS Scholarship recipient and is exploring droughts in Suriname. Mr. Shane Smith, a postgraduate student, is a member of a team developing face shields and respirators in response to the COVID-19 pandemic. The initiative is in partnership with the Ministry of Health and Wellness and Mona-Tech Engineering Services Ltd. Some other team members are alumni and staff of the Department of Physics and the Faculty of Engineering.

Award of Degrees: The ceremony for the presentation of graduates for the Faculty of Science and Technology was held on Friday November 1, 2019. Approximately 36 students completed the requirements for majors/minors. Five students graduated with First Class Honours. There were also 5 graduates for the Master of Science in Medical Physics.

Undergraduate Student/Recognition Awards: The Department of Physics hosted 3 Physics Honour Society events in the Department as well as at the Caribbean Climate Innovation Center (CCIC) and the Bureau of Standards Jamaica. The Society recognized the academic excellence of approximately 21 undergraduate students each semester. Speakers included Professor Dale Webber, Principal of The UWI Mona Campus.

Mr. Javier Bryan a second year student pursuing a major in Electronics and Computer

Science was featured in *The Star* on April 29, 2020. Mr. Bryan is implementing a device for monitoring a person's vital signs from any location with the data transmitted wirelessly. The project bears strong similarities with a project assigned to year 2 electronics students for remote monitoring of vital signs.

Physics Prizes Awarded:

Recipients of undergraduate departmental awards for 2019–2020 are:

The Professor John Lodenquai Prize

for Introductory to Physics – Daniel Jennings

Level II Physics Bursaries – Dayna-Leigh Plummer
Paul Tyrell

Michael Tharmanathan Physics Bursary – Kadeem William

Michael Neville McMorris Prize

for Physics (New) – Tyshona Hewitt

Staff Recognition and Awards: Miss Margaret Little was recognized with a long service award for 21 years of service by The UWI. Prime Minister's Youth Awardee 2018 Dr. Phylcia Ricketts was one of the recipients of the FST Distinguished Awards 2020. Professor Michael Taylor was also a recipient of an FST Distinguished Award 2020 for being named the 2019 Laureate of the Anthony N. Sagba Caribbean Awards for Excellence in Science and Technology.

Marketing and Outreach: CAPE Physics Workshop 2020 facilitated 927 students at The University of West Indies, Mona and Western Jamaica Campuses. Organizers and facilitators of the workshop included representatives from the Dean's Office in the Faculty of Science and Technology and Physics lecturers, postgraduates and undergraduate students. Dr. Michael Ponnambalam, a former Physics Lecturer visited from India to voluntarily conduct a series of CSEC Physics Workshops for High School students January 27–February 21, 2020 and supported by Physics staff and postgraduate students. Approximately 200 students participated.

Dr. Phylcia Ricketts was the Academic Coordinator and Tutor for the Pan American Health Organization (PAHO) online course – Mercury effects in human health and environment considerations under the Minamata Convention. The course ran from July 17–September 11, 2019 and was completed by 40 participants from different Caribbean countries. As the academic coordinator, Dr. Ricketts was responsible for adding course content that was relevant to the Caribbean region and monitoring interaction of students and tutors on the course platform.

PUBLICATIONS

Research and Graduate Activities: There are five (5) active Research Groups that continue to attract research grants and consultancies and to publish in their respective disciplines. Research areas include Statistical and Dynamic Downscaling of Climate Data, Evaluation of Renewable Energy Technologies and Modelling Renewable Energy Resources, Examination of the effect of wireless devices used on human health in realistic environments, Compact Stars in General Relativity and Astrophysics. BioGlass, Novel Application of Optics, Human Speech Recognition, the Detection of Trace Elements in BioSamples and Characterization of Materials post a fire event and Satellite Prototype Development. Graduate Enrolment was thirty nine postgraduate research students and ten M.Sc. students – six students in Renewable Energy Management and 4 students in Medical Physics.

Academic Visits: Dr. Paulette Bynoe from the University of Guyana completed a 6-month consultancy under the Investment Plan for the Caribbean Regional Track of the Pilot Program for Climate Resilience (PPCR) in August 2019. Dr. Bynoe's project explored Climate Information systems and disaster risk management for the fisheries sector. Mr. Cicero Lallo from The UWI, St. Augustine Campus completed a 6-month consultancy under the PPCR commencing September 27, 2019. Mr. Lallo examined the Impact of climate extremes on the dairy industry.

Refereed Journal Articles

- **Louis-Ray Harris** (2019): "Achieving Digital Transformation in Small-Island Developing States", Digital Skills Insights 2019, The International Telecommunication Union (ITU) Annual Online Publication, pp. 61–71, ISBN: 978-92-61-29321-5 (Paper version), 978-92-61-29331-4 (Electronic version), 978-92-61-29341-3 (ePub version), 978-92-61-29351-2 (Mobi version).
- Ch Vijaya Kumari, Y. Gandhi, P. Sobhanachalam, A. Siva Sesha Reddy, N. Venkatramaiah, **P. Venkateswara Rao**, V. Ravi Kumar (2019): Bioactive behaviour of NiO substituted CaF₂–CaO–B₂O₃–BaO–P₂O₅ glasses by means of spectroscopic studies Journal: Optical Materials IF: 2.687
- O. Hoegh-Guldberg, D. Jacob, **M. Taylor** et al. (2019): The human imperative of stabilizing global climate change at 1.5°C. Science. IF 41.04
- G. Yan, L. Li, A. Coy, X. Mu, S. Chen, D. Xie, W. Zhang and H. Zhou. (2019). Improving the Estimation of Fractional Vegetation Cover from UAV RGB Imagery by Colour Unmixing. *ISPRS Journal of Photogrammetry and Remote Sensing*. Vol. 158, 23-34 IF 6.942
- Lakshminarayana, U. Caldiño, A.N. Meza-Rocha, A. Lira, **P. Venkateswara Rao**, Vijay Singh, Dong-Eun Lee, Jonghun Yoon, Taejoon Park (2019). Fluorescence

- features of Tm³⁺-doped multicomponent borosilicate and borotellurite glasses for blue laser and S-band optical amplifier applications, *Optical Materials*, IF: 2.687
- Satyanarayana Talama, Rambabu Busi, Nagarjuna Gunnam, P. Syam Prasad, **Venkateswara Rao Penugonda** (2019). Preparation and structural characterization of P₂O₅- CaO-Na₂O: CuO glasses. *Journal of Optoelectronics and Advanced Materials*, IF: 0.588 .
 - **A. Coy**, S. James-Williamson, S. Bramwell-Lalor, N. Sadler-McKnight, N. McLean, **V. R. Penugonda** and M. Rainford. (2019). A Review of a Tertiary Level Institution's Initiative for Enhancing Education in STEM at the Secondary School Level. *Journal of Education and Development in the Caribbean*. Vol 18(1), pp 132–182.
 - **A. Coy** and **S. Watson** (2020). Acoustic Similarity of Inner and Outer Circle Varieties of Child-Produced English Vowels. *Journal of Speech, Language, and Hearing Research*, 63(3), 722–737. [IF 1.873]
 - M. MohanBabu, **P.Venkateswara Rao**, N.Veeraiah, P. SyamPrasad Title: Effect of Al³⁺ ions substitution in novel zinc phosphate glasses on formation of HAp layer for bone graft applications, *Journal: Colloids and Surfaces B: Biointerfaces* 185 (2020) 110591, ISSN: 0927-7765, IF: 3.973 .
 - M. Mohan Babu, P. Syam Prasad, **P. Venkateswara Rao**, Nibu Putenpurayil Govindan, Rajendra K. Singh, Hae-Won Kim, N. Veeraiah (2019): “Titanium incorporated Zinc-Phosphate bioactive glasses for bone tissue repair and regeneration: Impact of Ti⁴⁺ on physico-mechanical and in vitro bioactivity” *Ceramics International*, 45 (17) 23715-23727, ISSN: 0272- 8842, IF: 3.450.
 - M. Mohan Babu, P. Syam Prasad, S. Hima Bindu, **P. Venkateswara Rao**, Nibu Putenpurayil Govindan, N. Veeraiah, Mutlu Özcan. “Bioactivity, antibacterial activity and functionality of zirconia doped zinc phosphate bioglasses for application in dentistry” *Materials Science & Engineering C*, 114 (2020) 111052. ISSN: 0928-4931 IF: 4.959.
 - M. Iezid, F. Goumeidane, A. Abidi, M. Poulain, M. Legouera, G. Lakshminarayana, P. Syam Prasad, **P. Venkateswara Rao**. “Optical and devitrification kinetic studies of chloro-antimonate glasses” *Optical Materials* 105 (2020) 109934, ISSN: 0925-3467 IF: 2.687.
 - **A.A. Chen**, A.J. Stephens, **R. Koon**, **M. Ashtine**, **K. Mohammed-Koon Koon**. Pathways to climate change mitigation and stable energy by 100% renewable for a small island: Jamaica as an example. *Renewable and Sustainable Energy Reviews*, Vol. 121, (2020), 109671. I.F. 10.556, <https://doi.org/10.1016/j.rser.2019.109671>
 - **Phyllicia Ricketts**, Christopher Knight, **Andre Gordon**, Ana Boischio, **Mitko Voutchkov**. “Mercury Exposure Associated with Use of Skin Lightening Products in Jamaica” Accepted. *Journal of Health and Pollution* 25: (200304) 2020

- **Ricketts, P., Voutchkov, M. & Chan, H.M.** Risk-Benefit Assessment for Total Mercury, Arsenic, Selenium, and Omega-3 Fatty Acids Exposure from Fish Consumption in Jamaica. *Biol Trace Elem Res* 197, 262–270 (2020). <https://doi.org/10.1007/s12011-019-01965-3>
- S. Chen, Y. Chen, S. Ohno, L. Xu, W. Fan, L. Xue, **M. Ferhat** and Y. Wu, “Enhancing Interfacial Properties of Mg₂Si-based Thermoelectric Joint with Mg₂SiNi₃ Compound as Electrodes” *Phys. Status Solidi A*, 2020, *doi:10.1002/pssa.201901035* (Impact factor: 3.729, Citation: 0).
- N. A. Mahammedi, H. Gueffaf; B. Lagoun; **M. Ferhat** “Numerical simulation and optimization of a silicon clathrate-based solar cell n-Si₁₃₆/p-Si₂ using SCAPS-1D program” *Optical Materials*, 2020, in press (Impact factor: 2.687, Citation: 0).
- N. A. Mahammedi, H. Gueffaf, D. Cherrad, **M. Ferhat**, M. F. Nakmouche, “Direct bandgap silicon through strain engineering of type-VIII silicon clathrate Si₄₆: A first-principles study”. *Materials Chemistry and Physics*, Volume 250, 2020, pp 123021, <https://doi.org/10.1016/j.matchemphys.2020.123021>. (Impact factor: 2.781, Citation: 0).
- Trieu, N., **Williams, Z.**, Dorville, J., Huynh, H., Rodin, V., & Pottier, B. (2020). Open Data for Environment Sensing: Crowdsourcing Geolocation Data. *EAI Endorsed Transactions on Context-aware Systems and Applications*, 7(20), 164496. doi:10.4108/eai.12-5-2020.164496
- **R. Koon Koon**, S. Marshall, D. Morna, R. McCallum, and M. Ashtine. 2019. A Review of Caribbean Geothermal Energy Resource Potential. *West Indies Journal of Engineering*. Vol.42, No.2, January 2020.
- Nassim Ahmed Mahammedia, Hamza Gueffaf, Djellal Cherrad, **Marhoun Ferhat**, Mohammed Farouk Nakmouche (2020). Direct bandgap silicon through strain engineering of type-VIII silicon clathrate Si₄₆: A first-principles study *Materials Chemistry and Physics* DOI: 10.1016/j.matchemphys.2020.123021 IF 2.781
- **Louis-Ray Harris** (2020). Technology and Healthcare: achieving digital transformation in SIDS; Published online on March 26, 2020 on the International Telecommunications Union (ITU) News website <https://news.itu.int/technology-and-healthcare-achieving-digital-transformation-in-sids>
- **Ramikie, Trevor, Rattray, Vaughn.** and **Voutchkov, Mitko** (2020). Bioavailability of lead-contaminated soils in a tropical environment: Jamaica *International Journal of Environmental Science and Technology*, <https://doi.org/10.1007/s13762-019-02596-w>. IF 2.031

Books and Monographs

- A. Coy, Y. Hayashi, M. Chang (Editors). (2019). *Intelligent Tutoring Systems: 15th International Conference, ITS 2019*. Springer: Lecture Notes in Computer Science book series (LNCS, volume 11528). Springer, Switzerland.

ALIGNMENT

Partnerships: An MOU was signed between the Faculty of Science and Technology at The University of the West Indies and the College of International Education Exchange of Taiyuan University of Technology, China. The MoU aimed to facilitate collaborative research on solid state materials. Dr. Marhoun Ferhat coordinated this effort. The Department of Physics in collaboration with the CCIC and the Mona Entrepreneurial and Commercialization Centre (MECC) hosted an FST forum on “Fostering Business Creation through CleanTech Innovation” on Thursday, October 31, 2019. The forum discussed support available for business start-ups by The UWI through the MECC and by external institutions such as CCIC.

The Mona Fire Research Institute in Department of Physics in collaboration with the Jamaica Fire Brigade hosted a forum on Fire Safety Audits in the Workplace and in the Home on October 31, 2019. Presenters were Assistant Superintendent (Actg.) Dilton Pike and Acting Assistant Commissioner and Chief Fire Prevention Officer Emeleo Ebanks. The Department hosted its first Mona Physics Entrepreneurs Exposition and Social on November 27, 2019. The Exposition was a Mona Physics Alumni event that aimed to showcase some of the entrepreneurial exploits of our graduates. The event was supported by the CCIC and MECC. Ten teams of entrepreneurs presented on their businesses. An Alumni Professional Development Symposium was hosted March 11, 2020. The keynote speaker was Mrs. Lois Walters, President of the Human Resource Management Association of Jamaica.

Workshops and Conferences: The Department of Physics hosted a workshop entitled “The implications of climate change and variability on the Dairy Industry” on September 26, 2019. The facilitators were Mr. Cicero Lallo from The UWI St. Augustine Campus and Dr. Dale Rankine from The UWI Mona Campus. A workshop entitled “Vulnerability assessment of the Manchioneal Community Fishery System to climate variability and change” was hosted on November 4, 2019. Dr. Paulette Bynoe was the presenter. The workshops were sponsored by the Investment Plan for the Caribbean Regional (IPCR) and the Pilot Program for Climate Resilience (PPCR).

Three members of the Climate Studies Group, Mona (CSGM) participated in the International Conference on Regional Climate-CORDEX 2019 (ICRC-CORDEX 2019), which was held in Beijing (China) from the October 15–18, 2019. Professor Michael Taylor (Dean, FST) delivered a keynote address during the Opening Plenary

focused on the Special Report on 1.5 degrees. Other presenters included Drs. Tannecia Stephenson and Leonardo Clarke.

CONFERENCE PROCEEDINGS

- **Louis-Ray Harris**, “Electric Field and SAR Estimation for Multiple Wireless Device Usage in Capsule Environment”, Wireless Telecommunications Symposium (WTS) 2020, Washington D.C., USA, [Virtual], April 2020. Submitted to IEEE Xplore for publication
- **M. Eunick and L. Harris**, “Investigating the Impact of Inserting a Steel Mesh of Specific Dimensions Inside Concrete on Signal Propagation”, IEEE SoutheastCon 2020, Raleigh, North Carolina, USA, [Virtual] March 2020. Submitted to IEEE Xplore for publication.

PUBLIC SERVICE

Dr. Andre Coy

- Convener, Physics Panel for Caribbean Examination Council;
- Reviewer Journals, IEEE Transactions on Audio, Speech and Language Processing, Computer Speech and Language, Instrumentation Science & Technology;
- Member IEEE Signal Processing Society;
- Member IEEE Communications Society;
- Member STEM Integration Committee – Ministry of Education;
- Advisor to the Ministry of Education – Core Curriculum Unit.

Dr. Victor Douse

- Chairman, Cement Technical Committee, Bureau of Standards;
- Technical Assessor, Jamaica National Agency for Accreditation (JANAAC)
- Chairman, Aggregates Technical Committee;
- Vice Chairman, Building and Associated Materials Committee.

Dr. Tanya Kerr

- Member of the International Association of Fire Safety Science (IAFSS)

Dr. Leary Myers

- Member of Hazardous Substances Regulatory Authority

Dr. Venkateswara Penugonda

- Editorial Board Member for the Journal of Engineering Publication House;
- Life member in Luminescence Society of India (LSI);

- Editorial Board Member for the SCIREA Journal of Materials;
- Member in Caribbean Academy of Sciences, Jamaica (CASJ);
- Reviewer Journals: 1. *Applied Physics A*, 2. *Spectroscopy Letters*, 3. *Materials Science-Poland*, 4. *Journal of Alloys and Compounds*, 5. *Journal of Molecular Liquids*, 6. *Journal of Radiation Research & Applied Sciences*, 7. *Ionics*, 8. *Journal of Non-Crystalline Solids*, 9. *Journal of Physics & Chemistry of Solids*, 10. *Radiation Physics and Chemistry*, 11. *Optical Materials*, 12. *Journal of Industrial Textiles*, 13. *Journal of Results in Physics*.

Dr. Tannecia Stephenson

- Member of Coordinated Regional Climate Downscaling Experiment Science Advisory Team (CORDEX SAT);
- Member, Steering Committee, Pilot Programme for Climate Resilience (Caribbean);
- Member of the Task Team on Guide to Climatological Practices (TT-GCP) of the World Meteorological Organization Fifth Open Panel of the Commission for Climatology (CCI) Experts (OPACE 5);
- Member of the World Meteorological Organization Extremes Committee;
- Lead Author of the Intergovernmental Panel on Climate Change Sixth Assessment Report

Professor Michael Taylor

- Member, Board, Water Resources Authority;
- Member, Climate Change Advisory Board, Ministry of Land, Water, Environment and Climate Change;
- Member, International Science Panel of VAMOS/CLIVAR;
- Member, Steering Committee, Pilot Programme for Climate Resilience (Caribbean);
- Reviewer Journals: *Journal of Geophysical Research*, *International Journal of Climatology*, *Journal of Climate*, *Climate Dynamics*, *Theoretical and Applied Climatology*, *Tellus A*.
- Member, Jamaica's High-Level Education Transformation Commission.

Professor Mitko Voutchkov

- Member of the Board of Directors of International Centre for Environmental and Nuclear Sciences
- Member of the Editorial Board of the *West Indies Medical Journal*
- Member, Jamaica's Energy Council, Ministry of Science, Technology, Energy and Mining.

- Life Member, International Society of Environmental Geochemistry and Health
- Chairman, Technical Advisory Committee “In-situ Methods for Characterization of Contaminated Sites”, International Atomic Energy Agency (IAEA)
- IAEA Technical Co-operation Expert in Nuclear Physics

AGILITY

INCOME GENERATION

The Department commenced the offer of particle size testing through the Medical Physics Radioecology Laboratory.

Grants

- The UK-UWI Renewable Energy team was awarded the Frontiers of Science Follow-on Grant (FOS\R1\191009), entitled, “Climate-Resilient Caribbean-Based Renewable Energy Systems” from the Royal Society. *Researcher Dr. Randy Koon Koon*. Funding Awarded: £12,000.00.
- Climate Change Training and Capacity Building for NGOs and CBOs and the Disabled. P.I. Dale Rankine. Small Grants Programme CBA. US\$30,000
- Development of near to long term climate scenarios including the State of the Jamaican Climate 2019 Report. Michael Taylor. JM\$18,482,100. (US\$136,900)
- Improving Climate Data and Information Management Project through the design, supply and installation of a real time data transmission system for 40 automatic weather stations. PIOJ PPCR. PI Michael Taylor. JA\$10,745,414.98 (USD 79,654.67)
- Provision of Data Infilling Services for the Meteorological Service Jamaica. Improving Climate Data and Information Management Project. PIOJ PPCR. PI Tannecia Stephenson. US\$50,000.00

FACULTY OF SOCIAL SCIENCES

Mona

Year ending July 31, 2020



PROFESSOR DAVID TENNANT
B.Sc. UWI, MA, Ph.D. Manchester
DEAN

Dean's Overview

THE FSS AT A GLANCE: ADJUSTING TO CHALLENGING CIRCUMSTANCES IN 2019-2020

The 2019–2020 academic year presented significant challenges for the Faculty of Social Sciences due to ongoing financial constraints, severe space constraints at the start of the academic year caused by increased student intake, followed by the need to completely adjust operations in the second semester due to the new COVID-19 realities. The magnitude of both the financial and COVID-19 adjustments bear emphasis, as the FSS had over 8,000 students enrolled in its programmes, and over 11,000 students registered in the more than 800 courses offered in the academic year. As the largest faculty on the Mona Campus, the FSS has had to exert significant effort to adjust to both the stringent financial environment and the COVID-19 pandemic. The Faculty's successful efforts to adjust were encapsulated under the FSS-Triple-C Thrust for more effective Resource Utilization and Mobilization and the FSS-REACH vision, both of which are perfectly aligned with The UWI's Triple A Strategic Plan.

THE FSS TRIPLE-C THRUST FOR MORE EFFECTIVE RESOURCE UTILIZATION AND MOBILIZATION

The Triple-C thrust, conceptualized at a Retreat of the FSS Standing Committee on June 24, 2020, focuses on Cutting, Conserving and Creating. Due to the high demand for FSS programmes and courses, the efforts to cut expenditures focused largely on the reduction of the number of part-time/adjunct staff/graduate assistants based on closer monitoring of full time teaching hours. Efforts to conserve included a re-examination of processes and workflows to utilize people and technology more efficiently. To foster the creation of new sources of revenue, the FSS engaged an Associate Dean for Partnerships and Resource Mobilization and an Administrative Officer with responsibility for Marketing and Research Grant Writing. The efforts under the Triple-C thrust resulted in the FSS being able to present to the UWI Mona's Vacancy Monitoring Committee realized and projected combined savings and earnings of approximately J\$230m.

THE FSS-REACH VISION

Building on the preparatory work done in Academic Year 2018–2019, the FSS REACH Vision was officially launched at FSS Vision Monday, held on Monday August 19, 2019. The event represented an opportunity to chart the course for the upcoming Academic Year 2019–2020 and to firmly set the Faculty on a path towards the new Strategic Vision – Realizing impact through research, Exceeding the expectations of our stakeholders, Actively advocating for inclusive, sustainable development, Committed to being caring professionals, and Harnessing our skills through continuous improvement and empowerment.

A *Design Thinking Framework Initiative* was implemented as one of our ‘People’ objectives as outlined in the FSS Strategy Map, to encourage innovation and a focus on end-users in the planning process. The Associate Dean for Institutional Research and Strategic Planning (IRSP), has begun the process of infusing *Design Thinking* methodologies and approaches into the FSS strategic planning process, with progress being made towards formalizing a design thinking cycle and policy to ensure that design thinking is institutionalized as a problem-solving methodology. A number of activities led by staff were initiated under this objective, and supervised by the FSS Change Management Strike Team. Design thinking led to the reconceptualization of Faculty Day into several key lead-up activities that took place during August 2019 to engage the FSS prior to Vision Monday. These included the development of a Communication Plan and Change Management Plan to support the implementation of the REACH vision as well as the hosting of an FSS REACH Experience and Friday Lyme (see *Figure 1 for highlights*).

The FSS REACH Experience was held on Friday August 16, 2019 in Seminar Room (SR) 4 and all members of staff were invited to learn more about the FSS Strategic Vision by being presented with information in the form of posters, handouts, photos and journey maps. In addition to games and opportunities to win prizes, the highlight for staff was an informative, interactive and challenging tour. The Faculty was delighted to host the UWI Mona Campus Principal Professor Dale Webber at its FSS REACH Experience Tour, which showcased the development process and plans under the REACH Vision.

The FSS Friday Lyme was also held on Friday August 16, 2019 in the Social Sciences Lecture Theatre (SSLT) Gardens under the theme “*FSS Reaching Together*”. Activities included the recognition of new retirees through the presentation of citations and tokens of appreciation, the recognition of new staff, department teaching awards, best website competition, best outfit competition, karaoke, and a “kidz zone” entertainment. This event promoted further understanding of the FSS Strategic Vision and majority of FSS staff who completed the Faculty Day evaluation reported that they were willing to embrace the FSS REACH Vision. More importantly, the design thinking

methodology resulted in a highly engaging and staff-led initiative, thoroughly enjoyed by all who attended.

Progress on the Faculty's strategic vision was furthered through Practicum Opportunities given to MSc students from the Human Resource Development Programme – Asheba Morgan, who assisted in the development of the Change Ambassador Core group and Chante Simpson, who assisted in the development of a skills bank inventory.

The FSS REACH strategic initiatives that were implemented for the academic year 2019–2020 were in alignment with The UWI *Triple A Strategy* and demonstrated that this vision forms part of the Faculty's core values. The FSS strived towards achieving its strategic goals through agile methods that included change management, strategic planning, project management, leadership and succession planning, performance management, design thinking, collaboration, programme evaluation, database management, research methods and restructuring of the Faculty Office. The faculty also placed a central focus on staff and student engagement. Plans were also put in place to identify initiative owners, develop a repository and strategic planning dashboard, as well as align faculty initiatives with Triple A and campus initiatives.

Following the development of an FSS REACH logo and the tagline "*Together. Exceeding Expectations*" (see Figure 1 for logo and tagline), major staff-led projects were introduced as empowerment initiatives to enhance staff involvement. These included:

- **Design Thinking** – with the purpose to prepare a design-thinking-based proposal to re-imagine either Faculty-student orientation or Faculty-student awards ceremonies
- **Communications** – with the purpose to establish and pilot a communications system, including rules/regulations, procedures and responsibilities that meet the need for staff to be informed quickly and easily about important FSS activities
- **External Stakeholder Engagement** – with the purpose to support the Associate Dean for Partnerships and Resource Mobilization to develop a sustainable plan for promoting FSS research results to our stakeholders
- **Student REACH** – with the purpose to identify and appoint 30 student REACH ambassadors by June 2020
- **Team-Building** – with the purpose of identify Change Ambassadors to lead team-building activities
- **Talent Inventory** – with the purpose to develop a system to institutionalize the usage of the inventory when HODs and other key decision-makers are making decisions
- **Leadership** – with the purpose to integrate general leadership, future leadership and succession planning
- **Performance** – with the purpose to begin work through performance standards for core processes such as managing student queries and the graduation process



Figure 1: REACH Logo and Tagline

LEADERSHIP CONTINUITY AND CHANGE

Standing Committee

The Faculty wishes to thank Heads of Department Dr. Orville Taylor (Department of Sociology, Psychology and Social Work), Dr. David McBean (Mona School of Business and Management), Dr. Michelle McLeod (Centre for Hotel and Tourism Management), Senator Dr. Floyd Morris (Centre for Disability Studies) and Professor Aldrie Henry-Lee (Sir Arthur Lewis Institute of Social and Economic Studies) for their continued and unwavering service. For AY 2019–2020, the Faculty welcomed new Heads of Department, Dr. Suzette Haughton (Department of Government) and Dr. Nadine McCloud Rose (Department of Economics) as well as Associate Deans Dr. Delroy Chevers (Graduate Studies & Research), Dr. Lisa Vasciannie (Partnerships & Resource Mobilization), Dr. Marina Ramkissoon (Institutional Research & Strategic Planning) and Professor Garth Lipps (Undergraduate Studies & the Student Experience). David Tennant continued as Dean of the Faculty.

VICE-CHANCELLOR'S AWARDS FOR EXCELLENCE (2019–2020)

The FSS is very pleased to note that three members of its Standing Committee received the Vice-Chancellor's Awards for Excellence for 2019–2020. The FSS Awardees are:

- Professor Aldrie Henry-Lee – All Round Excellent Performance
- Dr Delroy Chevers – Outstanding Teaching
- Dr Floyd Morris – Outstanding Contribution to Public Service

We commend these colleagues for their exemplary work, even while contributing to the leadership of the Faculty.

PROFESSORIAL APPOINTMENTS

The Faculty wishes to congratulate the following persons on their appointment as Professors during AY 2019–2020:

- Professor Mehmet Orhan (Department of Economics); and
- Professor Christopher Charles (Department of Government).

We congratulate former Dean of the Faculty, Professor Evan Duggan, as his stellar

services to the Faculty and University were recognized by the conferment of the Rank of Professor Emeritus.

We congratulate Professor Eris Schoburgh (Department of Government) who was appointed as Vice President of the Caribbean Studies Association.

STUDENT INTAKE AND THROUGHPUT

The FSS made offers to 3,559 undergraduate applicants, of which 2,061 accepted offers to study at the Mona Campus. The Western Jamaica Campus made offers to 394 applicants, with 219 accepting offers. The Faculty made offers to a total of 1,208 graduate applicants for AY 2019–2020, and 707 persons accepted the offers. Throughput remained good for AY 2019–2020, with 1,191 students graduating with BSc degrees, and 439 students graduating with higher degrees. This is an increase from the previous academic year in which 1,011 students graduated with BSc degrees and 376 students graduated with higher degrees.

ACCESS

STUDENT ACHIEVEMENT

Prizes Awarded to Students

Undergraduate Awards

During the period 2019–2020, a significant number of FSS undergraduate students achieved very high standards of performance, with 731 students making the *Dean's List* for Semester 2. The most outstanding of these students (demonstrating excellent performance in Level I with a cumulative GPA above 3.6) were inducted into the FSS *Honours Society* at the Annual Breakfast Ceremony held on Thursday October 3, 2019 at the Mona Visitors' Lodge. There were 53 Honours Society (Undergraduate) Inductees for the period 2019–2020, which included: 16 students from the Department of Economics; five students from the Department of Government; 23 students from the Mona School of Business and Management (including three from the Western Jamaica Campus); and nine students from the Department of Sociology, Psychology and Social Work.

The Undergraduate Awards Ceremony for 2018–2019 was held on January 16, 2020 in the Social Sciences Lecture Theatre (SSLT) where seventy-four (74) students were awarded First Class Honours. Students were also awarded thirty-eight (38) *Course and Programme Awards* within various Departments:

- **Centre for Disability Studies (1 award):** Floyd Morris Award
- **Department of Economics (4 awards):** Economics Prize; Statistics Prize; Alfred A. Francis Prize; Banking and Finance Prize
- **Department of Government (10 awards):** Ann Spackman Memorial Prize; Paulette L. Wilson Prize; Archie Singham Memorial Prize; Rupert Lewis Prize; Carl Stone Prize; Nethersole Prize; Gladstone E. Mills Prize; Sir Laurence Lindo Prize; Gabrielle Hemmings; Rosina Wiltshire Prize
- **Mona School of Business and Management (13 awards):** Mona School of Business and Management Prize for Best Undergraduate Performance, Accounting, Entrepreneurship, Finance, Management Studies, Human Resource Management, Marketing, Management Information Systems, Operations Management, and Tourism Management; The Ernst & Young Cooperative Prize in Accounting, Taxation and Auditing.
- **Department of Sociology, Psychology, & Social Work (8 awards):** Jamaica Employers' Federation Prize; Psychology Prize; Social Work Alumni; June Dolly Besson Memorial Award; Jamaica Association of Social Workers Prize; Council of Voluntary Social Services Prize (Social Work); Lloyd Braithwaite Memorial Prize (Sociology); Hermione McKenzie Prize in Social Policy
- **Social Sciences Faculty Office (2 awards):** First Year Prize; Hugh Springer Prize (Cross Campus Awardee).

Postgraduate Awards

The Faculty hosted a Postgraduate Awards Ceremony on November 28, 2019 at the Mona Visitors' Lodge. One hundred and thirty-three (133) students were awarded Distinctions and several prizes in their MSc Programmes from various Departments:

Marketing initiatives to attract increased numbers of students to the University

Although the FSS continued to experience high demand for most of its programmes, efforts were made through targeted interventions to improve enrolment in specific programmes, as well as to improve the student experience more broadly. The explicit desire is through our communication and customer service to exceed the expectations of our students, and hence maintain and enhance our reputation as a top-choice faculty in which to pursue tertiary education.

Improved Internal and External Communication Channels

The Social Sciences Faculty Office enhanced its communication channels by using WhatsApp as a quick and effective communication channel between the office and current and prospective students. This was particularly useful during the COVID-19 pandemic when students were unable to physically visit the Faculty Office. Since

implementation, the use of WhatsApp has alleviated the usual heavy traffic of students visiting the Faculty Office and has allowed us to quickly respond to the queries of prospective and current students.

The Faculty also made progress towards implementing an Online Live Chat using Kayako Classic, a tool used by UWI in their Mission to achieve excellent customer service and efficient job management. Kayako was activated as a test case for The Faculty Office staff as well as the Department of Economics in AY 2019–2020 to provide live chat support as well as to record and log different student requests, through real-time responses or pre-defined responses to issues that increased response time. Targets have been set for the entire Faculty to receive Kayako training in the upcoming AY 2020–2021.

The FSS also reimagined its non-course events during the COVID-19 pandemic by hosting virtual meetings, book launches, seminars and workshops. These events were facilitated by a paid web-based video conference account on the Zoom platform, owned and controlled Deans Office.

Interaction with Prospective Students through Recruitment Visits

The faculty continued to partner with The UWI Marketing and Communications Office (MARCOM) team on its Recruitment Visits. Through these visits, the faculty interacted with prospective students outside of the Campus, with a special focus on targeting senior High School students. Recruitment visits provided the faculty with opportunities to showcase available programmes and encourage enrolment.

Graduate Applications Recruitment Campaign

The MSBM corporate branding campaign for the 2019–2020 *Graduate Application Programme* was launched on November 15, 2019 and showcased alumni, Jacqueline Sharp, Director, Coffee Traders Ltd and Kevin Donaldson, CEO, Sagicor Investments as “world-class leaders”. This was followed by a recruitment campaign in January 2020 which featured testimonial ads using recent graduates of MSBM programmes.

TEACHING, LEARNING AND STUDENT DEVELOPMENT

Efforts made to improve the quality of teaching, learning and student development

To better serve our students, several initiatives were undertaken for the academic year 2019–2020. Noteworthy are initiatives geared towards a culture of online delivery, changes to FSS Honours Society, expansion of the Weekend Programme, *Growth Mindset* Intervention for Required to Withdraw (RtW) Students, and the promotion of work-ready graduates through guest lectures and experiential learning.

Movement towards a Culture of Online Delivery

In response to the UWI's movement towards a culture of online delivery and precipitated by the onset of the COVID-19 pandemic, the Faculty hosted a number of training initiatives in AY 2019–2020 which included:

- *OurVLE Training – Virtual OurVLE training* held over three days (March 23, 25 and 27, 2020) and *FSS Admin OurVLE Training* for Administrative Staff held on May 22, 2020. Both facilitated by Ms. Nicole McKenzie, Information Technology Officer, Mona Information Technology Services (M.I.T.S)
- *Designing Multiple Choice Questions and Take Home Exams* – Held on April 9, 2020 and facilitated by Mrs Charmaine McKenzie, Coordinator, Campus Office for Online Learning
- *How to Use Turnitin* – Held on May 8, 2020 and facilitated by Dr. Alicia Palmer and Ms. Yolanda Tugwell, Librarians, UWI Mona Main Library
- *Creating and Grading Multiple Choice, Short Answer and Essay Questions in OurVLE* – Held on May 26, 2020 and facilitated by Mr Kirk Wilson, Virtual Learning Environment Administrator, Learning Management Systems Unit, MITS

Departments also hosted training sessions designed to meet specific identified needs in the remote teaching and learning environment.

Additionally, the Faculty established a working group in July 2020 with the aim to develop and implement a pilot geared towards creating an online teaching blueprint for the Faculty. The group consisted of FSS staff, as well as staff from the Campus Office of Online Learning and the MITS. The intention was to capitalize on the momentum created by the emergency remote access teaching, allowing the FSS to significantly increase the number of genuinely online and blended courses on offer. The Mona School of Business and Management conducted a short course on converting courses to an online format before the start of AY 2020–2021. This course included members from other departments. The intention is to have these persons share the material with others in their respective departments, while funds are sought to properly launch the pilot in AY 2020–2021.

1.2 Changes to FSS Honours Society

The Dean, Associate Dean for Undergraduate Studies and the Student Experience and Faculty Mentor worked with the President and representatives of the FSS Honours Society to revamp the Society in a manner that will allow it to yield greater benefits to its members, and to have the members offer more meaningful service to the university community. Revisions to the *Honours Society Student Accountability Charter* and *Membership Requirements* will allow for expanded membership in the

society without lowering the required standards of performance, and will encourage and properly structure greater service in areas such as mentorship and tutoring.

Expansion of Weekend School Programme

The Faculty revised the Weekend School Programme under the leadership of Dr. Lisa Vasciannie, Associate Dean for Resource Mobilisation and Partnership. A renewal plan for the School was prepared which focused on strategies to increase student intake by offering new degree programmes, short certificate and matriculation programmes as well as to aggressively market the programme offerings.

Approval was sought and granted for the Weekend Programme to be expanded to include four (4) new programmes: (1) The Bachelor Science in Marketing, designed to offer students a rigorous exposure to the qualitative and quantitative aspects of marketing; (2) The Bachelor of Science in Human Resource Management (HRM), designed to educate students on the core theories, principles and practices of managing people in organisations; (3) The Bachelor Science in Entrepreneurship, designed to expose students to the entrepreneurship scholarship, and business innovation; and (4) The Bachelor Science in Banking and Finance, designed to develop a formally trained cadre of banking and finance industry professionals. A marketing plan was also prepared with the goal of increasing public awareness of these new programme offerings. Efforts will be made to launch these programmes in the Weekend Programme in AY 2020–2021. A significantly increased student intake is expected.

1.4 Growth Mindset Intervention for Required to Withdraw (RtW) Students

In AY 2019–2020, decisions on whether waivers were to be granted to students who were required to withdraw (RtW) was devolved to departments to allow for better consideration of individual circumstances. Through the efforts of the Associate Dean for Undergraduate Studies and the Student Experience, *Growth Mindset Intervention Workshops* were delivered to students who had received a waiver of the Requirement to Withdraw from the University. The workshops aimed at providing students with study skills and strategies to improve their academic performance.

Another critical initiative that was conceptualized in AY 2019–2020, was the design of a *Comprehensive Undergraduate Academic Advising Programme*. It is expected that this programme will be implemented in AY 2020-2021.

1.5 Promoting Work-Ready Graduates through Experiential Learning

The FSS launched a number of initiatives to improve the work-readiness of its graduates. As an example, the Department of Government incorporated numerous guest lectures and site visits within selected courses to increase the exposure of students to various industries: Mr Keith Darien, Acting Principal Director at the Financial Investigations Division (FID), lectured on *Money-laundering and Asset*

Recovery in the GOVT3070 (Good Governance and Global Corruption) class on October 28, 2019; Jevon Minto, a Member of the Young Initiative on Foreign Affairs and International Relations and a Member of the Latin America and Caribbean Gina Network, presented to the GOVT1008 (Introduction to International Relations) students on *China in the 21st Century, the role of China in the Latin American and Caribbean Region* on November 5, 2019; Twelve (12) GOVT1008 students also had the opportunity visit the Mexican Ambassador to Jamaica, His Excellency Juan José González Mijares on November 6, 2019 to discuss international relations in the Latin America and Caribbean region, South-South cooperation, Mexico-Jamaica relations and the life of a diplomat.

ALIGNMENT

RESEARCH AND INNOVATION

Efforts made to improve the quality, quantity and impact of research, innovation and publication

In AY 2019–2020, the FSS continued to emphasize and showcase the importance of high-quality impactful research by encouraging and supporting the work of its academics through a number of initiatives.

Enhancing Research and Publications through Academic Writing

A Writers' Retreat spearheaded by Dr. Delroy Chevers, Associate Dean for Graduate Studies and Research, took place in January 2020 and facilitated researchers in the process of carrying ongoing research projects to completion. Support was provided by two Professors in Residence and the retreat resulted in six publications.

The Faculty also hosted a Research Grant Writing workshop in February 2020 that was facilitated by Dr Julie-Ann Grant, Grant Development Coordinator at The Mona Office of Research and Innovation (MORI). The workshop was attended by twenty-seven (27) colleagues, with representation from all departments. These persons benefitted from learning the fundamentals of grant writing, the application process for the Global Challenges Research Fund Networking Grants Scheme, as well as steps to plan a proposal.

Along with the efforts to promote increased publication outputs, a Writing Room was made available on Tuesdays and Saturdays in the Dean's Conference Room from 9am – 5pm and access was provided to predatory journals/publishers through *Cabell's Blacklist*.

Connecting Researchers through Multi-disciplinary Systems

The UWI Mona Campus activated a research cluster that connects researchers with expertise in various disciplines in a multi-campus, multi-disciplinary system and is being driven by the FSS. The research cluster examined *Small Island Developing States and the SDGs in the Wake of the COVID-19 pandemic* and targeted large international research grants with the goal to generate and promote awareness of research opportunities for potential postgraduate students as well as for research collaborations with staff and students in other Universities. The SALISES research clusters also continue to foster multidisciplinary research within the Faculty.

NATIONAL ENGAGEMENT AND OUTREACH

Research that responds to industry / government demands

Using interdisciplinary and innovative approaches, the FSS identified and addressed relevant Caribbean issues through impactful research for the academic period 2019-2020. The high quality of this research may be measured by the number of published works by faculty members in peer-reviewed journals and other notable outlets such as books, institutional survey reports, conferences and seminars.

Rapid Research Response to Global and Regional Health Demands

A number of research projects were initiated in response to the COVID-19 pandemic and spearheaded by Faculty members. These included: Rapid Response Survey to COVID-19 (Dr. K. Johnson from the Faculty of Social Sciences Mona and a cross-campus team from the St. Augustine Campus and Cave Hill Campus); Rural small farmer households and income shocks from COVID (Dr Patricia Northover from Sir Arthur Lewis Institute of Social and Economic Studies); The impact of COVID-19 on the employment of Household Workers in Jamaica (Dr. Heather Ricketts, Faculty of Social Sciences); The effect of COVID-19 on Caribbean Democracy (Dr. Lisa Vasciannie); Estimating the impact of COVID-19 on Jamaican MSMEs (Professor David Tennant, Dean, Faculty of Social Sciences); and SIDS & SDGs in the wake of COVID-19 (research cluster). The faculty was also represented on the National COVID-19 Research Agenda Committee (Kelly-Ann Dixon Hamil, Department of Economics).

Institutional Research to Inform Decision-Making

The FSS acknowledges that students, faculty, and staff are decision-makers who affect the achievement of the University's mission and vision. As such, a number of institutional research initiatives were undertaken to gain student, faculty and staff perspectives. Research commenced which focused on: Employee Engagement; Students as Customers; Student Profile, Performance and Labour Market Outcomes; and

Research Productivity. It is expected that significant progress in these institutional research projects will be made in AY 2020–2021, which will both allow for improved, evidence-based decision-making, as well as publishable output.

Showcasing Impactful Research in Publications, Conferences and Seminars

The Faculty expresses commendations to the following persons on their successful book launch: Dr. Indianna Minto-Coy for her book entitled “*Diaspora Networks in International Business: Perspectives for Understanding and Managing Diaspora Business and Resources*” launched on October 31, 2019; Drs. Lila Rao-Graham, Maurice McNaughton and Gunjan Mansingh for their book entitled “*Business Intelligence for Small and Medium-sized Enterprises: An Agile Roadmap toward Business Sustainability*” launched on December 4, 2019; and Professor Aldrie Henry-Lee for her book entitled “*Endangered and Transformative Childhood in Caribbean Small Island Developing States*”. The Faculty is extremely proud of the accomplishments of its scholars who participated in numerous Conferences and Seminars and who produced numerous journal publications for the academic year 2019–2020.

Efforts made to promote greater activism and public advocacy

Advocacy for Mental Health Awareness

The Psychology Unit of the Department of Sociology, Psychology and Social Work, Western Jamaica Campus was recognized for its continued excellent work in promoting mental health in the West at the Inaugural Mental Health Awards Gala on Saturday October 12, 2019. The Department of Sociology, Psychology and Social Work, Mona Campus partnered with the Jamaica Association of Social Workers and Alzheimer’s Jamaica to host their first 5K Walk Run and Social Impact Exposition. The event was held on Sunday March 1, 2020 at the Emancipation Park and proceeds from the event were in aid of Mental Health Awareness, scholarships and capacity building.

Advocacy for Vulnerable Populations

The FSS played a key role in the national and regional COVID-19 response, with staff members participating in a number of activities as part of the response to the pandemic. A unified approach towards advocacy in these unprecedented times was demonstrated through staff members serving as experts on various task forces such as the UWI COVID-19 Task Force, the Ministry of Health and Wellness (MOHW) Advisory committee for COVID-19, the National Emergency Operations Centre, the Jamaica Red Cross and the COVID 19-Emergency Management Team Subcommittee for Psychosocial Wellness.

The FSS also organised and participated in various forums and panel discussions on the impact of COVID-19, forming various sub-committees responsible for reforms

and commissioning polls. Research-driven analysis and recommendations were presented at Conferences and sensitization sessions, and presentations were also made to the Honourable Senate to advise policy.

In addition to providing psychological counselling for students affected by COVID-19, members of the FSS were also instrumental in advocating for students studying overseas who were also affected, through ongoing consultations. Staff members were also team leads on various projects, for example, an Inter-American Development Bank (IDB) project to estimate the impact of the COVID-19 pandemic on Jamaican MSMEs, and a UNICEF-CAPRI project to examine the impact of the pandemic on Jamaican children. These achievements were highlighted in various forms such as publications in the Jamaica Gleaner as well as in television and radio interviews.

Advocacy for Persons with Disabilities

The advocacy for greater inclusion of persons with disabilities continued through the work of the Centre for Disability Studies. The Department conducted a seminar to disclose the findings of the Regional Disability Index for 2018–2019 as well as hosted their fourth UWI Centre for Disability Studies Regional Disability Studies Conference in March 2020. The Director for the UWI Centre for Disability Studies also advocated for a resolution for persons with disabilities to have greater access to Gordon House and the new Parliament building to be constructed at National Heroes Park. The resolution was tabled and adopted in the Parliament.

AGILITY

REGIONAL AND INTERNATIONAL COLLABORATION

Efforts made to enhance the global presence of the University

Highlighted efforts to enhance the global presence of the University during AY 2019–2020 included: guest lectures; scholarship opportunities; opportunities for collaboration through meeting attendance; media coverage; newsletters; and the development of a marketing and communication plan as well as a sponsorship policy.

International Representatives Hosted by the FSS

- Ambassador Malgorzata Wasilewska and her team from the Delegation of the EU visited in May 2019 to acknowledge the partnership between Jamaica and the EU. Showings for the EU Film Festival were held at UWI with the goal to engage students (http://www.jamaicaobserver.com/latestnews/EU_Delegation_in_Jamaica_celebrates_Europe_Day_on_May_9?profile=1228)

- The Faculty hosted Ambassador Donald Tapia, US Ambassador to Jamaica on March 2, 2020 and this facilitated discussions surrounding US foreign policy and its evolution.
- The Faculty hosted the Indian High Commissioner to Jamaica, Shri Sevala Naik on February 23, 2020 and held discussions surrounding India's growing role in the world as a global stakeholder. The discussions opened avenues for research collaboration, exchange of expertise as well as staff and student exchanges.

Scholarships Negotiated by the FSS

- The FSS negotiated the terms of the Nettleford/McIntyre Semester at Oxford University Scholarship and widened the scope of the Scholarship to include MSc Students and/or junior faculty involved in research on disadvantaged communities.
- The FSS continued engagement with Total Jamaica for an increase in scholarships.
- Department of Government lecturer, Dr Kavita Johnson was presented with the opportunity to benefit from the *Distinguished Scholar Programme to India*.

Enhanced Opportunities for Collaboration through Meeting Attendance

- Dr. Lisa Vasciannie, Associate Dean Partnerships and Resource Mobilization, attended a number of meetings which facilitated opportunities for collaboration:
 - Partnership Ranking Tool Meeting with PVC Global Affairs: exploratory meeting for establishing a standardized ranking and evaluation system for the database of UWI Partnerships
 - Commemoration of CARICOM/Cuba relations, December 9, 2019 hosted by the Ministry of Foreign Affairs and Foreign Trade
 - Policy Discussion on US-Caribbean Relations with US Secretary of State, Mike Pompeo: attendance covered with photo in Jamaica Gleaner online-January 22nd)
- Mr. Robert Bermudez visited The Bahamas to host a Conversations forum on Monday 15th July, 2019.
- Sir Hilary Beckles visited The Bahamas from 11th to 13th September, 2019, to support relief efforts after hurricane Dorian. During the Vice Chancellor's visit a meeting was held with the Minister of Education, Honourable Jeffrey Lloyd.

Increased Visibility of Faculty through Media Coverage

- *Radio:* Mr Glenville McLeod, Faculty Advisor, UWIMUN was hosted on News Talk FM on Wednesday February 19, 2020. Discussions were held surrounding the recent performance and achievements of the Club and Harvard MUN.

- *Print:* High Commissioner Naik's visit was covered in the *Sunday Gleaner*, February 23, 2020 – <http://jamaica-gleaner.com/article/news/20200223/lessons-india-uwj-benefits-global-partnership>.
- *Television:* The Society for Future Policy Leaders (SFPL) was invited by the Jamaica News Network to be a part of their Business Forum – The Exchange, on Wednesday, February 19th. SFPL was represented by Symbe Hutchinson, the Public Relations Officer, who took part in the discussion surrounding the government's financial budget for the fiscal year 2020–2021.
- *Social Media:* FSS Twitter, IG and Facebook accounts shared frequent “stories” (temporary 24 hour posts) and permanent posts in the feed

Increased Visibility of Faculty through Newsletter

- The first FSS Newsletter “*Fresh from FSS*” was published – https://issuu.com/fssmarketinguwi/docs/fss_20covid-19_20issue
- A second FSS Newsletter is being drafted for publication in the Academic Year 2020–2021.

Development of Marketing and Communication Plan

A Marketing and Communication Plan was developed which will assist in:

- Marketing of new programmes
- Increasing visibility of the Faculty's research
- Attracting new external stakeholders
- Increasing income through new partnerships and sponsorship

Streamlining of Sponsorship Engagements within the FSS

A team was convened to develop an FSS Sponsorship Policy which will guide and streamline all sponsorship engagements undertaken by members of the Faculty (e.g. student scholarships, endowments to support research and the development of infrastructure and equipment)

INITIATIVES AIMED AT INCREASING THE NUMBER OF INTERNATIONAL STUDENTS ENROLLED AT MONA

Initiatives aimed at increasing the number of international students enrolled at UWI Mona for the academic year 2019–2020 included collaboration with the International Office and the promotion of student activities on FSS social media pages.

Collaboration with the International Office

Collaboration with the International Office for joint degrees and student and staff

exchanges to France-MPIC Programme, Canada, Sweden-Linnaeus Palme Fellowship (School of Global Studies) and Spain-Erasmus Fellowships.

2.2 Promotion of Student activities on FSS social media pages

- Erasmus+ Scholar Jessica Mayne on her Semester in Spain
- FIFCA/MPIC programme published in *Gleaner* and *Observer* with an appeal for more corporate sponsorship
- FSS Office/Dr Moji Anderson featured Linnaeus-Palme Student Faculty Programme on social media
- Arranged meeting and liaised with International Students' Office and Examinations (Ms Tyrell/Ms Brown) for orientation of academic and cultural issues for MPIC students and language support for one Linnaeus-Palme student

Initiatives aimed at increasing partnerships with international institutions

Initiatives aimed at increasing partnerships within international institutions for the academic year 2019–2020 included:

- World Bank Jamaica/Jamaica Trade Information Portal partnership for student/junior faculty to participate in the Jamaica Trade Information Portal User Group Meeting
- Ongoing negotiations with other international partners for more collaborations, which included: UN Women Scholarship; Agreement with Japan (JICA) for faculty/staff collaboration; Global Mentoring Initiative; School of Global Studies, University of Gothenburg to expand partnership with the FSS beyond the tenure of the current Linnaeus-Palme programme to explore more Erasmus+ opportunities for FSS Students and Faculty Organization of American States.

DEPARTMENT OF ECONOMICS

Dr. Nadine McCloud-Rose, B.Sc., MPhil, UWI; M.A., Ph.D., Binghamton University
– Head of Department



WORK OF THE DEPARTMENT

The Department of Economics (DoE) began the year under review with its renewed strategic vision and an updated strategic plan. Equipped with a renewed vision, the DoE aspired to become a renowned hub for the production, dissemination, and exchange of cutting-edge knowledge. The updated strategic plan outlined the new direction of the Department in its bid towards the realization of the mission and vision. In the updated strategic plan, the DoE pledged to be: (i) *Research-Pioneering*; (ii) *Student-Centered*; (iii) *Visible and Influential*; and (iv) *Highly-Engaged and – Invested*. The Department is fully committed to the ONE UWI policy. As such, the strategic plan seeks to marry the UWI 2017–2022 Strategic plan, which will allow the DoE to continue to assist in the realization of the University’s mission.

During the period under review, the Department undertook several initiatives geared toward realizing the strategic plan. The relevant sections throughout this report underscore these initiatives. However, the government’s announcement on March 10, 2020, of the first Coronavirus case in Jamaica slightly disrupted or halted some of the Department’s efforts. After this announcement, the Principal declared that all classes would be suspended effective March 13, 2020, and would resume remotely on April 14, 2020. The rationale was that one month’s closure would afford the University ample time to prime for remote delivery. Following this announcement, to avoid further importation and spread of the coronavirus, the Department of Economics immediately cancelled its West Indies Economic Conference 2020, scheduled for March 12–13. Professor Janet Currie, from Princeton University, had been scheduled to give the keynote speech, which was on “Child Health as Human Capital.” Professors Suresh Naidu and W. Bentley Macleod, both from Columbia University, were the headliners of a panel that would close off the conference on Friday afternoon. Thirty-nine participants were present in 9 different panels on topics including growth and development, energy and the environment, trade and productivity and health.

During the period of closure, the academic staff and tutors engaged in several remote delivery training sessions in Blackboard Collaborate (BBC) and OurVLE arranged by the Faculty of Social Sciences office, the Department, and the Open Campus. Academic staff toiled countless hours to upload lecture videos and other types of course materials to ensure readiness for teaching on April 14. The administrative and technical staff speedily implemented steps to facilitate them in working remotely. For example, to maintain excellent customer care to the students and other stakeholders, the Department engaged MITS to fast-track the “Online Chat” facility on the Department’s website.

All admin staff members received training in its use, and students notified of its availability. Students and other stakeholders were able to communicate effectively with the department representatives via this and other mediums.

STAFFING OVERVIEW

The Principal assigned Dr. Nadine McCloud Rose the role of acting Head of Economics in January 2019 following the resignation of the Head of Department, Dr. Marie Freckleton. The Principal subsequently appointed Dr. McCloud-Rose to the post for three years with effect from August 1, 2019. Professor Mehmet Orhan tendered his resignation effective December 2019, while Dr. Moise Nken joined the academic staff of the Department in the capacity of the lecturer as of January 2020. Dr. Moise earned his Ph.D. in Economics from Ryerson University; his main research field is international trade. Dr. Nekeisha Spencer received a promotion to Snr Lecturer.

ACCESS

STUDENTS

Undergraduate

The undergraduate committee expanded its initiatives throughout the academic year. These initiatives continued to focus on improving student-centeredness and providing outstanding customer service. The Department reassessed and revamped its orientation and academic advising agendas to ensure the Department’s objectives were realized and well-received by the students. The orientation was of an online format, using the zoom and youtube platforms; it was well attended and well received by the students. The committee continued its efforts to provide individual support and academic advising to students who were required to withdraw from their programme of study due to below-average GPAs.

Graduate

After deferring the Ph.D. programme in the 2018–2019 academic year, the Department inaugurated this critical programme in September 2019. A total of 19 students applied to the program, and 17 received offers. However, due to unforeseen circumstances, only one student remained in the program. The Department has subsequently revamped the current fields to be offered and has sought funding with local entities and partnerships with international universities to increase the attractiveness of the Ph.D. programme.

Math camp

After a successful staging of the math camp in the previous academic year, the Department continued the programme during the year under review. The objective of the camp is to ascertain the competencies of the students and work towards ensuring that all students began their graduate programs on the same page. The camp is a two weeks refresher course in mathematics and statistics. It aims to give students the mathematical and statistical skills required to delve into the field of economics at the M.Sc. and Ph.D.

New Course

The Department re-introduced the course, ECON3030 Selected Topics in Economics. The course is a Level three elective taught in the first semester each academic year. On completion of the course, the successful candidate should be able to:

- Demonstrate an advanced capacity for analytical thinking, reasoning and application.
- Demonstrate the ability to abstract and problem solve.
- Develop a well-developed understanding of economic principles, applied economics, economic information, and research issues.
- Demonstrate data skills, mathematical/statistical skills and written communication skills.
- Demonstrate critical research skills.

Student Registration

Majors	No. of Students	Minors	No of Students
UNDERGRADUATE			
Banking & Finance	542	Economics	123
Economics	697	Statistics	21
Statistics	81		
GRADUATE			
Program	No. of Students	Program	No of Students
Economics	53	International Economics & International Law	1

Student Awards

Undergraduate

Pepeatha Hart – The Economics Prize (Best Economics Student)

Melissa Foster – The Statistics Prize (Best Statistics Student)

Zaria Morrell – The Alfred Francis Prize (Best Econometrics student)

Devin Smith – The Banking and Finance Prize (Best Banking & Finance Student)

Graduate

Oneka Taylor – The Top Student Award (Best Graduate Student), The Economics Theory Prize (Best Economic Theory Student), The Econometrics Prize (Best Econometrics Student)

Kerry-Ann Purcell – The George Beckford Prize (Best Student in Economic Development)

PUBLICATIONS

Journal Articles

- Freckleton, M. & Whitely P. (2020). Can Trade Agreements among Small Countries Create Trade? *International Journal of Development Issues* Vol. 19 No. 2, pp. 205–216.

- **McCloud, Nadine** and Christopher F. Parmeter. 2020. Determining the Number of Effective Parameters in Kernel Density Estimation. *Computational Statistics and Data Analysis*, 143: 106843.
- **McCloud, Nadine** and Christopher F. Parmeter. 2021. Calculating Degrees of Freedom in Multivariate Local Polynomial Regression. *Journal of Statistical Planning and Inference*, 210:141–160.
- Lake, J., **Nken, M.** and H. M. Yildiz (2020). Tariff bindings and the dynamic formation of Preferential Trade Agreements, *Journal of International Economics*, Volume 122 (C).
- **Spencer, N.**, Urquhart, M. and **P. Whitely** (2020). Class Discrimination? Evidence from a Racially Homogeneous Labour Market, *Review of Radical Political Economics* 52 (1), 77–95.

ALIGNMENT

The West Indies Economics Conference – WECON – is the Department of Economics’ annual international conference. It provides a platform for researchers worldwide to share their knowledge and forge alliances for collaborative work. The conference provides excellent opportunities for policymakers, stakeholders and students to share their expertise and garner insights into vital economic issues. International conferences such as these offer different points of view, new ideas and trends in different fields of economics, including development, finance, energy, environmental, health and monetary. Also, they generally provide new techniques useful to quantify local unpublished data for policymaking in Jamaica.

The Department began forging a relationship with RADA. The Department envisions some Ph.D. students undertaking research germane to RADA. This linkage is part of our National Research Primacy Initiative & Student Research Support & Services Initiative.

Given the scarcity of labour economics in the region, the Department tapped ILO for a studentship at the Ph.D. level. The Department continued to leverage its connections with external researchers to (i) help provide quality supervision and course delivery to the Ph.D. candidates, and (iii) increase research collaboration between members of the Department and internationally-renowned and established research groups in world-class universities. At the end of the academic year, the Department received commitments from professors overseas to assist with course delivery and Ph.D. supervision.

PAPERS PRESENTED

- **Samuel Braithwaite** “Decentralisation, Ethnic Fractionalisation & The Resource Curse: The Case of Guyana,” the Department of Government, Sociology, Social Work and Psychology (GSSWP) – Cave Hill Campus Forum. April 30, 2020. 17 pages.
- **Christine Clarke**, “Towards Developing an Index of Resilience for Small Island Developing States.” Jamaica Red Cross/UWI Faculty of Social Sciences Symposium, August 18, 2019.
- **Peter-John Gordon** “Do Elite Schools Matter? Empirical evidence from Jamaica”. Conference on the Economy (COTE) 2019, Department of Economics, The University of the West Indies, St Augustine, October 10, 2019
- **Nadia Grant-Reid** “Effect of Vocational Training on Employment and Wages: Evidence from Jamaican Panel Data,” 51st Annual Monetary Studies Conference, Eastern Caribbean Central Bank, Basseterre, St Kitts and Nevis. November 19–21
- Andre Haughton, “Demand and Supply Trends of the Cannabis Industry in Jamaica.” CanEx Jamaica Business Conference and Expo, September 26–28, Montego Bay, Jamaica.
- Andre Haughton “Rethinking the National Development Plan.” ICS Staff/Postgraduate Seminar, November 21, 2019, Neville Hall Lecture Theatre, The University of the West Indies, Mona Campus.
- Daniel Henderson, **Nadine McCloud** and Christopher F. Parmeter. “Joint Estimation and Bandwidth Selection in Partially Parametric models.” 29th Annual Meetings of the Midwest Econometrics Group, Ohio State University, October 11–12, 2019, 39 pages.
- Daniel Henderson, **Nadine McCloud** and Christopher F. Parmeter. “Joint Estimation and Bandwidth Selection in Partially Parametric models.” Department of Economics, Emory University, October 29, 2019, 39 pages.
- Daniel Henderson, **Nadine McCloud** and Christopher F. Parmeter. “Joint Estimation and Bandwidth Selection in Partially Parametric models.” Annual Meeting of the Latin American and Caribbean Economic Association (LACEA) and the Latin American Meeting of the Econometric Society (LAMES) on November 7–9, 2019 Puebla, Mexico.
- **Nadine McCloud-Rose** and Ajornie Taylor “The Effect of Inflation Targeting on International Trade: A Synthetic Control Approach” Department of Economics Research Seminar, November 21, 2019, The University of the West Indies, Mona Campus.

- **Nadine McCloud-Rose and Peter-John Gordon**, “Peer Effects in Education: Do Boys and Girls respond differently?” Ministry of Education, Youth and Information, February 13, 2020
- **Mehmet Orhan** “Policy Implications of the Lucas Critique Empirically tested along the Global Financial Crisis” Department of Economics Research Seminar, November 14, 2019, The University of the West Indies, Mona.
- **Nekeisha Spencer**, “Poverty and Hurricane Risk Exposure in Jamaica,” Annual Monetary Studies Conference, Basseterre, St. Kitts, November 2019.
- **Nekeisha Spencer**, “Poverty and Hurricane Risk Exposure in Jamaica,” Risk Considerations and Insurance in Developing Countries Conference, New York February 2020.
- **Nekeisha Spencer**, “Economic Outcomes of Hurricanes,” Fourth SDG Center International Seminar: Climate Action, March 2020.
- **Nekeisha Spencer**, “The Impact of Extreme Weather on Temporary Work Absence,” International Labour Organization Workshop on Extreme Weather Events,” May 2020.

PUBLIC SERVICE

Dr. Samuel Braithwaite

- Member, Economic Policy Committee of the PSOJ

Dr. Alrick Campbell

- Member, National Competitiveness Committee (NCC)
- Member, National Productivity Sub-Committee (NPSC),
- Team leader, Energy, Environment and Climate Change working group

Dr. Christine Clarke

- Board member, BoJ
- Board member, Jetcon

Dr. Kelly-Ann Dixon Hamil

- Member, The Elsie Barnett Smith Memorial Scholarship Committee
- Member, Visitor Harassment Research Unit Advisory Committee, School of Hospitality and Tourism Management, Purdue University
- Co-Chair, Socioeconomic Research Group, National Research Agenda for COVID-19
- Team member, IDB project investigating the effects of COVID-19 on Businesses (particularly MSMEs) In Jamaica

- Team member, UNICEF project investigating the effects of COVID-19 on children in Jamaica

Dr. Peter-John Gordon

- Board member, Mico Foundation
- Board member, Kingston College

Mr. Jevon Henry

- Board member, Jamaican Association for Debating and Empowerment (JADE)

Dr. Damien King

- Board chair, Recycling Partner of Jamaica Ltd.
- Board member, Office of Utilities Regulation
- Board member, Caribbean Policy Research Institute
- Board member, Bitt, Inc. (Barbados)

Dr. Patrice Whitely

- Board member, St Andrew Parish Church Foundation
- Member, St Andrew Parish Church Legal Advisory Service
- Board member, Lupus Foundation of Jamaica

Dr. Nadine McCloud Rose

- Member, Jamaica Survey of Living Conditions Steering Committee

OTHER PROFESSIONAL ACTIVITY AND EXPERIENCE

Dr. Nadine McCloud Rose

- Editorial Board Member, *Journal of International Trade & Economic Development*
- Member, Scientific committee of the 2020 Latin American Workshop in Econometrics of the Econometric Society, Guayaquil, Ecuador
- Mentor – 2019 Midwest Econometrics Group Mentoring Workshop for Women

AGILITY

INCOME GENERATION

The Department's summer school continues to be a viable option for income generation for the Department and, by extension, the University. The Department continues to offer all its level one courses and all core courses in the Department. In

previous years, the Department has added some free electives to the list of courses offered. The students have well-received these additions. During summer school for the period, the Department offered 17 courses to which 592 students registered. The revenue generated from registration fees during the period was \$20,714,304.00.

In our continued efforts toward student-centeredness and increased access, the Department secured two new scholarships, one at the graduate level and the other at the undergraduate level. The graduate scholarship named “*Colin Fitz-Herbert Bullock (CFB) Scholarship*” will have a maximum duration of four (4) academic years. The value of the CFB Scholarship is *Seven Million, Two Hundred Thousand Jamaica Dollars (\$7,200,000.00)*, and will become effective September 2020. The Bank of Jamaica will fund the scholarship.

The second scholarship is the **Dr. Nittala N. Murthy Scholarship**; it was made available under the auspices of the family of Dr. Nittala Murthy. Dr. Murthy was a former member of staff in the Department. The value of the scholarship award is *Seventeen Hundred and Fifty US dollars (US\$1750)* per annum. The scholarship will become effective in September 2021.



DEPARTMENT OF GOVERNMENT

Dr. Suzette A. Haughton, BSc, MSc, UWI, PhD, KCL – Head of Department

INTRODUCTION

The Department of Government (DGOV) at the Mona Campus of The University of West Indies (The UWI) has a long, rich tradition of teaching, research, service and outreach to the community. Its foremost mission has always been “to groom the next generation of leaders and critical thinkers” who can utilize the epistemological, ontological, theoretical and practical knowledge gleaned from the Department’s programmes to tackle and solve many of the existing and emerging social, political, economic, cultural and security problems faced by Jamaica, the Caribbean region, and beyond. The year 2019 marked the 60th anniversary of the DGOV. Within its first decade, the Department offered a hierarchy of programmes from the Certificate level, to the undergraduate (BSc) level, to the postgraduate (M.Sc., M.Phil. and Ph.D.) level. While its initial programmes focused on a narrow conceptualization of the political science and public policy features of government, with the passage of time and the evolution of the discipline, more streams have been added to the Department’s programmes. Today, the DGOV now boasts of having three distinct undergraduate streams, namely Political Science, International Relations, and Public Policy and Management, with each sub-discipline operationalized as “Units”, effectively managed by a “Coordinator.” The DGOV currently offers four (4) undergraduate degrees (Majors) and four (4) Minors. At the Graduate level, four (4) M.Sc. programmes are offered along with a M.Phil. and Ph.D. programme.

The Department no longer offers Certificate/Diploma level programmes, although this is something that may have to be revisited given the demand for remedial learning modules that can assist individuals to meet the qualifying standards for entry into an undergraduate degree programme, and the demand from individuals from both public and private sectors for non-degree courses to upgrade their knowledge and skills in order to perform their jobs more effectively and efficiently. The teaching and learning focus of DGOV is supplemented by an ambitious research agenda. The

complement of twenty-three (23) full-time permanent and temporary members of the academic staff undertakes research and scholarly activities that guide the curriculum and the revisions of that curriculum. Curriculum changes within the DGOV are clearly informed by best practices from both within and outside The UWI system.

SOME FINDINGS OF THE 2019–2020 QUALITY ASSURANCE REVIEW (QAR)

Between August 2019 and March 2020, the Department executed its regular 6 yearly quality assurance review. The Review Team reported that the DGOV is producing well-rounding individuals who have been able to contribute effectively to the workplace. The evidence for this was demonstrated in the team's conversations with alumni. According to the alumni, the DGOV is providing students with "amazing experiences", particularly for those students who are proactive in developing a relationship with tutors and lecturers during their time at The University. The opportunities provided to students include being able to attend academic conferences; membership in on-campus student clubs; taking part in the annual Model United Nations at Harvard and in the Society for Future Policy Leaders; undertaking internships with various Ministries of Government, including the Ministry of Foreign Affairs, the Ministry of National Security, the Ministry of Education; work-study programmes in the US; public opinion pollsters; and, Parliamentary internships. Being able to take advantage of these opportunities certainly helps students with the transition from University to the workplace. In some cases, the Review Team reported that they found that the DGOV has been very accommodating of individuals who are already in the work force but want to upgrade their education by enrolling as part-time students at both the undergraduate and graduate levels. In a nutshell, the DGOV has created a stimulating research, teaching and outreach environment in which students can apply their knowledge to solving real life problems. The Review Team reported that the DGOV academic environment is one in which "students' experiences are not disconnected from issues addressed in the classroom and the major issues dominating the society in which they will work upon graduation" (p.9)

ACADEMIC PROMOTION

During 2019 academic year the DGOV welcomed the promotion of 3 senior lecturers to the rank of Professor:

- Eris Schoburgh
- Lloyd Waller
- Christopher Charles

ACCESS

STUDENTS

During the 2019–2020 academic year, the DGOV students performed exceptionally well in all areas of academic and community pursuits. In response to the COVID-19 pandemic, the Parliamentary Interns of the DGOV students have been virtually attending Parliamentary sub-committee meetings since April 2020. In June 2020, they prepared a paper on the “ParlAmericas Response to the COVID-19 pandemic” which was presented at a Standing Order Committee meeting to discuss amendments to the Standing Orders so as to facilitate/recognize virtual meetings.

Three (3) Department of Government students and one faculty member received prestigious scholarships to pursue PhD students in the United States. Additionally, Asha-Gaye Cowell, another Department of Government student received a scholarship to pursue studies at University of Oxford.

Furthermore, the UWI Model United Nations Club team competed at the Harvard Model United Nations (HNMUN) competition February 13–16, 2020 in Boston Massachusetts. In total 18 students across the UWI’s three major campuses: Mona, St. Augustine and Cave Hill represented the University. The HNMUN competition has students from over 40 Universities in the world carry out simulations in which their diplomatic skills are on full display. As a result of their hard work and training, the UWI received awards ranging from Outstanding Delegate to Diplomatic Commendations.

Jossie Noble and Rolando Caballero of the Department left in February 2020 for a Semester abroad at the Universities of Gothenburg and Valladolid respectively.

The Department’s Graduate/Staff seminar series resumed via the Blackboard Collaborate online platform with presentations on May 14, 2020.

- Mr. Glenville McLeod presented on his research titled, “Towards a Green Economy: Exploring the feasibility of the Green as the catalyst for Sustainable Development in Jamaica’s tourism sector”.
- Ms. Joanna Simpson presented on her research titled, “Finding Success: Integration into Society and Desistance from Crime of Former Prisoners in Jamaica”.

TEACHING AND LEARNING

During the 2019–2020 academic year, the DGOV’s Political Science Unit refined its proposal aimed at strengthening the BSc. in Political Science (Major) by:

- Increasing the number of courses offered to first year students
- Reducing the content over-lap between courses

- Introducing new courses
- Providing students with a foundation in core courses that are necessary to ensure consistency in level 1 courses across the majors in the Department of Government
- Facilitating diverse learning styles by altering the grading scheme for individual courses

At present, the BSc. in Political Science has one of the highest enrolment figures in the Department of Government, which is an indication of the demand for the programme. The proposed revision of the programme is expected to address gaps and enhance the relevance and attractiveness of an already high demand programme.

During the same period Dr. Lisa Vasciannie received written congratulations from Professor Ian Boxill, Deputy Principal, on her excellent rating of 4.83 for the course GOVT 6070: Regionalism in a Globalized Age taught in Semester 1, 2019/2020. It noted that this score was particularly impressive as only 39% of the class had responded. Professor Boxill encouraged Dr. Vasciannie to continue delivering high quality teaching to her students. Additionally, Mr. Glenville McLeod; who coordinates the UWI FOUN 1301 course – *Law, Governance, Economy & Society in the Caribbean* - had a major overhaul in its delivery. The course, like all other foundation courses has implemented a blended approach in delivery, which will see the utilization of the online platform for the delivery of the course and for communicating with students.

During the reporting period, the Department's faculty advisors conducted ongoing consultations with DGOV students studying in Spain, France and Martinique who have been impacted by COVID-19.

PUBLICATIONS

During the 2019 academic period the following papers were published:

- Co-authored Paper Presentation: Haack, Kirsten; Karns, Margaret; Murray, Jean-Pierre "The UN at 75: Where are the Women Now?" Presented at the *Academic Council on the United Nations System (ACUNS)* Annual Conference, June 25– 27, 2020, Global Online Event. (Conference was organized virtually due to COVID-19)
- Haughton, Suzette A and Trevor Smith (2019) Jamaica's Transnational Crime Problems of Drug Trafficking and Money Laundering, in Wendell Wallace eds. *Caribbean Perspective on Criminology and Criminal Justice, Vol. 1*, Westphalia Press, November.
- Haughton, Suzette, Robert Mann and Winston De La Haye (2019) Residents' attitudes toward those who misuse drugs on three attitudinal scales, *Text and Context Nursing Journal*, Vol. 28, pp. 1–11.

- Haughton, Suzette A (2019) Environmental Security and Conflict, In Scott Romaniuk, Manish Thapa and Péter Marton eds *The Palgrave Encyclopedia of Global Security Studies*, Palgrave Macmillian, Cham.
- Haughton, Suzette A (2019) Securitization and De-securitization, In Scott Romaniuk, Manish Thapa and Péter Marton eds *The Palgrave Encyclopedia of Global Security Studies*, Palgrave Macmillian, Cham.
- Haughton, Suzette A (2019) United Nations Office of Drugs and Crime (UNODC), In Scott Romaniuk, Manish Thapa and Péter Marton eds *The Palgrave Encyclopedia of Global Security Studies*, Palgrave Macmillian, Cham.
- Haughton, Suzette A (2019) Global Report on Trafficking in Persons, In Scott Romaniuk, Manish Thapa and Péter Marton eds *The Palgrave Encyclopedia of Global Security Studies*, Palgrave Macmillian, Cham.
- Haughton, Suzette A (2019) State-centric Paradigm, In Scott Romaniuk, Manish Thapa and Péter Marton eds *The Palgrave Encyclopedia of Global Security Studies*, Palgrave Macmillian, Cham.
- Smith, Trevor and Suzette A. Haughton (2019) Drugs and Drug Wars, In Scott Romaniuk, Manish Thapa and Péter Marton eds *The Palgrave Encyclopedia of Global Security Studies*, Palgrave Macmillian, Cham.
- Haughton, Suzette A (2019) United Nations Firearms Protocol, In Scott Romaniuk, Manish Thapa and Péter Marton eds *The Palgrave Encyclopedia of Global Security Studies*, Palgrave Macmillian, Cham.
- Haughton, Suzette A, Trevor Smith and Joakim Berndtsson (2020) Consumer drivers of industry growth and household loyalty to private security firms in Jamaica, *Journal of Contemporary Criminal Justice*, Vol.36 (1), pp. 110-127.
- Murray, Jean-Pierre: "Beyond the 'Women-and-children' Bias in Human Trafficking: A Study of Haitian Migrants in the Dominican Republic." *Oxford Monitor of Forced Migration*, 8(2), (2020), 132-150
- Charles, C.A.D. & Roberts, D. (2019). The impact of the Trump presidency on the Commonwealth Caribbean. *The Round Table*. 108, 203–305.
- Charles, C.A.D. & McLean, S-K. (2019). Cases of murder-suicide among Jamaica Immigrants in the United States. In *Crime and violence in the Caribbean: Lessons from Jamaica*. Sherill V. Morris-Francis, Camille A. Gibson & Lorna E. Grant (ed.)pp.113–132. New York, NY: Lexington Books.
- Charles, C.A.D., Reid, G.S.O. & Albarus, N. (2019). A method for election forecasting. *Sage Methods*. New York, NY: Sage.
- Johnson-Myers, TA. (2019). Negative Media Frames and Female Politicians: A Case Study of Jamaica's First Female Prime Minister, Portia Simpson-Miller. *Social Politics: International Studies in Gender, State & Society*

- Murray, J. (2019). Article on the Windrush scandal which appeared in the quarterly publication of the Caribbean Migration and Social Development think tank, OBMICA, with which he is an associate researcher.
- Murray, J. (2019). “El Escándalo Windrush: Herencia Colonial Se Tropieza con Control Inmigratorio del Siglo 21.” *OBMICA* 9(4), (2019), 4–5.
- Campbell, Y. and Wheatle, S. (2019) Contradictions in Faith in the Caribbean Context: Postcolonialism, Religion and the Constitution, Commonwealth and Comparative Politics.
- Wheatle, S. and Campbell, Y. (2019) Constitutional Faith and Identity in the Caribbean: Tradition, Politics and the Creolisation of Caribbean Constitutional Law. Commonwealth and Comparative Politics.

ALIGNMENT

PUBLIC SERVICE

During the 2019/2020 academic year:

- Eris Schoburgh attended the Maurice Facey Lecture Series: The Cost of Chaos – Planning for a Resilient Metropolis. Jamaica Conference Centre, October 10, 2019. She also made a presentation to Councillors and Mayors on Community Development Strategies at the Versailles Hotel, November 7, 2019. Professor Schoburgh further reviewed book proposal – The Many Faces of Domestic Violence for Palgrave/Springer Received Teaching Award from CETL. In 2019 Eris reviewed article – *Co-producing the diverse economy: a multi-actor social innovation fostering grassroots cooperativism and empowerment in a macrocampamento* for International Development Planning Review.
- Suzette Haughton continued to serve on Jamaica’s national quality assurance body – the University Council of Jamaica (UCJ).
- Lloyd Waller sat on several Boards, Commissions and Committees, which included:
 - e-Gov Jamaica Ltd – Board Chairman
 - Fair Trading Commission – Commissioner
 - Broadcasting Commission – Commissioner
 - Jamaica National Commission on UNESCO – Commissioner
 - Students’ Loan Bureau – Board Member
 - Global Tourism Resilience and Crisis Management Centre – Director

Professor Lloyd Waller is a member of the COVID-19 Caribbean Tourism Task Force, which comprises the Caribbean Tourism Organisation, Global Tourism Resilience and Crisis Management Center and the Caribbean Public Health Agency. This task force is responsible for monitoring and evaluating the impact of COVID-19 on the Caribbean's Tourism Product and to develop recovery strategies for the sector.

AGILITY

INCOME GENERATION

During the 2019–2020 academic year, DGOV was the recipient of several grants from international donor partners, GoJ agencies and ministries and private sector companies. The following are a list of agencies that the DGOV received grant funding from:

- VU-LAPOP 2008 Demo Values Survey
- USDOS-Anti Corruption Research
- GoJ-MoT Tourism Demand Study 2
- MECJC-Concept Note Development Report
- USDOS-Anti Corruption Table Discussion
- ECD-Develop CBS Model ECD Services
- MOT-Develop GIS Health/Wellness Ja
- IDB-Correctional Serv Inmate Survey
- EU-Consol Access & Alternvtv Justice
- PCJ-Job Satisfaction Survey
- MNS-Rehab & Reinteg Ret Migrants
- PICA-Customer Satisfaction Survey
- TEF-Tourism Demand Study 2
- TEF-National Herbacuetical Project
- PCJ-EEC Awareness Survey
- TA-Understanding Road Transportation
- SU-Cannabis Sustainable Development
- TEF-Human Resource Demand Study
- TEF-Soci-Econ Value Ja Tourism TLN.

DEPARTMENT OF SOCIOLOGY, PSYCHOLOGY AND SOCIAL WORK

Dr. Orville Taylor, PhD (Sociology), FIU – Head of Department



WORK OF THE DEPARTMENT

COVID 19

The Department of Sociology, Psychology and Social Work undertook from the early stages of the corona pandemic, and before the University instructed, flexibility in work hours for those with underlying conditions. At the direction of the Head, Dr Orville Taylor, individuals who had any underlying illnesses were advised to stay home or take leave to safeguard their health.

Much of the adjustment relied on research and which the Head had carried out on behalf of the International Labour Organization, which formed the basis for the 2014 Flexitime legislation in Jamaica.

The COVID-19 crisis led to the cessation of all face to face classes in adherence to the social distancing protocols and other restrictions in place. As a result, Semester 2 was extended for a further four (4) weeks and the courses were delivered using online platforms. All Units continued to perform their duties despite the COVID 19 related challenges.

The HRD Unit spent July focusing on student recruitment. The Unit coordinates self-financing programmes and so it is particularly vulnerable to the potential downturn in student numbers because of the current COVID-19 pandemic. Therefore, they spent a great deal of time persuading and helping members of the public to apply and then navigate The UWT's graduate application process. While final numbers have not been gleaned they believe that they now have a viable Cohort of new students to begin classes in September with the start of the next academic year.

For the Social Work Unit, with respect to practicum a decision was taken that where a student has completed at least 85% of the required hours, the practicum coordinator will sign off that the student has met the requirements (approved by Association of Schools of Social Work, of which the social work programme is a member). However, where a student has completed less than 85% of their requirement then an off-site

alternative field activity will be determined to ensure that the educational competencies are met.

These are a few of the highlights of the Unit.

- Provided support to the COVID-19-Emergency Management Team Subcommittee for Psychosocial Wellness, an initiative coming out of The Office of the Principal & Vice Principal to provide psychosocial support to the UWI community.

Ms Latibeaudiere was the representative on the Subcommittee of MOHW Advisory Committee on COVID-19- Vulnerable Groups in an advisory capacity on community coordination at the invitation of the Chair, Associate Dean Marina Ramkissoon. She developed a case study and a community engagement implementation plan highlighting how the state and non-state actors can work in partnership with communities in drafting a coordinated response to COVID19. She also presented the plan to the Minister of Health & Wellness and his team. Mrs Aldene Shillingford, Ms Sandra Latibeaudiere and Mr Joseph Millwood, assisted the collaboration effort of four communities, namely Bull Bay 7, 8 and 9 Miles, Woodford, and Mavis Bank in East Rural St. Andrew, and Mountpelier in St. Thomas between April and June 2020, to assist their need to establish health stations to share information on COVID-19 and to prevent community spread of the virus.

Mrs Aldene Shillingford facilitated discussions with the Food For the Poor (FFP) organization to develop a partnership with the Social Work Unit. The FFP which is known for its provision of welfare aid to the poor and vulnerable, is presently seeking this partnership to undertake more development work with communities. Prior to the launch of a formal partnership with the Department of Sociology, Psychology and Social Work, to assist the community of Zion in Trelawny to manage its development needs, six staff members of the FFP audited a module on Participatory Research delivered under the SOWK 3009 Community Organization course. The onset of COVID-19 however, has stalled continued work with this community and with the FFP which hopefully will resume in the very near future.

SOCIAL WORK UNIT

The Academic Year 2019/20 for the Social Work Unit was both interesting and trying however the staff as usual were up to the challenge. The support staff Ms Tameka Claudius (whose responsibilities include graduate matters) and Ms. Tesi Scott (whose responsibilities include undergraduate matters) as usual worked tirelessly and pro-actively to ensure the administrative processes and deadlines were met. Mrs. Arna Elliott-Ratray continued to serve as the Undergraduate Unit Coordinator and Mrs. Kimberly Hinds-Heron continued in her role as Practicum Coordinator with the added responsibility of Graduate Coordination. Two new lecturers joined the Social Work Unit in August 2019, Dr. Tracie Rogers who was given a three-year contract

and Dr. Crawford-Brown continued training counselling professionals via an online Seminar Series which started in March, on the Principles of Tele-Counselling in partnership with the Ministry of Health, North East Regional Health Authority in May 2020. The seminars allowed for inter-disciplinary collaboration and discussion and included case presentations from Clinical Psychologists and a behavioural specialist who joined the series from Trinidad and Tobago.

Dr. Sharon McKenzie in September 2019 has committed to assist the Unit as a visiting lecturer (without remuneration) for a period of one-year. Joint leadership of the Unit continued to be undertaken by Mrs. Aldene Shillingford and Miss Sandra Latibeaudiere.

RESEARCH INVOLVEMENT AND ACTIVITIES

In the Sociology Unit, Dr Priestley conducted a Research Study exploring the relationship between “Adverse Childhood Experiences (ACEs), Psychosocial Factors, Coping Strategies and Help-Seeking Behaviours, and the Prevalence of Intimate Partner Violence (IPV) among Jamaican Women – This was approved by UWI Ethics Committee in November 2019.

EXTERNAL COLLABORATION

Dr. Barnett whilst in Ghana Africa, had a meeting with the Dean for the Centre of International Education at the University of Cape Coast, (UCC), Ghana to initiate a Memorandum of Understanding between the University of Cape Coast and the Department of Sociology, Psychology and Social Work, at the Mona campus of the University of the West Indies. The wider goal was to prepare the ground for student and faculty exchanges between the two departments. In this regard faculty here at the UWI Mona Campus could develop firm research networks with Faculty at the University of Cape Coast, whilst the students at UWI, Mona Campus could get to experience Ghana, Africa, first hand, while the students at the University of the Cape Coast could get to experience Jamaica first hand. The MOU has yet to be signed by senior management at both campuses, but negotiations are well on their way.

ACADEMIC ACHIEVEMENT AND STAFF DEVELOPMENT

Dr Caryl James had an article published in the *Jamaica Gleaner* on “The Psychological Effects of Living with Covid-19: How to work through those emotions”: Health, *Jamaica Gleaner*. May 27, 2020. She also made the following contributions to International Media:

1. **James Bateman**, C (2020). Body dissatisfaction among Jamaican adolescents. <https://membershare.iaedp.com/category/international-memberspotlight/>

2. **James Bateman**, C (2019). Relationship with time: International Member Spotlight. <https://membershare.iaedp.com/category/international-memberspotlight/>

Dr Michael Barnett has been publishing articles in the Jamaica Observer and Jamaica Gleaner respectively. He also had an article Trench Town: “A Birthplace of Popular Music in Jamaica” published in *Jamaica, Jamaica*, a catalogue prepared for the 2020 Exhibition on Jamaican National Music that is at the National Gallery of Jamaica throughout the year of 2020.

In July 2019, Dr McFarlane attended for professional development British Psychological Society Seminar Series (#3). University of West England, Bristol on “Exploring the potential of creative and arts-based methods for applied psychological research.”.

CONFERENCE, WORKSHOP AND SEMINAR PARTICIPATION

- Dr Orville Beckford, Michael Barnett and Orville Taylor attended The Association of Black Sociologists (ABS) conference in New York , August 6–9, 2019 in New York.
- During the COVID 19 pandemic Dr Beckford was appointed as CAPE Sociology Presenter for the MOEYI/TVJ series “Schools Not Out” March–June 2020. He was also the Principal Sociology Presenter for the Faculty of Humanities and Education CAPE workshop.
- Mauro, R., Scelzo, A., **James Bateman**, C and Sofin, A (2020). International Chapter Chair Webinar: Covid-19 and Eating Disorders, Challenges and Strategies
- Edwards-Gayfield, P., **James Bateman**, C., Coker Ross, C (2019). Multicultural Perspectives: The Impact of Colorism, Microaggressions and Trauma. The Renfrew Center for Eating Disorders Conference. Philadelphia, USA (November 8, 2019)

Ms Latibeaudiere attended the Ageing in America Conference, American Society on Ageing, in Atlanta in May 2020, where she had two Posters accepted on:

- Disability, social exclusion and health disparities in older adults: social work intervention
- Jamaican college students' understanding of population aging and the implications for care-giving in the future

Dr Laura Jan Obermuller throughout 2019 successfully organized exhibitions and seminars on behalf of the Department. One of the major seminars for 2019 was the Edward Phillip George Seaga' Seminar and Exhibition held at The UWI Regional Headquarters, Kingston.

Ms Leemoy Weaver attended the: MMIRA & JSMMR 5th Asia Regional Mixed Methods Regional Conference “Mixed Methods Research for Understanding and Accommodating the World of Complexity” Hamamatsu, Japan (Sept 14th–16th, 2019) and

The University of the West Indies, School for Graduate Studies and Research Four-day Prosuite Training Workshop (May 18, 2020; May 20, 2020; May 25, 2020 & May 27, 2020) facilitated by Dr. Normand Péladeau (Online)

AWARDS

- Michael Gordon was an honoree for long service for 15 years of dedication and contribution to the University.

CHANGES TO COORDINATORS

Dr. Rose Johnson continues as the Psychology Unit Coordinator and Dr Gillian Mason replaces Dr Tracy McFarlane as Applied Psychology Coordinator.

SCHOOL VISITS

Dr Orville Taylor and Dr Orville Beckford were involved in a number of activities directed at recruiting students and representing the University. Along with other lecturers, they visited high schools across the country as part of the larger outreach activities of the University.

Dr Beckford continued the UWI thrust of ensuring that high school students are properly prepared for CAPE subjects that are pre-requisites for programmes in the Faculty of Social Sciences. Workshops were held for CAPE subjects which include Sociology, Management of Business (MOB), and Caribbean Studies Marathon: Focus on Chapters (41 slides, 55 participants)

ACCESS

STUDENTS

Dr Gordon was the External Examiner for an M.Sc. Dissertation, University of Pretoria, South Africa for two undergraduate courses at the St Augustine Campus, UWI.

Dr Beckford supervised (2) PhD students one in the Department of Government (part of a supervisory team); the other student, Ms Corent McDonald, in the Department of Sociology, Psychology and Social Work (the HRD section).

Mrs. Corent McDonald defended her dissertation successfully on Thursday, 9 July 2020. Mrs. McDonald is the fifth student to graduate from the PhD Organisational Behaviour programme. Mrs. McDonald's advisory team comprised Mr Clement

Branche, Dr Hilary Robertson-Hickling, Dr Orville Beckford and Dr. Sandra Chadwick-Parkes. Mrs. McDonald is currently working on her final corrections and hopes to be able to graduate in November.

PUBLICATIONS

Books and Monographs

- **Anderson, M.** & MacLeod, E. (eds.) *Beyond Homophobia: Centering LGBT experiences in the Anglophone Caribbean*. Mona: The UWI Press, 2020.
- **Gayle, H.** and P. Bryan. Published December, 2019. *Males and Tertiary Education*. Kingston: University of the West Indies Press. 308 pages.

Refereed Book Chapter

- **Anderson, M.** “Bring it Cross’? Sexuality and ‘Passing’ in Jamaica.” in *Gender Variances and Sexual Diversity in the Caribbean: Perspectives, Histories and Experiences*. ed. by Marjan De Bruin and R. Anthony Lewis. Mona: The UWI Press, 2020, 98–118.
- **Gordon, D.** 2019. “Thinking through Fieldwork Encounters in Brazil: Critical Reflections and Future Pathways.” In *Decolonizing Qualitative Approaches in the Caribbean*, edited by Saran Stewart (Series Title: Innovations in Qualitative Research), Information Age Publishing Inc.
- **James Bateman, C** & Harrison A. “Father Hunger? Engaging Fathers in The Eating Disorder Recovery Process: A Developing Country’s Perspective”. in *Treating Black Women with Eating Disorders. A Clinician’s Guide*. ed. by Charlynn Small and Mazella Fuller. Routledge, Taylor & Francis, 2020, 75–86.
- Pearce-Dunbar, V & **James Bateman, C.** “Evolution of the fluffy ideal in Jamaica”, in *Treating Black Women with Eating Disorders. A Clinician’s Guide*. ed. by Charlynn Small and Mazella Fuller. Routledge, Taylor & Francis, 2020, 194–202.
- **Obermuller, L.** and Wardle, Huon. 2019. ‘Windrush generation’ and ‘hostile environment’: Symbols and lived experiences in Caribbean migration to the U.K. *Migration and Society*.

Refereed Journal Articles

- Thomas, F. C., **Bowie, J.A.**, Hill, L., & Taknint, J. T. (August, 2019). Growth-promoting supervision: Reflections from women of color psychology trainees. *Training and Education in Professional Psychology*, 13(3), 167–173 <http://dx.doi.org/10.1037/tep0000244>

- Shebuski, K., **Bowie, J.**, & Ashby, J. (April, 2020). Self-compassion, trait resilience, and trauma exposure in undergraduate college students. *Journal of College Counselling*, 23(1), 2–14. <https://doi.org/10.1002/jocc.12145>
- Ricketts, C., Compte, E., **James Bateman, C** and Bateman, A. Psychometric evaluation of the Drive for Muscularity Scale among Weightlifters in Jamaica. *Eating and Weight Disorders – Studies on Anorexia, Bulimia and Obesity*. (2020).
- Harrison, A., **James Bateman, C.**, Younger-Coleman, N, Williams, M., Roke, K., ClatoDay-Scarlett, S and Chang, S. Disordered eating behaviours and attitudes among adolescents in a middle-income country. *Eating and Weight Disorders-Studies on Anorexia, Bulimia and Obesity* (2019): 1–11.
- **James C.**, Powell, A., Seixas, A., Bateman, A., Pengpid, S and Peltzer, P. Exploring the psychometric properties of the CES-D and its practicality in detecting depressive symptomologies in a multicultural sample. *International Journal of Psychology* 55, 3, (2019): 435–445
- **S.R. Priestley**, and Lee, K. 2019. Understanding IPV perpetration among young Jamaican men: The role of socialization and attitudinal variables, *Journal of Interpersonal Violence*, 2019 Jun 13:0886260519854553 Impact Factor = 2.443.
- **Devonish, J.** and **S.R. Priestley**, 2019. The correlates of sexual initiation in young Jamaican women, *Social and Economic Studies*, 68 (1&2) 117–146. Impact Factor not available.
- **Shillingford, A.**, Nicola Williams, Lita Allen. (2020). A storm called Erika. In the *Journal of Service-Learning in Higher Education*, Vol. 10, January 2020, University of Louisiana, Lafayette, USA. pp 12–28.
- Cook, L.D., Moore, S., Haynes-Brown, T., McCalla, R., Thwaites, K., **Weaver, L**, Williams, C., Weaver, S., & McCarthy Curvin, A. (2019). A methodological review of mixed methods research studies from selected journals in the Caribbean. *IJMMRA* 11(3) 1–21. <https://doi.org/10.29034/ijmra.v11n3a3>
- **Williams, N.**, Shillingford, A., Lita Allen. (2020). A storm called Erika. In the *Journal of Service-Learning in Higher Education*, Vol. 10, January 2020, University of Louisiana, Lafayette, USA. pp 12–28

Technical Reports

- **Ramkissoon, M.**, (2020). National Productivity Organizations: Repositioning for Relevance and Impact. Report commissioned by the International Labour Organization.
- **Rogers, Tracy.** (July 2020). Rompe el Silencio' (Break the Silence) Spanish-Language Facilitators Toolkit and Resource Manual – Addressing Child Sexual Abuse and Reproductive Health with Migrant Populations in Guyana and Trinidad

& Tobago. Institute for Gender and Development Studies, UWI, St Augustine. Manual Compiled by Nadine Lewis-Agard, Greisy Carolina Gonzalez Laguna, Omattie Madray, Tracie Rogers, Tisha Nickenig, Deborah McFee, Gabrielle Hosein, Rhoda Reddock. (100 pages)

- **Taylor, O.** (2020) Gaps in Labour Legislation Regarding the Employment of Industrial Security Guards in Jamaica, Ministry of Labour and Social Security

ALIGNMENT

A number of academics were part of the national Covid 19 Response. Marina Ramkissoon and Sandra Latibeaudiere were part of the Ministry of Health and Wellness Task Force. Dr Beckford conducted a series of CSEC and CAPE lectures on TVJ for the Ministry of Education.

Dr Taylor was/is part of the RJR/Gleaner Communication Group campaign to inform and uplift the nation. He is currently making recommendation to the Jamaican Government regarding gaps in labour laws and has presented to the Jamaican Parliament on the Occupational Health and Safety Bill. There is a section of the Bill based on his research that addresses chronic and stigmatized diseases

A number of colleagues conducted seminars, webinars and workshops.

PAPERS PRESENTED

- **Anderson, M.** “Whose knowledge? Reading Jamaican textbooks”. 3rd Biennial Conference of the African Studies Association of Africa, Nairobi, Kenya, October 24-26, 2020 (Oral presentation, 9 pages).
- **Barnett, Michael.** “Moving Towards a Global African Reparations Initiative.” At the PanaFest Pan-African Conference held at the University of Cape Coast, Ghana, July 30, 2019. (11 pages)
- August 8–10, 2019 – Attended the 49th Annual Association of Black Sociologists Conference, Manhattan, New York. Paper presented: “The Black Power Movement and the Legacy of Black Protest in the U.S. and Jamaica” (14 pages)
- October 11–12, 2019 –Attended the Cheik Anta Diop Conference, Philadelphia. Paper presented: Kemetiic Rastology: A New Brand of Rastafari. [8 pages] accompanied by a Power-Point Presentation consisting of 12 Slides.
- November 5–10, 2019 – ASWAD 10th Annual Biennial Conference, Williamsburg, Virginia – marking the Four Hundredth Anniversary of the Origins of Chattel Slavery in the United States. Paper presented: “The Role Played by Rastafari as Part of the Broader Reparations Movement.” (10 pages)

- **Bowie Dean, J.** (July, 2020). Rape Myth Acceptance – A Brief Overview and Clinical Implications for Practitioners. Chapter accepted for presentation at Gender Dimensions of Violence Prevention Seminar, The University of the West Indies, Kingston, Jamaica.
- **Bowie Dean, J.** (July, 2020). The Psychological Impact of Child Sexual Abuse. Invited speaker at the Paediatric Association of Jamaica's Mini-Symposium: Behind Closed Doors – Sexual Abuse of our Children. Kingston, Jamaica.
- **Elliott-Rattray, A.**, Panelist, paper presented on “Impact of the COVID 19 pandemic on Social Work as a Practice based Profession. UWI, Social Work Webinar.
- **Gayle, H.** (August, 2019). From Slavery to Violence and Gender Crisis in Jamaica. Universal Negro Improvement Association Annual Seminar. Liberty Hall, Kingston, Jamaica (Oral presentation – 53 slides)
- **Gayle, H.** (September, 2019). Murder-suicide among Families of Security Forces in the Caribbean. Caribbean Junior Command and Staff Course Seminar. Moneague Training Camp, Jamaica (Oral presentation – 45 slides).
- **Gayle, H.** (November, 2019). Community Safety as a Partnership. Jamaica Constabulary Force and Jamaica Neighbourhood Watch. HEARTNTA, Ebony Park, Clarendon (Oral presentation).
- **Gayle, H.** (November, 2019). Adolescent Pregnancy: The Father factor. Women Centre of Jamaica Foundation Seminar. UWI Regional Headquarters (Oral presentation – 36 slides).
- **Gayle, H.** (November, 2019). Violent Crime in Jamaica: 10 Basics and their Implications. Northern Caribbean University Seminar Series (Oral presentation 33 slides).
- **Gayle, H.** (December, 2019). At-risk Youth in Jamaica: A Way Forward. Heart/NTA Seminar on Youth Development (Oral presentation – 39 slides)
- **Gayle, H.** (January, 2020). Cost of Violence to Social and Economic Production. Human Resource Development Seminar. Social Sciences Lecture Theatre (Oral presentation – 28 slides).
- **Gayle, H.** (May, 2020). Raising Caribbean Youth in Canada. Toronto Circuit of SDA
- **Gayle, H.** (June, 2020). Ontological Security and Youth Violence in Jamaica. Jamaica Defence Force Seminar on Violent Crime and national Security (Online presentation – 24 slides).
- **McFarlane, T.A.** (2020, June). Chairperson. Resilience and Health. Panel discussion at the Inaugural Resilient Policies for National Development (RESPOND) Virtual Symposium of the Caribbean Military Academy. (oral presentation)

- **McFarlane, T. A.** (2019, September). "Issues in Caribbean Psychology: Ethics and Professional Practice: Incorporating UNODC Education for justice Modules". In W. O'Brian (Chair), *Transforming Higher Education for the future through strengthened cooperation between academia and the United Nations*. Symposium conducted at the annual conference of the European Society of Criminology, Ghent, Belgium
- **Ramkissoon, M.** (July 30, 2020). "What motivates employees: Before, during and after Covid-19". Western Jamaica Campus Seminar Series, Webinar, July 30, 2020 (15 pages).
- **Rose, G.** (2019, March). Presenter- Navigating the social media highway: Raising socially smart children and adolescents. The Paediatric Association of Jamaica 22nd International Biennial Conference. Spanish Court Conference Centre Worthington Avenue. Kingston Jamaica.(oral presentation)
- **Rogers, Tracie** (2020) "Decolonizing awareness in the Negation of Complex Trauma: Reframing our Understanding of 'Resistance' in psychotherapy" *Decolonizing Madness: The Resolution of Complex Trauma* The 5th Annual Global Mental Health Conference. UWI, Mona (12 pages)
- **Rogers, Tracie and Hunte, Jason** (2019). *The Colour of Stigma in the Dragon's Mouth: Navigating Stigma and Mental Health through Arts-based Research*. The Arts: Interc-cultural and Cross Cultural Exchanges: Rex Nettleford Arts Conference 2019. Edna Manley College of the Visual and Performing Arts. (15 pages)
- **Rogers, Tracie and Hunte, Jason** (October 9–11, 2019). "Why you wanna fly: Mental Health and Stigma through Photography – An Exhibition" The Arts: Interc-cultural and Cross Cultural Exchanges: Rex Nettleford Arts Conference 2019. Edna Manley College of the Visual and Performing Arts, (Photovoice Research Exhibition)
- **Rogers, T.** (July 21, 2020) "Implications of Structural Violence, Invisibility and Racism for Mental Health Practitioners" Blacks Lives Matters Roundtable: Psychology for Social Justice University of Sydney, Australia. (Online Seminar)
- **Rogers, T.** (June 26, 2020). "Advanced Data Analysis Skills in Qualitative Research" For Social Work Discipline, School of Applied Social Sciences, University of KwaZulu Natal, Durban, South Africa. Two-Hour Online Workshop, June 26, 2020 (Design and implementation)
- **Rogers, T.** (June 17th 2020) Presentation: "Am I the only one feeling like this?: Micro and Macro level Implications of Traumatic Stress" Stress and Coping in the midst of COVID-19 Series – Department of Government, Sociology, Social Work and Psychology, Faculty of Social Sciences UWI, Cave Hill Campus. June 17th 2020 (Online Seminar)

- Shetty, G., Onyefulu, C., Weaver, S., Chambers, S., & Weaver, L. “Helping students to cope with post-traumatic stress symptoms: A teacher intervention.” 10th Annual National Health Research Conference “Wellness Now: Embracing Change Together” Jamaica Conference Centre, Kingston, Jamaica (November 21–22, 2019) (Poster presentation)
- Weaver, L., Weaver, S., Paul, T. “Using a mixed methods approach to examine student nurses’ knowledge and attitudes on child abuse and neglect in Jamaica” MMIRA & JSMMR 5th Regional Mixed Methods Regional Conference. Hamamatsu, Japan (Sept 14th–16th, 2019) (Oral presentation) (54 slides)
- Weaver, L., Cook, L., & Weaver, S. (September 15, 2019). Mixed Methods Workshop “Basic Designs in Mixed Methods Research for Beginners” Hamamatsu, Japan (35 slides)
- Kamalodeen, V., Haynes-Brown, T., Weaver, L., & Cook, L.D. (July 22, 2020). Webinar presentation on “Development and Growth of the MMIRA-CC: Building Capacity through Collaboration” at the MMIRA July 22, 2020 Global Webinar

PUBLIC SERVICE

Elliott-Rattray, Arna

- Assessor, University Council of Jamaica.
- Trainer
- Ministry of labour and Social Security, i) Self-care and its relevance. ii) Effective report writing skills

Barnett, Michael

- National Council on Reparations- (Under the Jurisdiction of the Ministry of Culture, Gender, Entertainment and Sports), July 2019

Beckford, Orville

- Member, the Board of Eltham High School and Chairman of the Board’s Academic Committee.
- Appointed as CAPE Sociology Presenter for the MOEYI/TVJ series “Schools Not Out” March–June 2020
- Chairman, Council of Community Colleges of Jamaica

Bowie Dean, J.

- Committee Member – The University Council of Jamaica – Graduate Standards for Psychology.

Burns, Shawna

- January 2020 – Present
- Edu-Drama Coordinator, ‘Inaction to Action Project’, National Housing Trust - Phase 2 A programme geared towards the sensitization of the Riverton City Dump and how it affects the surrounding communities and environs.
- Facilitator, Equality Youth Jamaica - Helpline Training for the LGTQ+ Population. A workshop geared towards training of counsellors for the Call In Helpline Service for the LGBTQ+ community in Jamaica.
- Panel Presenter for ‘The Caribbean Webinar Series No. 3. The Impact of COVID-19 on Gender and Education’. UNESCO Caribbean/ CARICOM.
- Panelist for Interviews of Education Officer- Guidance Counselling (Region One) & Social Worker (Region One) Ministry of Education, Youth and Information, Jamaica.

Gayle, Herbert

- Commissioner. National Commission on Violence Prevention.
- Board Member. Children First Agency.
- Chairman. Fathers Incorporated.
- Gleaner Viewpoints columnist.
- Meeting with Ministry of National Security to discuss the value of social intervention – December 2019.

Hinds-Heron, Kimberley

- Board Member, Salvation Army School for the Blind and Visually Impaired
- External Examiner, Northern Caribbean University, Department of Behavioural and Social Sciences, Social Work Programme
- External Examiner, the Council of Community Colleges of Jamaica
- Member, Family Life Ministries – For The Children, Foster Parent Training Committee

James, Caryl

- Chair, Jamaica International Chapter – International Association for Eating Disorders Professionals (IAEDP) 2019–present
- African American Eating Disorder Professionals and People of Colour (AAEDP-POC)
- Honorary Consultant Department of Child and Adolescent Health Faculty of Medical Sciences (2011–present). The University of the West Indies Hospital

Latibeaudiere, Sandra

- PSOJ Advisory Committee and the PSOJ's Logistics Subcommittee.
- Representative on the Subcommittee of MOHW Advisory Committee on COVID-19

McFarlane, Tracy

- Ongoing Consultant/Assessor, University Council of Jamaica
- Ongoing Consultant, Support Group for Teen Moms, Kingston Technical High School.

Priestley, Sharon

- Member of the Census 2022 Technical Oversight Committee
- Co-Chair of the 2020 Reproductive Health Survey Technical Committee
- Member of the Population Thematic Working Group of the PIOJ developing the revised population policy and plan of action for Jamaica
- Member of the Adolescent Reproductive Health Policy Working Group of the Ministry of Health
- Reviewer of Population Chapter for the PIOJ's *Economic and Social Survey*, 2019
- Member of the Ministry of Justice Ethics Committee

Ramkissoon, Marina

- Productivity Ambassador, Jamaica Productivity Center, tripartite organization of the Government of Jamaica
- Member, Advisory Committee on COVID-19, Ministry of Health and Wellness, Jamaica (March 2020–present)

Taylor, Orville

- Member National Commission on Parliamentary Dress Code
- Resource Personnel Sprintec Track Club
- Patron Taylor House, St Patrick's Primary
- Host Hotline on RJR94FM
- Gleaner Columnist

Weaver, Leemoy

- Member of the Board of Directors & Treasurer of the Mixed Methods International Research Association – Caribbean Chapter (MMIRA-CC) [2019–2020]
- Editorial Board Membership – *Caribbean Journal of Mixed Methods Research* (CJMMR)

Rogers, Tracy

- Public Service Announcement on Intimate Partner Violence and Vulnerability during COVID-19 Coalition Against Domestic Violence (Trinidad & Tobago) and UNFPA (Television (Eastern Caribbean) and Social Media Broadcast May 2020 ongoing)
- TriniGoodMedia – Radio Segment Discussion “Implications of COVID-19 on Friendships, Intimate Partner, Familial and Work Relationships”. Air date June 18, 2020
- Activism during the COVID-19 Pandemic: Supporting Vulnerable populations, Coping, and Self-Care for Activists. Three-Hour workshop for Women's Empowerment for Change Jamaica. May 24, 2020
- Guest Speaker – Panel discussion: UWI Guild Mental Health Awareness Session Instagram Live – UWI, Mona May 2020
- A Hero's Journey: Expressive Arts and Narrative Therapy Healing Workshop. Edna Manley College of the Visual and Performing Arts Thursday, February 13, 2020
- Joint-Editor, Caribbean Journal of Social Work December 2019 – ongoing
- Healing the Past: Moving beyond Pain. Mental Health Awareness Day – Edna Manley College of the Visual and Performing Arts November 21, 2019. Co-facilitated with Shawna-Kae Burns

AGILITY**INCOME GENERATION****Research Grants**

- Dr McFarlane May 2020 “Coping with Covid-19-Related Stress: Enhancing Team Resilience” Jamaica Money Market Brokers, Kgn, Ja Webinar to Marketing Team (12 participants; 2 hours).
- Feb 2019–June 2020. “Review of psychosocial support services in the national response to HIV-AIDS”. Ministry of Health & Wellness, Jamaica

MONA SCHOOL OF BUSINESS AND MANAGEMENT

Dr David McBean, BSc Hon., D.Phil Engineering Sciences, *Univ. of Oxford*
– Executive Director



WORK OF THE DEPARTMENT/SCHOOL

This report is a synopsis of the Mona School of Business and Management's (MSBM's) accomplishments for the 2019/2020 academic year. The following pages detail the works of our faculty who continue to provide outreach & service to the community, and conduct research to pass on new knowledge, both to our students, to enhance their learning experience, and to the wider community, to aid in the discovery of new principles and ways of working.

The year was marked by the onset of a once in a century global pandemic and the impact has been far reaching. Like the rest of the University, we had to quickly pivot to an online mode within a month, and completed semester two and all of semester three, including final assessments in a virtual mode. To ensure that our lecturers and administrative staff were fully equipped to deliver, they were trained in remote/online course delivery, using Blackboard Collaborate (BBC) and Zoom tools.

As a School, our priority has been to safeguard our staff and students and we implemented several measures to ensure that was done.

In light of the challenges caused as a result of the pandemic, we have had to develop and implement new ways of thinking and acting to respond to the unfolding needs both of our primary community of students as well as corporate Jamaica. In that regard, we were able to pivot and implement several changes to the way that we do business and proactively introduce new initiatives. The following are some of these areas:

- Developed a COVID-19 webpage to provide relevant and well needed resources to our current and prospective students and other stakeholders.
- Organized in collaboration with Bill Express to facilitate online credit card payments for both degree and professional development programmes.
- Implemented online registration for Professional Development Programmes.

- Converted several Professional Development Programmes to online offerings.
- Developed The MSBM Business Review Media Series – a series of podcasts and webinars featuring insightful, thought-provoking and forward-thinking conversations and presentations was launched with the aim to provide a forum for a discussion on major trends and developments in business, both local and international.
- Developed the MSBM E-Zine to provide the navigational tools business leaders and managers need to identify and manage risks and seize opportunities to reposition their firms not just to survive but to grow and thrive in the ‘new normal’.

The effort of the team is to be commended as despite the personal and professional stresses, all members committed themselves to the task of delivering the services of the School. I would therefore like to place on record, my sincere thanks to the members of the Boards and our faculty and staff whose continued interest and support have been significant towards the progress that we have made.

The year ahead will be particularly challenging as the economic effects of the Pandemic affect our students and clients and we will have to be judicious in our management of our resources. Despite the crisis we are faced with, Mona School of Business and Management stands by its mission to advance learning, create knowledge and foster innovation and will continue to deliver an excellent experience for our students.

ACCESS

STUDENTS

The negative effects of the pandemic started in the midst of the 2nd semester, and as a result some of the activities for the advertising campaign for new graduate students for the 2020/2021 school year, were suspended and a focus on “low hanging fruits” followed. Prospects whose applications were incomplete and leads from the social media campaign as well as the School’s database, were pursued via email reminders and telephone calls. Prior to the onset of the pandemic, an integrated marketing campaign was executed to include both traditional and non-traditional media. Despite the curtailment of some activities, total applications increased compared to last year and there was high interest shown by applicants on the status of their applications.

A focus on student development – especially given the uncertain times - was welcome by the students. Several fora and programmes, specifically for the enrichment and development of our students, were held:

- “Breakdown or Breakthrough” on May 28, 2020 – geared towards promising entrepreneurs;
- The Vincent HoSang Entrepreneurship Programme (VHEP) series of webinars focussing on topics that will offer value to the students as they attempt to navigate the new normal. The first in the series was held on July 29, 2020 entitled “Entrepreneurial Finance”. Panelists included industry experts and individuals who have experience in the selected areas of focus as well as our own entrepreneurs.
- The MSBM Student Engagement & Enrichment Committee held a seminar for undergraduates on November 21, 2019 on the topic of “How to study for success”.
- The third cohort of the NCB-UWI Agile Lab / Internship Programme was implemented over the period February 10–July 16, 2020, in collaboration with MSBM and the Department of Computing, UWI. Through this programme, 15 final year Computer Science students underwent a customized 16-week experiential Internship programme to fill targeted roles as software developers, customer experience and design experts, data scientists and quality assurance analysts at NCB.

MSBM students continued to make us proud with some of the more significant accomplishments during the reporting period as shown below:

- On November 28, 2019, at the annual FSS Postgraduate Awards Ceremony, 126 MSBM graduates received distinctions in the various programmes, with 46 graduates receiving special Best-In-Programme and Best Concentration Awards. Ms Laurene Augier received a Distinction, the Best Academic Performance MBA Part-time (Mona), Best Performance MBA General Management Concentration, Best MBA Final Paper, as well as the award for Best Overall Academic Performance at MSBM.
- DBA student Mrs Jacqueline Leckie-Johnson successfully defended her thesis in her Oral Examination on December 10, 2019, receiving high commendations for her topic entitled: “Increasing corporate turnaround efficiency: An empirical investigation”.
- A team of MSBM undergraduate students represented The UWI Mona in the second round of the Caribbean Atlantic Islands CFA Research Challenge held at the University of Miami on February 21, 2020. Team members were: Demari McKoy (Management Studies); Mark Lewis (Banking & Finance & Economics); Wayne Reid (Banking & Finance & Economics); and Zara Holmes (Entrepreneurship). Although they did not win, we are proud of their achievement.

PUBLICATIONS

Refereed Journal Articles

- Chevers, D.A. & Grant, G (2019). “Developers’ views on the adoption and benefits of software process improvement programs in Canadian software development firms”. *International Journal of Business Information Systems*, 32 (2), 238–252.
- Haughton, S. A., Smith, T. A., & Berndtsson, J. (2020). “Consumer drivers of industry growth and household loyalty to private security firms in Jamaica”. *Journal of Contemporary Criminal Justice*, 36(1) 110–127 – SAGE Publication.
- Tennant, S.N. & Tracey, M.R. (2019). “Corporate profitability and effective tax rate: the enforcement effect of large taxpayer units”. *Accounting and Business Research*, 49:3, 342-361, DOI:10.1080/00014788.2018.1512398.

Book Chapters

- Chevers, D.A., Mills, A., Duggan, E. & Moore, S. (2019). “A software process improvement model for small firms in developing countries. In *Novel Theories and Applications of Global Information Resource Management*. Ed. By Zuopeng (Justin) Zhang. IGI Publisher, Pages: 34. (DOI: 10.4018/978-1-7998-1786-4. ch003).
- Fumega, S. & McNaughton, M. (2019). “Open data around the World – Latin America and the Caribbean.” In T. Davies, S. Walker, M. Rubinstein, & F. Perini (Eds.), *The State of Open Data: Histories and Horizons*. Cape Town and Ottawa: African Minds and International Development. (ISBN: 9781928331957).
- McNaughton, M. & Rao L. (2019). “Collaborative development of an open knowledge broker for disaster recovery planning.” *Contextualizing Openness: Situating Open Science*. L. Chan, A. Okune, R. Hillyer, D. Alornoz and A. Posada (Eds.), pages 147–166, University of Ottawa Press. (ISBN 9780776626666).
- McNaughton, M., Rao, L. and Verma, S. (2020), “Building smart communities for sustainable development: Community tourism in Treasure Beach Jamaica”, *Worldwide Hospitality and Tourism Themes*, Vol. 12 No. 3, 2020. pp. 337–352. Emerald Publishing Limited. DOI 10.1108/WHATT-02-2020-0008
- Smith T.A., Charles C.A.D. (2020). “Residential security: Gated communities”. In: Shapiro L., Maras MH. (Eds) *Encyclopedia of Security and Emergency Management*. Springer, Cham. DOI: https://doi.org/10.1007/978-3-319-69891-5_231-1
- Smith T.A. (2020). “Investigations: Consumer retail shoplifting”. In: Shapiro L., Maras MH. (Eds) *Encyclopedia of Security and Emergency Management*. Springer, Cham. DOI: https://doi.org/10.1007/978-3-319-69891-5_172-1

Book

- **Rao-Graham, L., McNaughton, M. L., & Mansingh, G. (2019).** *“Business intelligence for Small and Medium-sized Enterprises: An agile roadmap toward business sustainability”*. CRC Press, Taylor and Francis Group, ISBN 13:978-1-138-58421-1.
- **Minto-Coy, I.D. & Elo, M. (2019).** *“Diaspora networks in international business: Perspectives for understanding and managing diaspora business and resources”*. Springer International Publishing, ISBN 978-3-319-91094-9.

Business Report

- **Rao-Graham L., Russell S., and McNaughton, M. (2020).** “Big data: Capabilities, attitudes & value opportunities”. A Business Survey Report. June 2020.

Non-Refereed Presentations

- Minto-Coy, I.D. (2019). Served as Chair at the Opening Ceremony for the National Social Enterprise Forum, Speaker: Dr Wayne Henry, Director-General PIOJ, Terra Nova Hotel, Kingston, October 24, 2019.
- Minto-Coy, I.D. (2019). Served as Chair at the Opening Ceremony for the National Social Enterprise Forum, Main Speaker: Hon Floyd Green, State Minister, MICA, Mandeville Hotel, November 13, 2019.
- Robertson Hickling, H. (2020). Keynote speaker at the Exhibition “The Enigma of Arrival: The Politics and Poetics of Caribbean Migration to Britain”, at The University of the West Indies Museum, Regional Headquarters Building, on February 7, 2020.
- McNaughton, M. (2020). Chaired the MSBM 5G Public Forum on February 5, 2020. Subsequently participated in a CVM-TV 5G panel discussion, February 14, 2020.
- McNaughton, M. (2020). Presented at the Ministry of National Security (MNS) / Jamaica Defense Force (JDF) inaugural Resilient Policies for National Development (RESPOND) research symposium, on the topic Cyberspace Innovation (for Business), June 24–25, 2020.
- Minto-Coy, I.D. (2020). Moderator (via Zoom) for session titled “Breakdown or Breakthrough”. Presenter: Entrepreneur Omar Anglin, CEO from Anglin Global, May 28, 2020.
- Minto-Coy, I.D. (2020). Session Chair: “Inclusive Education: The Key to Social Transformation” UWI 3rd Biennial Conference on Disabilities, UWI Regional Headquarters, March 10–11, 2020.

- Minto-Coy, I.D. (2020). Delivered Vote of Thanks: “Managing News in the Age of Social Media”, event marking the launch of CARIMAC/MSBM MSc in Media Management, CARIMAC, March 11, 2020.
- Minto-Coy, I.D. (2020). Session Chair: “Inclusive Education: The Key to Social Transformation” UWI 3rd Biennial Conference on Disabilities, UWI Regional Headquarters, March 10–11, 2020.”
- Smith, T. (2020). Presented: “Compulsive buying, the role of consumer personality and self-regulation with strategies for marketers”, at MSBM Brown Bag Research Seminar, February 13, 2020.
- McNaughton, M. (2020). Presented at the Ministry of National Security (MNS) / Jamaica Defence Force (JDF) inaugural Resilient Policies for National Development (RESPOND) research symposium, on the topic Cyberspace Innovation (for Business), June 24–25, 2020.

ALIGNMENT

MSBM continues to support its faculty research efforts through the hosting of Brown Bag Research Seminars for faculty to facilitate an exchange of ideas, to present their research and get feedback from their peers. These were held on October 10, 2019; November 14, 2019; and February 13, 2020. Faculty research papers were presented at the following conferences:

PAPERS /ABSTRACTS PRESENTED – REFEREED CONFERENCES

- McNaughton, M.L. (2020). Presented the paper “Smart communities, smarter people: The case of a pilot project in Jamaica” (virtual delivery via Zoom) at the Academy of Business Research Spring 2020 Conference in New Orleans, March 25–27, 2020.
- Rashford, T. (2019). Presented "Exploring the effect of bureaucracy on digital transformation in higher education", at the Clute International Conference on Education –Technology Track (ICTE), in Orlando, Florida, USA, December 29, 2019–January 2, 2020.

FACULTY AWARDS

Members of the MSBM faculty were recognized and received awards (for their contributions to academic research), and grants (to enable them to conduct further research):

Awards

- Dr Delroy Chevers was awarded the FSS Vice Chancellor's Award for Outstanding Teaching.
- Ms Tenneil Rashford was awarded the Best Presentation Award in Session206 (Higher Education for the presentation entitled: “Exploring the effect of bureaucracy on digital transformation in higher education”, at the Clute International Conference on Education – Technology Track (ICTE), December 29, 2019–January 2, 2020 in Orlando, Florida, USA.

PROGRAMME RANKINGS

Seven MSBM Graduate Programmes ranked among top Masters Programmes in Latin America The following Mona School of Business and Management Graduate Programmes are included in the Eduniversal Best Masters & MBA Ranking 2019: Master of Business Administration – Part Time, Master of Business Administration – Full Time, Master of Science in Accounting, Computer Based Management Information System (CBMIS), Enterprise Risk Management, Master in Business Management, MSc Marketing and Data Analytics, MSc in Procurement Management. Headquartered in Paris, Eduniversal is a global ranking and rating agency specializing in higher education. The Company has established strong expertise in evaluating academic institutions and programmes in France since 1994, and internationally since 2007.

PUBLIC SERVICE

As part of its advocacy role to the nation, the School hosted several free webinars, podcasts and public fora on topical issues. Speakers and special guest presenters were experts in the subject matter and provided pertinent and thoughtful insight into issues. Some of the events are listed below:

- Business Review Media Series – a series of podcasts and webinars, with topics such as “Getting back to business: The effects of COVID-19 on education and business and strategies for the way forward” on June 11, 2020; “Local & international supply chain & logistics in COVID times” on June 18, 2020.
- Public Fora – “Mergers and Acquisitions” – October 30, 2019; “For Better or Worse? The Pros and Cons of 5G” – February 5, 2020; and “Corporate strategies to thrive and strive in any economic condition” – July 23, 2020.
- The first edition of the online *MSBM E-Zine* was launched in July 2020, as a response to the current pandemic (which has resulted in a historic economic slowdown), and to assist our students and corporate Jamaica to develop and implement new ways of thinking and acting. In this environment, we all need the best available information and insight to inform business and personal decisions.

Each issue will feature MSBM faculty and other colleagues at the UWI, who will offer their informed perspectives on a wide range of business topics and concerns executives and policymakers have to grapple with as we navigate the challenges in this dynamic business environment.

In addition, the following is indicative of the public service activities undertaken by MSBM faculty and staff:

Dr Olivene Burke

- Board of Directors, Centre for Leadership and Governance
- Member, Caribbean Area Network for Quality Assurance in Tertiary Education (CANQATE).
- Member, Violence Prevention Alliance
- President, Lions Club of Mona
- Member Advisory Board, JN Bank

Dr Anne Crick

- Director, Board of the JMMB Group of companies and Chair, JMMB Corporate Governance Sub-Committee
- Deputy Chairman, College of Insurance of Professional Studies (CIPS) Board and Chair, Lecturer Evaluations Sub-Committee

Ms Shirley-Ann Eaton

- Re-appointed as member of the Supervisory Committee under the Banking Services Act.

Dr K'Adamawe K'nIfe

- Member, Board of Directors of the National Integrity Action.
- Member, Board of Directors, Ministry of Culture, Gender, Entertainment & Sport
- Partnered with Mona Sofia Services to conduct online training for entrepreneurs in communities – 45 persons participated.
- Supported Digicel foundation 15 strong projects facilitating workshops on campus; included 25 community groups.
- Partnered with Rada and farmers' groups in the Gordon Town extension, Digicel Foundation to donate food to Maxfield Park Children's Home
- Participated in several local and international discussions on way forward for entrepreneurs post COVID-19.

Mrs Vanda Levy-McMillan

- Member, Business & Management Standards Committee, University Council of Jamaica
- Assessor/Accreditation Officer, University Council of Jamaica

Dr David McBean

- Non-Executive Director, Mayberry Investments Limited
- Member, University Hospital of the West Indies (UHWI) Board. He also serves on the Enterprise Risk Management, Procurement and the Strategic Development Committees.
- Board Member, Mona-Tech Engineering Services Limited
- Board Member, Universal Media Company Limited
- Director, Caribbean Policy Research Institute (CAPRI)

Dr Maurice McNaughton

- Member, National ICT Advisory Council (NICTAC)
- Member, Overseas Examination Commission (OEC) & Chair of Operations Committee
- Member, Victoria Mutual Building Society (VMBS) Board
- Chairman of the National Information Systems for Health (NIS4H) Steering Committee.
- Member of the National COVID-19 Research Agenda Committee convened by the Ministry of Health and Wellness (MOHW) in collaboration with STATIN.

Dr Indianna Minto-Coy

- Member, Scientific Committee of the Joint International Conference of CEDIMES, IPAGEF (The Pan-African Institute of Financial and Economic Governance) & Africa Business & Entrepreneurship Research Society, CEDIMES Institute USA, School of Business and Economics, State University of New York, Campus of Plattsburgh.
- Member, Jamaica Stock Exchange (JSE) Best Practices Investor Relations Sub-Committee
- Member, Board of Directors, GraceKennedy Company Limited
- Board Member of Springer Nature Business & Economics Journal
- Bentham Science Ambassador for the Journal Technology Transfer and Entrepreneurship
- Director of GraceKennedy Remittance Services (GKRS)

Dr Lawrence Nicholson

- Chairman, Board for Broadcasting for the RJR-Gleaner Communications Group.
- Deputy Chairman of the Board for the RJR-Gleaner Communications Group – this is the corporate board for the group
- Chairman, Steering Committee of the Poverty Reduction Project (PRP) a European Union-Backed committee
- Co-Chair of the Dominic James Foundation – a foundation established in 2018 to support high school students involved in sports, while balancing academics
- Director of the Honey Bun Foundation (foundation established in 2018 to support the MSME sector, with focus on the Entertainment sector).
- Member of the Sector Committee for Services – a sub-committee of the Public Procurement Commissioner,(PPC).

Mr Michael Roofe

- Director, Kingston Legal Aid Clinic and Chair of Finance Committee.

Dr Trevor Smith

- Chairman, National Conservation Trust Fund of Jamaica (NCTFJ)

Mr Michael Williams

- Member, Jamaica Chamber of Commerce (JCC) Conference Committee Board

AGILITY

STRATEGIC FOCUS

Mr. Howard Mitchell, President of the Private Sector Organisation of Jamaica was appointed Chairman of the Board of Directors, Mona School of Business and Management effective August 1, 2019. Mr. Mitchell is a lawyer by profession and maintained a successful Commercial Law Practice for thirty-five (35) years, with concentrations in Mining Law and Taxation, before retiring in 2010.

INCOME GENERATION

Grants

- Dr Indianna Minto-Coy received a grant for US\$17,000 (shared across 6 Latin American Partners/Co-applicants) for: “Multi-stakeholder post-COVID-19 recovery: How to re-build business and society in Latin America and the Caribbean

in order to avoid a climate crisis” in response to call for funding for research on Sustainable Development Goal (SDG) 13 – Climate Action – and its interaction with other SDGs, with an emphasis on adaptation and resilience, renewable energy and climate services, Funders: Center of Sustainable Development in Latin America (CODS) on SDG 13, Submitted: May 2020.

- The Centre of Excellence (CoE) executed a Memorandum of Understanding (MOU) with Treasure Beach DMO for “Treasure Beach Smart Community project”, a funded initiative under the IDRC Open Data Grant, which involves: (1) Community Mapping: over 160 locations in Treasure Beach mapped by locally trained community youth mappers, to create the digital infrastructure that will underpin the smart applications to be deployed; (2) Data-Driven Smart Community Apps: Treasure Beach digital map, Digital community notice board, and the Tourist “Plan-u-Stay” mobile App; (3) Digital Literacy: A cohort of the CSOD Digital/Data literacy program is being planned for Treasure Beach
- Google Grant – Google.org and the Caribbean Open Institute (COI) have joined forces to help reduce the digital divide in the region. COI partners, MSBM and The SlashRoots Foundation (SRFDN) attracted grant funding and active support from the Google.org for this initiative at the local level (US\$500,000). The Caribbean School of Data (CSOD) will enable the training of at least 1,500 disadvantaged youth in 7 countries across the Caribbean on topics ranging from data literacy to advanced management skills, visualization, integration and data analysis, aligned with the needs of the labour market over a period of two years.

FACULTY OF SPORT

Mona

Year ending July 31, 2020



DR. AKSHAI MANSINGH, JP
MBBS (UWI), FACS, MSpMed (UNSW), DM (Ortho)
DEAN

Dean's Overview

The Faculty of Sport (FSP) entered its third year of existence in 2019–2020 with the strategic objective of full operationalization, development, and income generation.

Programmes: This year saw academic programmes being delivered at all four Academies for the first time. The MPhil/PhD programme started with the first intake of students. New programmes were introduced, and existing programmes expanded. Board approvals were received for the revised MSc Sport Business Management and level 1 of the BSc Sport & Physical Literacy. A certificate in Sport Broadcasting was developed by the Curriculum Committee in the Faculty. The proposal for a BSc Sport Coaching programme specific to Cave Hill was approved by AQAC and is pending approval by the Board for Undergraduate Studies (BUS).

Infrastructure Development and Income Generation: A thorough Business Plan for the Faculty was completed with the aid of a grant from the Caribbean Development Bank (CDB) which will inform commercialization of facilities in the future. Whereas most sporting facilities saw an increase in commercial usage, the COVID-19 pandemic paused all activities. Nonetheless, the Caribbean Premier League accepted our proposal for the use of the St. Augustine cricket facilities as the sole training facility for the entire tournament scheduled for August/September. Training by elite athletes for the Olympics resumed on a limited basis and other elite athletes accessed our facilities as local health conditions and laws permitted.

The partnership with the CDB realized four (4) key components of a project strategically designed to position the faculty and positively impact the Caribbean sporting landscape. The FSP coordinated the execution of a suite of components that informed and strengthened its internal processes in order to provide a roadmap for self-sustenance. Components of the project also created unique opportunities to gifted athletes and “at risk” youth by enabling them to appreciate sport as a tool for development and peace. The feedback was extremely encouraging with clarion calls by participants and key stakeholders for more expanded versions of the same in the future.

Outreach: Whereas academic activities like conferences and face to face workshops were postponed, the Faculty held four regional fora on the impact of the pandemic on sport, as well as a Sport Broadcasting workshop. Both activities will continue during the next academic year.

Faculty members contributed articles for publication in the Sport Matters column of the Guardian newspaper, Trinidad & Tobago. Due to the COVID-19 pandemic, the Faculty sought and received approval from the CDB for special assistance in the form of financial grants for participants of the Community Inclusion Programme and READ project which were components of the UWI/CDB grant. Participants were extremely appreciative of the assistance.

Stakeholder Consultations: Collaboration with the Jamaica Hockey Federation continued. A new partnership was forged with the Jamaica Cricket Association. Delivery of Coaching programmes for Cricket West Indies continued. The Americas Federation of Netball Associations requested delivery of a workshop on Governance and Leadership in July. This will be delivered in the first quarter of 2020/2021. Consultations with many Canadian Universities were successful however execution of proposed plans was halted due to the COVID-19 pandemic. Likewise, collaborative work with the Commonwealth Secretariat through hosting a regional conference was also postponed due to the pandemic.

Human Resource Development: Approval was received from Mona F&GPC of the revised organisational structure of the Mona Academy of Sport. We were therefore able to secure full time appointments for staff members who had previously been on temporary contracts.

Draft structures for the Cave Hill and St. Augustine Academies were submitted to the relevant Campus Principals for approval. This will be pursued to completion in the upcoming year.

ACCESS

Since the acceptance of students into the faculty in 2018/2019, enrolment has grown, and we look forward to our continued growth despite COVID-19. (See table 1).

The Faculty's recruitment efforts included conducting educational sessions at high schools targeting coaches, athletes and students. Staff members also joined in general school tours and recruitment fairs organized by the various campuses.

STUDENT ACHIEVEMENT

As we participated in our second graduation ceremonies, the Faculty was pleased to have twenty-four (24) graduates (undergraduate and postgraduate) from Cave Hill and one (1) postgraduate from Mona. There were six (6) other graduates at Mona from our programmes in Sport Medicine and Sport and Exercise Medicine – Physiotherapy, however they completed their programme under their original registration with the Faculty of Medical Sciences.

Table 1: New Student Enrollment

NEW STUDENT ENROLLMENT							
Programme	Option	2018/2019		2019/2020			
		Cave Hill	Mona	Cave Hill	Mona	Open Campus	St. Augustine
Certificate	Art & Science of Coaching						19
BSc	Sport Sciences	106		122			
	Sport Coaching		14		29	15	
	Sport Kinetics		8		34	19	12
	Sport Leadership & Management					27	
MSc	Sport Sciences	11		17			
	Sports & Exercise Medicine – Physiotherapy		6		10		
	Sports Medicine		5		7		
UWI/FIFA/CIES Diploma	Sports Management		2		5		
MPhil/PhD	Sport				3		
Total		117	35	139	88	61	31
Summary Total by year		152		319			

Twenty-five (25) students of the Cave Hill and Mona Academies of Sport were recognized for achieving the Dean's List for 2019/2020.

Scholarships were offered to 120 athletes at Mona. The first award of the Dr. Tulsi Dyal Singh scholarship at Mona was made to second year Sport Kinetics student Dcvantc Hall. At Cave Hill, 9 undergraduate scholarships were awarded.

TEACHING, LEARNING AND STUDENT DEVELOPMENT

Programme Development

The Certificate in the Art and Science of Coaching programme was fully migrated from the Faculty of Humanities and Education to the St. Augustine Academy of Sport (SAAS) for 2019/2020. This was also the first year of the BSc Sport Kinetics programme at the Academy. The BSc Sport Coaching was not offered due to low enrollment numbers.

2019/2020 was also the first year of student cohorts at the Open Campus Academy of Sport across their three BSc programmes.

Approval of the revised MSc programme in Sport Business Management was received in February and steps were taken to engage persons who had expressed an interest in the programme since the start of the Faculty.

The Board for Undergraduate Studies approved the first year of the BSc Sport and Physical Literacy programme which will be offered through the Open Campus Academy of Sport (OCAS). Following this approval, stakeholders were engaged in a virtual working meeting to address the main comments with regards to the programme alignment to the CAPE Physical Education Syllabus. This resulted in a realignment of courses across years 2 and 3 of the programme. The realigned programme will be presented to BUS next year.

The programme proposal for a BSc in Sport Coaching will be considered by BUS early 2020/2021.

Managing during COVID-19

Following the lockdown as a result of the COVID-19 pandemic, the Faculty moved swiftly with the guidance of the respective Campus Administrations to complete the delivery of the remaining weeks of semester 2 in a fully online capacity. The staff tuned in to webinars and forums online and some members of staff were assigned special projects.

At the Cave Hill Academy, a specific WhatsApp group with the coaches and the Head was formed as a means of communicating any issues relating to student hardship in terms of availability of food and other supplies during the initial lockdown period. Adjustments were made to the UWI Blackbirds cricket program where players were engaged over 6 to 8 weeks with coaches utilizing video footage, educational videos, zoom meetings and virtual 1 v 1 coaching.

Academies engaged student athletes through town hall meetings, webinars, etc. to update them and address their concerns re the pandemic.

Sporting Activities

The Sports activities in all Academies remained at a high level in the first half of the year.

At Cave Hill: The UWI Blackbirds Female Volleyball team won the Barbados Volleyball Association (BVA) League Title 2019.

Six UWI Blackbirds cricketers Kavem Hodge, Keron Cotttoy, Chemar Holder, Joshua

Bishop, Jonathan Carter and Leniko Boucher were selected to represent franchises in the 2019 Caribbean Premier League.

The Sport Science Society which was launched in October 2019, staged a successful, inaugural week of activities. Students participated in outreach and sporting activities.

UWI Blackbirds Masters team reached the semifinals of the G4S masters 2020 tournament.

At St. Augustine: The UWI Women's Cricket Club dominated in the 30-over competition, taking first place in the Trinidad and Tobago Women's Cricket Association Tournament. The ladies were promoted to the Premiership for 2021. The team placed second in the T20 competition.

At Open Campus: Nyoshia Cain-Claxton, former St. Augustine and now Open Campus student athlete won Bronze in the Women's T64 200m at the Parapan American Games, held in Lima. She also won gold in the Women's T64 100m Finals at the same event.

At Mona: An athlete recognition ceremony was held by the Academy on October 25th at the Mona Visitors Lodge. The ceremony was well attended, and recognition was given to athletes, coaches and other support staff associated with the sporting facilities and teams.

The academy hosted the UWI Invitational Track and Field meet on March 11th, 2020. Twenty seven of the 42 schools registered participated in addition to 9 clubs, 4 colleges and 14 individual entries.

Since mid-March no major sporting activities took place due to the COVID-19 pandemic and the subsequent lockdowns.

ALIGNMENT

Publications in peer reviewed journals were through the Mona Academy of Sport. The Faculty also continued a fortnightly column in the Trinidad Guardian Newspaper entitled "*Sport Matters*" to which several faculty members contributed articles. A total of 23 articles were published during the year. Members of faculty also made several conference presentations.

RESEARCH AND INNOVATION

The following peer reviewed articles were published by members of the Faculty:

- Turfus, S., Smith, J., Mansingh, A., Lindo, L., Roopchand-Martin, S. Aug (2019). Supplementation practices, perceptions and knowledge about anti-doping

among Jamaican high school athletes. *Performance Enhancement and Health*, Vol 7, Issue 1–2.

- Facey, A. (2020). “Modifying the Metabolic Dysfunction Criteria to Evaluate Detraining and Increased Health Risk Factors” in *Elite Athletes of West African Descent*. Vol 1, Issue 1 Proceedings of the Canada-Caribbean Research Symposium.

The Faculty started its Research Seminar Series in February with presentations on the rise of eSports in Jamaica. This led to preparatory steps taken for the formation of an eSports Club at Mona for 2020/21.

In May, the three candidates of the MPhil Sport programme of the Mona Academy of Sport made their first seminar presentations as part of the Seminar Series.

NATIONAL ENGAGEMENT

Negotiations for a proposed partnership with the Barbados National Oil Company Limited (BNOL) with the Cave Hill Academy of Sport to install 1 Megawatt solar photovoltaic system on the roof tops of the Usain Bolt Sports facility, 3Ws pavilion and indoor cricket centre started in the final quarter of 2019/2020. Once finalized, BNOCL will cover the entire cost of design and installation and the Campus will benefit from revenue sharing.

- Dr. Roopchand Martin was appointed to serve a term on the National Bioethics Committee for Jamaica.
- Dr. Aldeam Facey continued to serve as a Doping Control Officer at the Jamaica Anti-Doping Commission (2015 to present).

APPOINTMENTS WITH SPORTING BODIES

Members of the Faculty were appointed to Regional or National Sporting Bodies as follows:

- Dr. Dorothy Hudson-Gayle was appointed Chairman of the Intercollegiate Association of Jamaica and was selected as a Working Group Member of the FISU (International University Sports Federation) Committee for the Development of University Sport (CDSU).
- Margaret Cutting, UWI Blackbirds netball coach, was promoted to Barbados Senior National Netball Coach for 2020.
- The Head Coach at Cave Hill, Mr Floyd Reifer was seconded to Cricket West Indies for the year.
- Mrs. Amanda Reifer remained a member of the Cricket Committee of CWI.
- Mr. Mario Davis, the UWI head coach for the Men and Women Basketball teams

at the St. Augustine campus was selected as the head coach for the Trinidad and Tobago National Under-16 Team.

- Ms. Nadia James, Sport Coordinator at the St Augustine Academy of Sport, was appointed Team Manager of the Women's National Under-17 Football Team.
- Dr. Akshai Mansingh remained a non-member (independent) Director of Cricket West Indies. He was also appointed to the Medical Advisory Committee of the International Cricket Council.

OUTREACH

The Faculty conducted four sports fora in May with the first one themed Sports after COVID-19. The others were titled the Effect of COVID 19 on Intercollegiate and High School Sports; COVID-19: Impact on High Performance Sport; and Sports Policy and Governance – Impact of COVID-19. There was participation across the region in the fora. Viewership of the forum videos have ranged from a high of 1,491 to 510; with broadcasting stations re-broadcasting the forums.

The Head OCAS, Mr. Kervin Jean, was a panellist on the Trinidad and Tobago Olympic Committee's webinar on transformational leadership 13th June 2020. The webinar focused on the opportunities for growth and innovation in sport as a result of COVID-19.

The St. Augustine UWI Women Cricket Club, coordinated by Mrs Nadra Dwarika-Baptiste, collaborated with the St Augustine Marketing and Communications to produce a COVID-19 awareness video, "*The Spread Stops with Me*".

Completion of the Pace Like Fire Initiative was delayed due to the pandemic and is expected to resume with the final phase during 2020/2021, provided that there is airlift for non-residents of Barbados from their respective islands. The Cave Hill Academy will continue to monitor and engage players through zoom and other communication mediums to ensure that the cohort is continuing to adopt good practices and techniques across the various areas of engagement.

Open Campus Moves

The Sport Development staff of the OCAS launched the OC Moves initiative, a workout and fitness platform for staff of the Open Campus, in May. The first and evaluatory session was conducted in early June and saw the participation of about 40 staff members. The initiative seeks to raise awareness and improve physical fitness through exercise and physical activity among staff members. Built in mechanisms are also incorporated to track and evaluate staff performance.

The OCAS through the efforts of the Sport Activity Development Officer, Ms. Dayna

Smith launched its monthly publication OC Bien/Well newsletter, an insightful newsletter aimed at increased health awareness and exercise within the Open Campus Community. This was preceded by the Mindfulness Mondays brief, which is a weekly publication geared towards mental health and wellness orientation to members of the Open Campus, stakeholders and students of the OCAS.

Mona Moves

A pilot test phase of the UWI Mona Moves programme was started in July as a low-cost wellness initiative to get the campus exercising. Staff with ID pay \$500.00 per month and their friends or family without ID pay \$1000.00 per month. Basic baseline health data is collected at the Sports Medicine Clinic after which the participants begin a supervised training programme at the Mona Bowl.

Half Marathon

The 16th edition of The UWI SPEC International Half-Marathon, presented by First Citizens, was held on Sunday October 20, 2019 at an earlier start-time of 5:00 am, with a record number of 1,598 persons registering for the race. The race, themed 'A Sound Mind in a Healthy Body', included a 4 x 5K relay element for which seventy-one (71) relay teams registered. The proceeds from the relay element went towards youth development through the offering of athletic scholarships, providing the opportunity for students to achieve both academic excellence and athletic success.

In keeping with The University's strategic objective to promote greater activism and public advocacy (AL1), the Academy was happy to promote and be part of the Ministry of Sport & Youth Affairs' 'Pink Reign Campaign', which was an initiative to encourage women and girls to be physically active. Thirty-three females were sponsored to participate in the half-Marathon through the partnership with the Ministry, creating opportunities to build event- and brand-awareness, and allowing both parties to connect and engage with the wider community while inspiring improvement in one's physical and mental well-being.

Sports Medicine

The Sports Medicine Section at Mona continued to deliver specialized care through the UWI Sports Medicine Clinic to national and regional athletes. An MOU with the Jamaica Cricket Association (JCA) signed on December 4, 2019, entailed the UWI Sports Medicine Clinic providing medical, strength training and conditioning and physiotherapy management of the athletes from the JCA, while the JCA will be upgrading facilities at the UWI Mona Bowl.

AGILITY

REGIONAL AND INTERNATIONAL COLLABORATION

During the year, collaborations were pursued with regional Ministers of Sport and their Permanent Secretaries as well as sport governing bodies in the area of sport policy development, certificate programmes for staff, capacity building for sport professionals and greater integration of sport curricula in schools. However, there was a lag in responses from the various governmental institutions and an alternate approach will be pursued for 2020/21.

Members of the FSP who attended the 1st Interregional Congress of Caribbean Sport Performance Centres, December 3rd and 4th in Guadeloupe, received the congress report, and have had discussions relating to next steps. These highlighted the need for the FSP to assist with developing online/ face to face programs for students and coaches in the Spanish/ French speaking Caribbean. The Cave Hill/ Open Campus Heads have been charged to put a proposal to take to the members of the Congress during the coming year.

Coaching certification

The Faculty successfully conducted four Cricket West Indies (CWI)/UWI Level II Coaching courses across the region. This generated some income for the Faculty.

Sport Broadcasting Workshop

A Sport Broadcasting Workshop held in July was quite successful and participants relayed their satisfaction with both the format and delivery by the facilitators. A total of fourteen (14) persons participated from around the region. A number of proposals were forthcoming, most noteworthy of which was the development of a higher-level certificate course and other spin-off initiatives that would include creation of a live show which would be broadcast via UWI-TV and a partnership with Flow.

FINANCIAL

A project management consultant was engaged for the Usain Bolt UWI Sport & Exercise Medicine Centre, a US\$70,000 project being funded by the Government of Jamaica through the Public Investment Management Committee (PIMC), to prepare a business case and business plan for the proposed centre. Efforts to do final selection of the technical consultant for the said project have been impacted by COVID-19 and general elections in Jamaica.

Plans are underway for the commercialization of the Sport Science Laboratories and the establishment of a Sports Medicine Clinic at the Cave Hill Academy of Sport.

The Cave Hill Academy of Sport reported that Sagicor Financial had renewed its MOU arrangement. Sagicor was extremely pleased with the way donor funds have been utilized to promote research, upgrade facilities, science labs and other critical programs for the purposes of short, medium and long term development of sport including the pursuit of new innovations for the Faculty of Sport. The Academy is expected to receive BDS \$500,000.00 as per the MOU agreement.

STAFF DEVELOPMENT

Mrs. Olivia Rose-Esperance, Sport Psychologist at the Mona Academy, earned her doctoral degree in Sociology, (Concentration: Sociology of Leisure and Sport) from the University of Leicester, United Kingdom.

Mr. Kevin Grant, Operations Manager at the Cave Hill Academy, successfully completed his Doctorate of Business Administration with a focus on leadership and management from Walden University in the USA.

MONA ACADEMY OF SPORT

Dr. Sharmella Roopchand-Martin (DPT, MSc. Rehabilitation Sci. MSc. Biomedical Ethics)
– Head Mona Academy of Sport



WORK OF THE DEPARTMENT

The 2019–2020 academic year was a memorable one for the Mona Academy of Sport. In November 2019, the organizational structure for the Mona Academy of Sport was approved by the Finance and General Purposes Committee at the Mona Campus and this represented a major milestone on our path for sustainable growth and development.

The enrolment in our two undergraduate programmes (Sport Coaching and Sport Kinetics) increased from 22 to 48 students. Semester 1 ran smoothly, however, semester 2 was disrupted by the COVID-19 pandemic resulting in online completion of programmes instead of face to face. All lecturers made a smooth transition to the online delivery format for their courses, however, four students were adversely impacted and requested a leave of absence for semester 2. We continued to provide additional support to our student-athletes during the academic year through mandatory study hall sessions and tutorial support as needed.

The UWI/FIFA/CIES Sport Management Diploma, continued this year with four students. Mona campus students were accommodated in the St. Augustine Classroom. The MSc. Sports Medicine and MSc. Sports and Exercise Medicine continued to run smoothly with delivery through the University's Virtual Learning Platform. The summer practicum was postponed due to COVID-19 and this affected 5 students who were on target for completion by July 2020. The MPhil/ PhD programme got off to a successful start with 3 candidates (2 Jamaicans and 1 Trinidadian). The MSc Sport Business Management with specializations in business management, sport tourism, or community development was approved for the 2020–2021 academic year.

Throughout the 2019–2020 academic year, we continued to build and nurture relationships with external sporting organizations. Through our Sports Medicine Clinic, we continued to provide medical/rehabilitation services as well as strength and conditioning programmes for our National Field Hockey teams. An MOU was signed with the Jamaica Cricket Association to provide medical/rehabilitation services

for the Scorpions during the T20 tournament season and this saw increased revenues for the clinic. The operating hours at the Sports Medicine Clinic increased (5:00am–10:00am) with the introduction of personalized strength and conditioning programmes to increase revenue generation.

Despite continued challenges, our Athletic Development and Training Section continued to ensure excellence from our athletes. At the Intercollegiate level, our male football team placed first and the female team placed 3rd. Both male and female basketball teams copped second place whilst the netball team placed 1st and our B league netball team placed 2nd. The rugby team secured 2nd place in the Rugby Nines New Year's Competition and our male football team retained first place in the Greg Garrell knockout football competition. Competitions for other sports were halted prematurely due to the COVID-19 pandemic. Shamera Sterling- was selected for the national netball team and continues to hold her ranking among the top 5 best defenders in the world. Our swimmers participated in two ISSA swim meets and won as a top intercollegiate team in both. The Mona Academy also had representation at the World Championships by coaches Okeile Stewart, Kerry-Lee Ricketts, and Julian Robinson. Year 1 student Roneisha McGregor copped a silver medal in the 4x4 mixed relay and bronze in the 4x400m relay. Former Scholarship athletes Rushelle Clayton secured a bronze medal, Shenieka Ricketts, a silver and Fedrick Dacres, a silver.

The academy hosted the UWI Invitational Track and Field meet on March 11th, 2020. Twenty-seven of the 42 schools registered participated in addition to 9 clubs, 4 colleges and 14 individual entries. PUMA and Spike industries provided sponsorship for this event.

Staff members engaged in several developmental activities during the year. Five members of staff, Drs. Hunter, Roopchand-Martin, Brown-Calvert, Rose-Esperance, and Mr. Tajay Grant, were funded by Cricket West Indies to attend a 3-day Medical Conference (December 8–10, 2019) in Trinidad and Tobago. Eighteen staff members obtained the Basic First-Aid and CPR certification and four obtained the Heart Saver CPR & AED Training certification. Dr. Hudson-Gayle attended the First Congress of Caribbean High-Performance Sport Centres in Guadeloupe (December 2–4, 2019). Fiona Binns, Conrad Parks, and Shanari Fearon attended the Jamaica Administrative Athletic Association Calendar Conference (November 30th 2019). Fiona Binns, and coaches Jason Dawson and Duane Cunningham completed a Child Protection course. All staff members also attended numerous webinars that were delivered between May and July 2020 including sessions conducted by staff members Fiona Binns, Shanari Fearon, and Conrad Parks.

CONFERENCE PAPERS PRESENTED**Dr. Sharmella Roopchand-Martin**

- June 2020. Chaired and presented in a symposium segment at the World Congress for Bioethics (Virtual Conference) – *Topic – Bioethics in the Caribbean small island developing states.*
- December 8th, 2019. Presenter at Cricket West Indies Medical Conference. *Topic – Integrated Performance Health Management and Coaching Model.*
- December 8th, 2019. Presenter at Cricket West Indies Medical Conference. *Topic – Sleep and its Association with Training, Performance and Recovery*
- September 22nd, 2019. Presenter at the Jamaica Association for Sports Medicine Annual Conference. *Topic – Technology to Drive Wellness Incentives.*
- September 13th, 2019 Invited presenter at the World Sepsis Day Symposium hosted by the Microbiology Department. *Topic – Ethical Dilemmas for the Highly Contagious.*

Dr. Aldeam Facey

- Facey, A. (2020). Modifying the Metabolic Dysfunction Criteria to Evaluate Detraining and Increased Health Risk Factors in Elite Athletes of West African Descent. *Canada-Caribbean Research Symposium.*

Dr. Ruchelle Brown-Calvert

- September 21–22, 2019. Presented at the Jamaica Association for Sports Medicine Biannual Conference, Topic – “*Is Sports Medicine only for Athletes?*”

PEER-REVIEWED PUBLICATIONS

- Turfus, S., Smith, J., Mansingh, A., Lindo, L., **Roopchand-Martin, S.** Aug (2019). Supplementation practices, perceptions and knowledge about anti-doping among Jamaican high school athletes. *Performance Enhancement, and Health*, Vol 7, Issue 1–2.
- **Facey, Aldeam.** (2020). Modifying the Metabolic Dysfunction Criteria to Evaluate Detraining and Increased Health Risk Factors in *Elite Athletes of West African Descent*. Vol 1, Issue 1 Proceedings of the Canada-Caribbean Research Symposium.

NON-REFEREED RESEARCH-BASED / SCHOLARLY PUBLICATIONS

- **Roopchand-Martin, S.** COVID-19, The Environment and Sport. Published in the Sports Matters Column, *Trinidad Guardian*, May 10, 2020.
- **Roopchand-Martin, S.** Keeping Fit in a Constrained Environment published in the Sports Matters Column, *Trinidad Guardian*, April 19, 2020.

- **Roopchand-Martin, S.** Sleep Hygiene for Athletes Part 2 – The Good and the Bad in the Sports Matters Column, *Trinidad Guardian*, February 2, 2020.
- **Roopchand-Martin, S.** Sleep, and sports performance: are you a dove, a lark, or an owl published in the Sports Matters Column, *Trinidad Guardian*, January 19, 2020.
- **Roopchand-Martin, S.** Managing Sports-Related Concussion: Ethical and Legal Matters published in the Sports Matters Column, *Trinidad Guardian*, December 14, 2019.
- Mansingh, A., **Roopchand-Martin, S.** Concussion in Sport part 2 Assessment and Management in the Sports Matters Column, *Trinidad Guardian*, November 30, 2019.
- **Roopchand-Martin, S** – Physical Literacy and Athlete Development in the Sports Matters Column, *Trinidad Guardian*, Sept 14, 2019.
- **Facey, Aldeam.** (2020). Doping in Sport – The history – Part I. Trinidad and Tobago Guardian. Retrieved from <http://www.guardian.co.tt/sports/doping-in-sport-the-history—part-i-6.2.1057084.37787c3753>
- **Facey, Aldeam.** (2020). Doping in Sport Part 2 The sample collection process. Trinidad and Tobago Guardian. Retrieved from <http://www.guardian.co.tt/sports/doping-in-sport-part-2-6.2.1068622.da79ba8d88>
- **Facey, Aldeam.** (2020). Doping in Sport Part 3 Anti-doping rule violations. Trinidad and Tobago Guardian. Retrieved from [Work-related-paper.guardian.co.tt/infinity/article__popover_share.aspx?guid=6b867819-d05e-47ff-af4b-248bc3636e25](http://www.guardian.co.tt/infinity/article__popover_share.aspx?guid=6b867819-d05e-47ff-af4b-248bc3636e25)
- **Fearon, Shanari** (2020). Studying and working as a student in Jamaica. Times Higher Education blog. <https://www.timeshighereducation.com/student/blogs/studying-and-working-student-jamaica>

SPECIAL PRESENTATIONS AND INVITED LECTURES

Dr. Sharmella Roopchand-Martin

- **2019 August 27 – Work-related musculoskeletal disorders** – Training session for the Occupational Health and Safety Team at Jamaica National.

Dr. Ramon Hunter

- September 19, 2019. Conducted a workshop for the Jamaica Association of Sports Medicine. Topic – “*Physical Fitness Assessment*” – *Exercise Prescription and Sports Medicine*
- October 9, 2019. Participated in a panel discussion, “Everyday Woman: Weighing the Scales”

- October 27, 2019 – “First Aid: Limb Injury”, presented to the Jamaica Rugby Union.

Dr. Ruchelle Brown-Calvert

- November 7, 2019 presentation on Supplement use in Athletes to UWI athletes.

Dr. Aldeam Facey

- September 18, 2019. Presenter at a workshop at Jamaica College. *Topic – Doping in Sport.*
- October 11, 2019. Presenter at a workshop at Montego Bay Community College. **Topic – Doping Control – Sample Collection and Processing.**

INCOME GENERATION

Rental of UWI Mona Stadium	JA \$1, 348, 250.00
Rental of UWI Mona Bowl facilities	JA \$1, 428,000.00
UWI Sports Medicine Clinic	JA\$4, 871, 346.00

PUBLIC SERVICE

Dr. Sharmella Roopchand-Martin

- Member of the Jamaica Hockey Federation’s Youth Development Committee
- Member of the Jamaica Committee for Bioethics

Dr. Aldeam Facey

- Doping Control Officer at the Jamaica Anti-Doping Commission 2015 to present

Dr. Ruchelle Brown- Calvert

- Worked alongside Faculty Dean, Dr. Mansingh, as one of the match doctors for the Jamaica leg of the Hero T20 CPL matches at Sabina Park, September 2019.

Dr. Dorothy Hudson-Gayle

- Appointed Chairman of the Intercollegiate Association of Jamaica and was selected as a Working Group Member of the FISU (International University Sports Federation) Committee for the Development of University Sport (CDSU). The main objective and responsibility of CDSU are to examine and submit policies and objectives for the different development areas to the decision of the FISU Executive Committee.

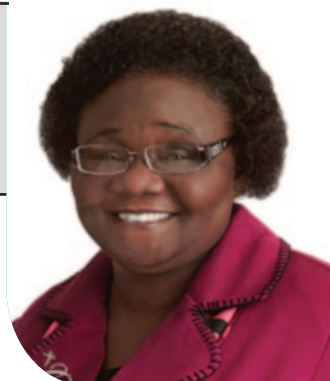
INSTITUTES AND RESEARCH CENTRES

Mona

Year ending July 31, 2020

BIOTECHNOLOGY CENTRE

Professor Helen Asemota, BSc, *Univ. of Benin, Nigeria*, MSc, *Ahmadu Bello University, Nigeria*, PhD, *Univ. of Benin/Frankfurt, Germany* – **Director**



WORK OF THE CENTRE

With the encouraging global ranking of The UWI increasing, the Centre started the 2019/2020 year with great dreams and plans to engage its Triple A strategic plans, with enhanced outreach and collaborative alliances with communities far and near, to further showcase the Centre's key efforts at training MPhil and PhD students as distinctive student, and becoming more local, regional and world-acclaimed. More communities internationally and locally were outreached through research and training. The year started with approval of a USA Patent on "Therapeutic Compositions from Jamaican Bitter Yam and Methods of Making and using same" to Professor Helen Asemota and her former PhD student, Dwayne Stennett in August 2019. At the end of the year, from July 22–31, 2020, the Centre effected a national training workshop entitled "Train the Trainers – Basic Biotechnology Skills Training Workshop to high school teachers.

The Centre also hosted the High School Students' Summer Internship Programme in Biotechnology. Over the internship period, the interns learnt how to use the Centre's laboratory instruments, prepare reagents for protein analysis, conduct DNA extraction and carry out Gel electrophoresis with the guidance of Professor Asemota, Research Group Leader, Research Assistant and postgraduate students' involvement.

Also in the year Professor Gray, Walter Dumas Endowed Professor of Environment Toxicology at the Southern University of Baton Rouge (SUBR), visited the Centre on sabbatical, and through collaboration is now appointed as Honorary Professor to the Biotechnology Centre. He had been collaborating with the Centre since 2016 through an MOU agreement between UWI Mona and SUBR. The Academic Staff and Programmes of the Centre are:

- a. Professor Helen Asemota, Professor of Biochemistry and Molecular Biology is the current Director of the Centre (since 2013). She serves both at the Biotechnology Centre and the Faculty of Medical Sciences and has served both the Faculty of Science & Technology and the Faculty of Medical Sciences' Basic Medical Sciences

Department's Biochemistry Section over the years. She operates two large Research teams consisting of postgraduate students from both Faculties, collaborating in the UWI Yam Biotechnology & Biomedical Research Group, which she has led for over twenty-five years. She was appointed as the Director of the Centre in September 2013.

- b. Professor Paula Tennant, Professor of Virology at the Life Sciences Department of the Faculty of Science & Technology, who also has served the Biotechnology Centre and the Life Sciences Department of FST, who leads the Molecular Virology Research Group of the Centre.
- c. Professor Marcia Roye, who serves as the FST Associate Dean of Graduate Studies and leads the Geminivirus Research Group of the Centre
- d. Dr. Sylvia Mitchell, FST Senior Lecturer, operates the FST Foundation Programme and leads the Medicinal Plants Research Group of the Centre; Prof. Nouredine Benkeblia, Professor at the Life Sciences Department of FST, leads the Tree Crops & Metabolomics Research Group of the Centre.

The Academics collaborate with other researchers locally and globally to drive the research and MPhil & PhD programmes of Study of the Centre, and train both Centre-registered MPhil & PhD students and associate students studying Biotechnology at the Centre from other departments. In order to fulfil teaching requirements for academic advancement, the Centre's Academics (2 of the 5 Academics) who are not employed in other departments, take on teaching assignments in other departments, or within the Faculty of Science and Technology Foundation programmes (which should be at no additional cost to the UWI).

The Support Staff of the Centre in the period were: Mrs. Sonal Gupte (Research Assistant to Professor Asemota), Ms. Deiondra Robinson (Research Assistant to Professor Roye), Mr. Carlton Barrows (Senior Laboratory Technologist), Mrs. Karen Stewart (Senior Administrative Assistant II), Ms. Elizabeth Mills (Yam Project Field Assistant), Mr. Roy Dwyer (Handyman), and Ms. Shernette Banks-Ashman (Laboratory Attendant).

The Centre runs PhD and MPhil Graduate Programmes facilitated by the Academics. An MSc. Programme has also been approved.

ACCESS

STUDENTS OF THE CENTRE

The following twenty two (22) post-graduate students received training at the Centre in the year on PhD or MPhil in Biotechnology degree programmes. They are: Princess

Bell, Nikashae Scott, Lowen Williams, Fabian Miller, Cheryl Green, Nikolai Lutas, Tamara Grant, Vanessa Williams, Chevaughn Witter, Deiondra Robinson, Daniel Perry, Racquel Wright, Julian Bailey, Orville Byfield, Bayode Bamikole, Donella Dawkins, Jordan Freeman, Jesse Clarke, Dwight Lewis, Fabian Miller, Kevon Stewart and Antoni Comrie, Kimberly Foster, Chantal Marriott. Associate PG students of the Centre trained at the Centre in the year, in all or aspects of their research are: Keaton Logan, Melissa Williams, Sasha-Gay Williams and Kenroy Wallace of the Department of Basic Medical Sciences, Sonal Gupte of Chemistry Department; as well Lloyd Johnson, Damion Neath and Aliza Lindo of the Department of Life Sciences. The students were attached to various research groups of the Centre depending on their research Supervisors.

STUDENTS OUTPUT/DEVELOPMENT

- Ms. Chenielle Delahaye (2019) Analysis of antibacterial and antifungal components in tissue culture and wild extracts of *Callistemon viminalis* growing in Jamaica; supervised by SA Mitchell, T. Yee and A Nicholson, AWARDED PhD Biotechnology, FST, UWI, Jamaica, 2019. She has her own essential oil business and is presently Science Programme Manager at the Ministry of Science, Energy and Technology.
- Ms. Racquel Wright, Biotechnology PhD student of Prof. Asemota, successfully defended her thesis on “Analyses of *Moringa Oleifera* Grown in Jamaica for Biomedical Purposes: Nutritional Products Formulations and Oxidative Stress Alleviation” on August 11, 2020. The supervision of Racquel Wright was a collaboration between The Biotechnology Centre, Basic Medical Sciences (Biochemistry Section) and the TMRU (now CAIHR – through collaborative co-supervision of Professor Marvin Reid). The collaboration was extended to the Morehouse School of Medicine, Laboratory of Prof. J. Hibert, where Racquel visited twice on NIH Research Fellowship during her study.
- Ms. Melisa Williams, another PhD student of Prof. Asemota, submitted her PhD thesis titled “Biomagnetic Therapy and the Associated Biochemical and Histological effects in Type 2 Diabetes using Animal Model.”
- Ms. Tamara Grant, MPhil student of Prof Asemota, co-supervised by Dr. Cliff Riley was approved for transfer from MPhil to PhD assessment.
- Ms. Princess Bell, student of Prof. Asemota, co-supervised by Dr. Wayne McLaughlin is also approved for MPhil to PhD assessment.
- Mr. Keaton Logan, a PhD student of Prof. Asemota received an award to support his research study at the Southern University of Baton Rouge from August 2020 to July 2021. Keaton will be conducting experiments within his PhD studies for which facilities are limiting here. He will be hosted by Professor Wesley Gray, our

SUBR collaborator at no extra cost to UWI. We are grateful for UWI Post Graduate School for their assistance.

- Mr. Jordon Freeman, MPhil Biotechnology Student, currently supervised by Dr. Dewayne Stennett and Dr. Roy Porter, placed second in the Poster competition at the 28th Mona Symposium: Natural Products and Medicinal Chemistry held January 6–9, 2020.
- Postgraduate students of Professor Helen Asemota displayed their research posters and talked to the students at St Andrew High School for Girls outreach programme on November 14, 2019.
- • Kimberley Foster and Bamikole Bayode received UWI Postgraduate scholarship for the academic year 2019/2020.

PUBLICATIONS/PATENTS:

Patent

- Stennett Dewayne K.; Asemota Helen N. (2019) Therapeutic Compositions from Jamaican Bitter Yam and Methods of Making and using same. USA Patent number US10369183B2.

Referred Journal Publications

- Francis, R.D., Bahado-Singh P.S., Wheatley A.O., Smith A.M. and Asemota H.N. (2019) Glycemic index of selected foods in Jamaica. *Pharmacovigil and Pharmacoepi* 2: 13–16.
- Thomas L, Tennant P (2019) First report of leaf spot on Cucurbita pepo caused by Fusarium incarnatum-equiseti species complex in Jamaica. *New Disease Reports* 40: 6. Alex Sybron; Dilip K.Rai; Kisan R.Vaidya; Mohammad B. Hossain and Nouredine Benkeblia 2019. Effects of ripening stage on the content and antioxidant capacities of phenolic compounds of arils, seeds and husks of ackee fruit *Blighia sapida* Koenig. *Scientia Horticulturae* Volume 256, 108632. (IF: 2.769)
- Benkeblia, N. 2020. Potato Glycoalkaloids: occurrence, biological activities and extraction for bio valorisation – a review. *International Journal of Food Science and Technology*, 55, 2305– 2313. (IF: 2.77)
- Keaton A Logan, Helen Asemota, Chukwuemeka Nwokocha, Mark A Lawrence, Rory Thompson, Magdalene Nwokocha, Mohammed Bakir. The Effects of Synthesized Semicarbazone Copper Complex on Blood Pressure in Normotensive and L-NAME Induced Hypertensive Rats. *Journal of Biotechnology and Biomedicine* 3 (2020): 67–77.

Book & Book Chapter

- Benkeblia, N. (2020). *Vitamins and Minerals Biofortification of Horticultural Crops*. Wiley & Sons Publisher, Chichester 256 p.
- Benkeblia, N. (2020). Biofortification of Edible Plants: Set the Stage for Better Nutrition. In *Vitamins and Minerals Biofortification of Horticultural Crops*. N. Benkeblia (Ed.). Wiley & Sons Publisher, Chichester, pp. 1–26.
- Benkeblia, N. and Hefferon, K. L. (2020). Modern biotechnologies and mineral biofortification of edible crops. In: *Vitamins and Minerals Biofortification of Horticultural Crops*. N. Benkeblia (Ed.). Wiley & Sons Publisher, Chichester, pp. 45–69.
- Benkeblia, N. and Hefferon, K. L. (2020). Modern biotechnologies and vitamins biofortification of edible crops. In: *Vitamins and Minerals Biofortification of Horticultural Crops*. N. Benkeblia (Ed.). Wiley & Sons Publisher, Chichester, pp. 71–86.
- Benkeblia, N., Pinto E. M. and Vasconcelos, M. (2020). Carotenoids bio fortification of sweet potato. In: *Vitamins and Minerals Biofortification of Horticultural Crops*. N. Benkeblia (Ed.). Wiley & Sons Publisher, Chichester pp. 87–102.
- Mitchell SA, K Kitson-Waters, AA Mitchell (2019) Chapter: Valuing Caribbean biodiversity knowledge. In: *Changing ecosystems and the Services*. IntechOpen. 34 pgs.

ALIGNMENT

PAPERS PRESENTED

- **Mitchell SA**, R Anthony and KC Lindsay (2019) Caribbean folk medicine and biotechnology: The floristic base and the opportunities and challenges of developing saleable products. In Vitro Biology Meeting, Tampa, Florida, June 8–12, 2019. P-3052.
- **Mitchell SA** (2019) new food vs new knowledge: how technology is affecting our health. 8th International Food Safety and Security Conference: Caribbean Preparedness regulatory control. Hosted by the Food Hygiene Bureau, September 24–25, 2019, Jamaica.
- **Mitchell SA** (2020) Caribbean Traditional Medicine (CTM) compared to Ayurveda, the traditional Indian medicine (TIM) and Chinese medicine (TCM) highlighting developmental and sustainable issues. Plant Science Virtual 2020,

Theme: To Exchange Innovations and Emerging Novel Research in Plant Sciences, International Webinar on Plant Science and molecular Biology, Magnus Group.

- **Mitchell SA** (2020) Tropical Plant Ontogeny – the case of the two shoot types of Smilacaceae and Dioscoreaceae. Plant Science Virtual 2020, Theme: To Exchange Innovations and Emerging Novel Research in Plant Sciences, International Webinar on Plant Science and molecular Biology, Magnus Group.

TECHNICAL REPORT/SCIENTIFIC REPORTS/WHITE PAPERS

A Work Programme for the Jamaica-Mexico Bilateral Technical Cooperation Project: “Bioengineering of Yams & other selected Caribbean roots and tuber crops biomaterials for value-chain expansion & pre-commercialization analyses” was sent to Mr. Marlon Roberts, Foreign Service Officer in the Bilateral Relations Department of The Ministry of Foreign Affairs and Foreign Trade. This programme incorporated project related activities that were carried out over the 2017–2018 period and proposed activities for the 2019 Project year. Three post graduate students were scheduled to visit Mexico in April 2020 but due to COVID-19 restrictions this visit has been postponed.

Professor Helen Asemota sent the National Science Foundation BREAD PHENO Yam Project report for Year 3 to the State University of New York, Binghamton on October 30, 2019.

PUBLIC SERVICE

Professor Helen Asemota

- Ordained Minister (Reverend) with the Holiness Christian Church of Jamaica; Chairman of Board – International Centre for Environmental and Nuclear Sciences (ICENS); Member, PSOJ Innovative Committee; Member, NHMIJ Board, JIS; Chairman and Co-Founder, Imade Asemota Foundation for Sickle Cell Research and Patients’ Welfare (IAF), North Carolina, USA; Country Representative, International Measurement Convention (IMEKO) Rep. in Jamaica; STEM Women of Science Concave (SWOC), USA. Founding Member; Conveyor, the 2016 United Nations University Biotechnology Programme for Latin American and Caribbean countries (UNUBIOLAC) Activities; General Co-chair, the 2017 IMEKO TC19 International Symposium in Aguascalientes, Mexico.

Dr. Sylvia Mitchell

- Team Member Reviewing the HEART – NCVET Cannabis Units; Member, Technical Working Group, Cannabis Licensing Authority, 2016 to Present; Member, Health and Wellness Network Committee, Linkages Council, Ministry of Tourism, 2016 to Present; Member, Ginger working group, Ministry of Industry, Commerce, Agriculture and Fisheries, 2017; Member, ABS working

group meeting, MEGJC; Technical Secretary, Bamboo and Indigenous Material Products Standards Technical; Committee (BIMPSTC), Bureau of Standards Jamaica, 2016-2018; Founding Member, Bamboo Industry Association of Jamaica, 2016 to Present; Bureau of Standards Jamaica, Pension Trustee, 2013 to Present; Biology (SIVB), 2009 to Present; Member, Organization for Women in Science for the Developing World (OSWD); Convenor, Working Group, Bamboo Charcoal, TC296, ISO, 2017–2018; Member, Working Group, Bamboo Terminology, TC296, ISO, 2017 to Present; Member of Organising Committee, Caribbean Bamboo Conference in November 2018. Will be presenting a paper on the work done under this project; Convenor of ISO Bamboo standard working group on bamboo charcoal for 2017. Sent document for ISO meeting in Indonesia in 2–24th August, 2017; Co-editor of in Vitro Reports (posted on their website every three months), Society of in Vitro Biology (SIVB), 2009 to Present; Member, Society of in Vitro Biology (SIVB), 2003 to Present; Member, Organization for Women in Science for the Developing World (OSWD); Convenor, Working Group, Bamboo Charcoal, TC296, ISO. Organizer first meeting of the WG1, Indonesia, held August 23, 2017

Professor Marcia Roye

- Member of the Advisory Board of the National Compliance Regulatory Authority of the Bureau of Standards, Jamaica; Volunteer Cape Biology Teacher at Wolmer's Boys' School and St Andrew High School for Girls. Topic: Genetic engineering.

Professor Nouredine Benkeblia

- Scientific Activities Appointed “Associate Editor”, *Canadian Journal of Plant Science*; Member of the Canadian Society of Plant Science International Symposia; Member of the Organizing Committee of the 2nd Asian Horticultural Congress, 26–28 September, 2017, Chengdu, China; Member of the Organizing Committee of the International Conference on Food Technology and Nutritional Science, 26–27 June, 2017, Baltimore, MD, USA.

Professor Paula Tennant

- Professor of Virology in the Department of Life Sciences, Mona; Member, American Psychopathological Society; Member, Caribbean Academy of Sciences, Jamaica Chapter; Member, Jamaica Society of Scientists and Technologists

AGILITY

INCOME GENERATION

Special Projects

- Yam Project received \$37,857.00 USD (Thirty Seven Thousand Eight Hundred and Fifty Seven US Dollars) from NSF through SUNY Binghamton Sub-Award - to be used to pursue additional research with Yam farmers by Project PI, Professor Asemota, along with members of the Yam research group. The project period spanned 2017 to 2020.

OUTREACH

- Two Basic Skills Biotechnology Training Workshops – “Train the Trainers” in collaboration with the UWI-Faculty of Humanity and Education, School of Education and the Caribbean Examination Council (CXC) by Professor Helen Asemota and her group in July 2019 and December 17–19, 2019, respectively. Overall about 36 teachers were trained and this training made an income of \$655,000.00 JMD (Six Hundred and Fifty Five Thousand Dollars).
- The Organic product making workshop was held February 18 to February 20, 2020. This three-day workshop was conducted in collaboration with Dr. Chenielle Delahaye-McKenzie from De la Enzie Essentials. The Workshop Coordinator was Dr. Karla Hylton, Biotechnology Centre. Trichel Oconnor, postgraduate student handled the administration of this workshop. The workshop hosted a total of 20 participants over the 3 days and generated over \$300,000.00 JMD (Three Hundred Thousand Dollars).

The total income for the year reported is USD \$37,857.00 and JMD \$955,000.00. The Balance for the year were USD \$22,000.00 and JMD \$405,000.00.

VISITORS TO THE BIOTECHNOLOGY CENTRE

- Final year undergraduate students pursuing the course Biotechnology I on September 13, 2019 visited the laboratories and were given presentations on research being carried out at the Centre by the various research groups.
- Ms. Courtney Vaughn a Development Economics Investment Banker visited the Biotechnology Centre on January 31, 2020 to discuss with Professor Asemota about possible yam-related investments.
- On February 7, 2020 nine sixth-form students along with a teacher from Quality

Academics spent in excess of two hours at the Biotechnology Centre to learn about its functions.

- Representatives from the Albany State University led by Professor Nneka, Associate Provost, visited the Centre to discuss the visit of their students to UWI Biotechnology Centre in the summer research.
- On February 7, 2020 nine sixth-form students along with a teacher from Quality Academics spent in excess of two hours at the Biotechnology Centre to learn about its functions. They were enlightened to vast opportunities in the field of Biotechnology, many past and current outstanding research work of the Centre as well as some scientific equipment that is being utilized at the Centre. They were engaged by Professor Marcia Roye and her research assistant; Professor Helen Asemota and members of her research team.
- Nineteen (19) students from Jonathan Grant High School, Spanish Town visited the Biotechnology Centre on November 13, 2019 to learn about Tissue Culture. Dr Hylton taught students on Tissue culture procedures. Students from Professor Helen Asemota Lab discussed their research. Professor Asemota addressed the students on laboratory procedures.

WORKSHOPS/EVENTS ATTENDED BY BIOTECH STAFF/STUDENTS

The Convent of Mercy Academy 'Alpha' high school staged a Science fair with the theme: Women in Science on February 14, 2020 on its grounds in Kingston. The Biotechnology Centre was highlighted through a booth display and representation by two female researchers, Ms. Tamara Grant and Ms. Elizabeth Mills along with Mr. Nikolai Lutas and Mr. Lowen Williams. Visitors to the booth learned about the field of Biotechnology and the expanse of research work that is being carried out at the Centre as well as impactful research findings. The students were very receptive to the information they were receiving.

The Biotechnology Centre and Jamaica-Mexico Technical Cooperation Project is collaborating with two Mexican Institutions – Centro de Invesigacion en Alimentacion y Desarrollo (CIAD) & the Univasidad Panamericana (UP) – to stage a series of webinars. The webinars were from June 5 to July 29, 2020 with each lasting 2 hours. The International Webinar series were funded under the Jamaica-Mexico Technical Cooperation by the AMERCID.



THE CARRIBBEAN INSTITUTE FOR HEALTH RESEARCH (CAIHR)

Professor Susan Walker, BSc Bristol, MSc, PhD Lond – Director

SUMMARY

This summary gives a few selected highlights from the Mona units of the Caribbean Institute for Health Research for the year 2019/20.

Access: The CAIHR/Open Campus Postgraduate Diploma in Health Research & Epidemiology was launched, and the first cohort of students enrolled in January 2020. This online programme is targeted at health professionals who need training in research techniques (including proposal development, project planning & execution, analysis and writing) and is provided through a flexible modular approach.

In January 2020 we held a writing workshop for junior and mid-career researchers in which participants gained skills in all the steps in peer-reviewed publication. The workshop was done in partnership with Drs Willi McFarland and Sharlene Jarrett of the Institute for Global Health Sciences/Global Strategic Information, University of California, San Francisco.

Alignment: 2019 marked 20 years since the establishment of the Caribbean Institute for Health Research (CAIHR), formerly the Tropical Medicine Research Institute. A regional entity of the University of the West Indies, CAIHR is the premier medical research Institute in the Caribbean. CAIHR celebrated our 20 years of Global Impact with the staging of its CAIHR at 20 Symposium. The symposium reflected on significant achievements in research in Nutrition, Child Development and Non-communicable Diseases including Sickle Cell Disease. Given the high burden of non-communicable chronic diseases (NCD) in the Caribbean region the symposium also brought together regional and international experts in non-communicable chronic disease research for three thought-provoking symposium workshops. These provided a forum for discussing research strategies to address the non-communicable chronic disease health challenges affecting the Caribbean, other low and middle-income countries (LMIC) and Small-Island Developing States (SIDS). The symposium was

attended by researchers, health professionals and other stakeholders and, with the support of the Wellcome Trust, travel bursaries were provided for 5 mid-career researchers from the Caribbean and Latin America. The Wellcome Trust also hosted a special seminar highlighting opportunities for early career investigators

Through the Global Health Equity Scholars Programme CAIHR (Mona Units) has been approved as a Western Hemisphere site for the Fulbright-Fogarty Fellowship in Public Health - <https://us.fulbrightonline.org/about/types-of-awards/fulbright-fogarty-fellowships-in-public-health>.

Agility: CAIHR continues to identify and obtain external grant funding relevant to our research strategy and regional needs from several international agencies and donors including the US National Institutes of Health (NIH), International atomic energy agency, the UK Global Challenge Research Fund, the Inter-American Development Bank, The Wellcome Trust and several others. These funds are essential to maintain our research productivity and excellence.

ACCESS

STUDENTS

New Course Offering

CAIHR/Open Campus Postgraduate Diploma in Health Research & Epidemiology. The first cohort enrolled January 2020. The course co-ordinators per module are as follows:

- i. Nadia Bennett – Fundamentals of epidemiology
- ii. Shelly McFarlane – Research methods, research ethics and project management
- iii. Natalie Guthrie-Dixon – Principals of epidemiological data management
- iv. Natalie Guthrie-Dixon – Fundamentals of Statistics for health research

Research Fellowships

Vital Strategies Healthy Food Fellowship – Dr. Suzanne Soares-Wynter and Ms Cherie-Ann Small contributed to the establishment of the Vital Strategies Healthy Food Policy Fellowship (2020). This fellowship is open to PhD and LL.M. candidates in Jamaica, Barbados, Brazil, Colombia, Mexico and South Africa, and aims to build the resource capacity of professionals committed to healthy food environments through policy in various fields, including nutrition, health economics, epidemiology, health behaviour and law. Two candidates from CAIHR (Jamaica and Barbados) were

recipients of the Fellowship for 2020. Dr. Suzanne Soares-Wynter was invited as a reviewer of research proposals submitted by applicants of the fellowship.

PUBLICATIONS

Books and Monographs

- Grantham-McGregor S., **Smith J.** (March 2020) “The Effect of Malnutrition and Micronutrient Deficiency on Children’s Mental Health”. In: Taylor E., Verhulst F., Wong J., Yoshida K., Nikapota A. (eds) *Mental Health and Illness of Children and Adolescents. Mental Health and Illness Worldwide*. Springer, Singapore

Refereed Journal Articles

- Martí-Carvajal AJ, Conterno LO, **Knight-Madden J.** “*Antibiotics for treating acute chest syndrome in people with sickle cell disease*”. *Cochrane Database Syst Rev*. 2019 Sep 18; 9(9):CD006110.
- Ruhl AP, Sadreameli SC, Allen JL, Bennett DP, Campbell AD, Coates TD, Diallo DA, Field JJ, Fiorino EK, Gladwin MT, Glassberg JA, Gordeuk VR, Graham LM, Greenough A, Howard J, Kato GJ, **Knight-Madden J**, Kopp BT, Koumbourlis AC, Lanzkron SM, Liem RI, Machado RF, Mehari A, Morris CR, Ogunlesi FO, Rosen CL, Smith-Whitley K, Tauber D, Terry N, Thein SL, Vichinsky E, Weir NA, Cohen RT, Klings ES. “*Identifying Clinical and Research Priorities in Sickle Cell Lung Disease*”. *An Official American Thoracic Society Workshop Report*. *Ann Am Thorac Soc*. 2019 Sep; 16(9):e17-e32.
- Vichinsky E, Hoppe CC, Ataga KI, Ware RE, Nduba V, El-Beshlawy A, Hassab H, Achebe MM, Alkindi S, Brown RC, Diuguid DL, Telfer P, Tsitsikas DA, Elghandour A, Gordeuk VR, Kanter J, Abboud MR, Lehrer-Graiwer J, Tonda M, Intondi A, Tong B, Howard J; HOPE Trial Investigators (**Knight-Madden J.** member of HOPE Trial Investigators). “*A Phase 3 Randomized Trial of Voxelotor in Sickle Cell Disease*”. *N Engl J Med*. 2019 Aug 8;381(6):509–519. doi: 10.1056/NEJMoa1903212.
- **Rankine-Mullings, A.E.**, Logan, T.M., **King, L.**, Cunningham-Myrie C.A., Scott C.R., **Knight-Madden J.** “*The risk of acute events among patients with sickle cell disease in relation to early or late initiation of care at a specialist center: evidence from a retrospective cohort study.*” *BMC Pediatr* **20**, 373 (2020). <https://doi.org/10.1186/s12887-020-02270->
- **Rankine-Mullings AE**, Reid ME, Soares D, **Taylor-Bryan C**, **Wisdom-Phipps M**, Aldred K, Latham T, **Knight-Madden J**, **King L**, **Badaloo A**, Lane A, Adams RJ, Ware RE. “*Hydroxyurea Therapy to Prevent Incident Stroke Among Children*

- with Sickle Cell Anaemia in Jamaica: The Extend Trial.* Blood (2019) 134 (Supplement_1): 2269. <https://doi.org/10.1182/blood-2019-126781>
- Schulze K, Swaminathan S, **Howell S**, Jajoo A, Lie N, Brown O, Sadat R, Hall N, Zhao L, **Marshall K**, May T, Reid M, **Taylor-Bryan C**, Wang X, Belmont J, Guan Y, Manary M, Trehan I, **McKenzie C**, Hanchard N. “*Edematous severe acute malnutrition is characterized by hypomethylation of DNA*”. Nature Communications 2019, 10 (1), 1-13. <https://doi.org/10.1038/s41467-019-13433-6>
 - Campbell E, Irving R, Poudevigne M, Dilworth L, **McFarlane S**, Ismail O, Bailey J(2019): *Contextual factors and sporting success: The relationship between birth date and place of early development on the progression of Jamaican track and field athletes from junior to senior level*. PLoS One. 2019; 14(12): e0227144
 - East J, **Ferguson T**, Newnham M, Titus I, Vickers I, Brown H. “Guidelines on Management of the Patient with Diabetic Foot Infection”. West Indian Med J. 2019; 68 (Suppl. 1): 18-26. DOI: 10.7727/wimj.2018.194 Available at: <https://www.mona.uwi.edu/fms/wimj/article/3902>
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- RD, Guerrero R, Guimaraes AL, Gulliford MC, Gutierrez L, Hambleton IR, Hernandez Cadena L, Herrera VM, Hopman WM, Horimoto ARVR, Hormiga CM, Horta BL, Howitt C, Irazola VE, James K, Jimenez RO, Jiménez-Acosta SM, Joffres M, Kolsteren P, Landrove O, Lazo-Porras M, Lilly CL, Lima-Costa MF, Lopez T, Lotufo PA, Machado-Coelho GLL, Machado-Rodrigues AM, Makdisse M, Margozzini P, Marques LP, Martorell R, Mascarenhas L, Matijasevich A, Mc Donald Posso AJ, **McFarlane SR**, McLean SB, Menezes AMB, Miquel JF, Miranda JJ, Monroy-Valle M, Monterrubio EA, Monterubio Flores E, Moreira LB, Morejon A, Morin SN, Motta J, Neal WA, Nervi F, Nieto-Martínez RE, Noboa OA, Ochoa-Avilés AM, Olinto Anselmo MT, Oliveira IO, Ono LM, Ordunez P, Ortiz APC, Ortiz PJ, Otero JA, Palloni A, Peixoto SV, Pereira AC, Peres MA, Pérez CM, Pichardo RN, Rangel Reina DA, Rascon-Pacheco RA, Revilla L, Ribeiro R, Ritti-Dias RM, Rivera JA, Robitaille C, Rodríguez-Villamizar LA, Rojas-Martinez R, Roy JGR, Rubinstein A, Ruiz-Betancourt BS, Salazar Martinez E, Sánchez-Abanto J, Santos IS, Silva DAS, Sbaraini M, Scazufca M, Schaan BD, Schargrodsky H, Sequera V, Servais J, Silva AM, Soto-Rojas VE, Sparrenberger K, Stein AD, Suárez-Medina R, Szklo M, Tebar WR, Tello T, **Tulloch-Reid MK**, Ueda P, Ugel E, Valdivia G, Velasquez-Melendez G, Verstraeten R, Victora CG, Wanderley Jr RS, Wang M-D, **Wilks RJ**, Wong-McClure RA, **Younger-Coleman NO**, Zapata ME, Zocalo Y, Zuñiga Cisneros J, Danaei G, Stevens GA, Riley LM, Ezzati M, and Di Cesare M. 2020. “Trends in cardiometabolic risk factors in the Americas between 1980 and 2014: a pooled analysis of population-based surveys”. *The Lancet Global Health* 8:e123-e133. 10.1016/S2214-109X(19)30484-X
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- Briker, S. M., Hormenu, T., DuBose, C. W., Mabundo, L. S., Chung, S. T., Ha, J., Sherman, A., **Tulloch-Reid, M. K.**, Bergman, M., & Sumner, A. E. (2020). Metabolic characteristics of Africans with normal glucose tolerance and elevated 1-hour glucose: insight from the Africans in America study. *BMJ open diabetes research & care*, 8(1), e000837. <https://doi.org/10.1136/bmjdr-2019-000837>
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- Thompson DS, Tennant IA, Soares DP, Osmond C, Byrne CD, Forrester TE, Boyne MS. “Nonalcoholic Fatty Liver Disease in Nonobese Subjects of African Origin Has Atypical Metabolic Characteristics”. *Journal of the Endocrine Society*, Volume 3, Issue 11, November 2019, Pages 2051–2063, <https://doi.org/10.1210/js.2019-00138>

Protocol Publication

- Bennett NR, Tulloch-Reid MK, Govia IO, Hambleton I, McKoy-Johnson F, Ferguson TS, Williams A, et al Investigating the relationship between physical activity and social and community networks and social networking platforms/technologies in the Caribbean and Africa: a mixed methods review.: PROSPERO 2020; 2020 [Available from: https://www.crd.york.ac.uk/prospero/display_record.php?ID=CRD42020187503

Technical Reports / Training Manuals

- Evidence for Better Lives Consortium (S, Walker, Consortium member) (2019) Addressing Violence against Children: Mapping the Needs and Resources in Eight Cities across the World. Violence Research Centre, Institute of Criminology, University of Cambridge. © Violence Research Centre, 2019. www.vrc.crim.cam.ac.uk/vrcpublications
- **Chang-Lopez S, Walker SP** Grantham-McGregor SM, Powell CA, (2020) Parent Manual: Activities for children up to age 3 years. Caribbean Institute for Health Research, The University of the West Indies; Social Protection and Health Division, Inter-American Development Bank. © The University of the West Indies, 2020
- **Baker-Henningham H** (2019) The “Irie Classrooms Toolbox’ teacher kit consisting of Irie Classroom Tools book” (ISBN: 978-976-41-0278-6), IRIE Classroom Activities book (ISBN: 978-976-41-0280-9), IRIE Classroom Social Problem-Solving Stories (ISBN: 978-976-41-0282-3), IRIE Classroom Resource book (ISBN: 978-976-41-0279-3). School of Psychology, Bangor University & Caribbean Institute for Health Research, UWI. www.iritoolbox.com
- **Baker-Henningham H**, Hamadani J, Grantham-McGregor S (2019) Reach-Up: Group Parenting Curriculum and Training Manual. School of Psychology, Bangor University & Caribbean Institute for Health Research, UWI.
- **Amour, R.**, Robinson, J. N., & **Govia, I.** (2020). The COVID-19 Long-Term Care Situation in Jamaica. LTCcovid, International Long-Term Care Policy Network, CPEC-LSE, 25 May 2020

ALIGNMENT

PAPERS PRESENTED

- Barton-Gooden, A., **Asnani, M.** Smoking in Jamaican adults with Sickle Disease. 8th Annual Conference. Duke University School of Nursing. “Living Better with Sickle Cell Disease”. September 6–7, 2019.
- Barton-Gooden, A., **Asnani, M.** Smoking and self-management in Sickle Disease. 8th Annual Conference. Duke University School of Nursing. “Living Better with Sickle Cell Disease”. September 6–7, 2019.
- Bulgin D, **Asnani M**, Tanabe P. “The Relationship between Self-Management, Health-Related Quality of Life, and Stigma in Adults with SCD in Jamaica and the United States”. Oral presentation at UWI FMS 28th Annual Research Conference, Kingston, Jamaica. Nov. 6–8, 2019.

- Barton-Gooden A, Noonan D, **Asnani M.** “Validating Smoking in Jamaican Adults with Sickle Cell Disease Using Biochemical Tests”. 10th Annual Ministry of Health & Wellness Conference, Kingston, Jamaica. Nov. 21–22, 2019.
- Malik P, Grimley M, Quinn C, Shova A, Little C, Lutzko C, Loo H, Grassman E, Nordling D, Shreshta A, Felker S, Mehta P, Chandra S, Bushman FD, Kalinyak K, Davies S, **Asnani M.** ARU-1801. “An Investigational Gene Therapy Using A Modified Gamma-Globin Vector And Reduced-Intensity Bone Marrow Conditioning, Shows Promising Correction Of Sickle Cell Disease Pheicnotype”. Oral presentation at Sickle cell Disease Association of America 47th Annual National Convention, October 9–12, 2019, Baltimore, USA.
- **A. Badaloo** “Protein metabolism/requirements in childhood acute malnutrition and possible association with gut permeability: Jamaican experience. Consultancy Meeting: Application of Stable Isotopes to understand the Effect of Environmental Enteric Dysfunction on Protein Metabolism and Health Outcomes. 9–11 September 2019, IAEA Headquarters Vienna, Austria
- **A. Badaloo** Chairperson and presenter of Overview of IAEA sponsored Nutrition Technical Corporation Projects in Jamaica. IAEA Meeting on Nutrition Strategies for the Caribbean Region, Trinidad and Tobago, March 10–12, 2020
- **A. Badaloo** Involvements in IAEA Nutrition technical cooperation Projects. The Interregional training course on use of isotopic techniques for anthropometry, body composition and physical assessments. Mauritius, November 4–8, 2019
- **Ferguson T.**, Sodium and Cardiovascular Disease: Individual and Population Strategies for Reducing Salt Consumption. *Heart Foundation of Jamaica Heart Month Medical Symposium. March 4, 2020, Kingston, Jamaica*
- **Ferguson T.**, Prevalence of Chronic Kidney Disease in Jamaica: National Estimates from the Jamaica Health and Lifestyle Survey 2016-2017. *12th Annual International Conference on Nephrology and Hypertension, January 24–25, 2020, Kingston, Jamaica*
- **Ferguson T.**, Hypertension – What does salt have to do with it? *Association of Consultant Physicians of Jamaica, 17th Annual Symposium, September 1, 2019, Kingston Jamaica.*
- **Gordon-Strachan G.** (2019) “Climate Change and Health Research in the Caribbean.” Launch of the Lancet Commission on Health and Climate Change. December 2019. Cave Hill, Barbados.
- **Gordon-Strachan G.** (June 5, 2020). Theme: “COVID and the Environment for Better or Worse. Presentation: The Ideal Environment for COVID-19 to Thrive”. World Environment Day Live Mini Conference hosted by the Faculty of Life Sciences, University of the West Indies Mona. <https://www.youtube.com/uwimonamedia>.

- **Hammond-Gabbadon C.**, Blake A, Knight Madden J. “Chikungunya in Sickle Cell Disease, Self-Reported and Physician Diagnosed Cases in Out-patients attending the Sickle Cell Unit”. MOH Research Conference: November 2019. (Poster).
- Abar, A., **Knight-Madden J.**, **Asnani M.** “Determining Factors Affecting Age of Clinical Registration in Infants with Sickle Cell Disease in Kingston, Jamaica”; Ministry of Health and Wellness National Health Research Conference, ; 21/11/19, Kingston, Jamaica. (Oral)
- Palmer W, Fray D, **Knight-Madden J.**, Ameerally A. “The Epidemiology of Osteomyelitis in the Sickle Cell Population of Jamaica”. Ministry of Health and Wellness National Health Research Conference, 21/11/19, Kingston, Jamaica. (Oral)
- **McFarlane S.**, Panelist for Roundtable on Lab Sector & Vaccines & Drugs & Clinical Trials (Challenges & Opportunities) – FACEBOOK Live, June 16, 2020, Health Pillar-Institute of Caribbean Studies
- **McFarlane S.**, Guest lecturer – University of Miami Research seminars – “The Informed Consent Process’ May 14, 2020.
- **Rankine-Mullings AE, Reid ME, Soares D, Taylor-Bryan C, Wisdom-Phipps M, Aldred K, Latham T, Knight-Madden J, King L, Badaloo A, Lane A, Adams RJ, Ware RE.** “Hydroxyurea Therapy to Prevent Incident Stroke Among Children with Sickle Cell Anaemia in Jamaica: The Extend Trial.” *Blood* (2019) 134 (Supplement_1): 2269. <https://doi.org/10.1182/blood-2019-126781> American Society of Haematology (ASH) 2019, Orlando, Florida, December 06–10, 2019
- **Soares-Wynter S.** “Nutrition and COVID-19 – Implications for family doctors: personal, at home, and in practice.” *Caribbean College of Family Physicians, World Family Doctor Day*. Venue: Alhambra Hotel, Kingston Jamaica. May 2020.
- **Soares-Wynter S.** “Nutrition Policy – a prescription for health.” *Caribbean College of Family Physicians Conference*. Venue: Caribbean Institute for Health Research, The UWI, Kingston, Jamaica. February 2020.
- **Soares-Wynter S.** “Update on the JAMBAR Kids Study (Jamaica)”. Meeting with the Ministry of Health and Wellness, Jamaica (Permanent Secretary and Staff). Online via Zoom platform (May 2020)
- **Soares-Wynter S.** “JAMBAR Kids Update – Nutritional status and dental health of Jamaican primary school children.” *Obesity Prevention Programme Jamaica - Strategic Planning Meeting Global Health Advocacy Program. Jamaica (January 2020)*
- **Soares-Wynter S.** “Barbados school environment audit and nutrient profile models.” *Obesity Prevention Strategic Planning Meeting. (At the Heart & Stroke Foundation of Barbados (October 2019)).*

- **Thompson D.** “Metabolic Profiles of Adult Survivors of Severe Acute Malnutrition”, Commonwealth Association of Pediatric Gastroenterology and Nutrition (CAPGAN) Conference, Peter Gilgan Centre for Research and Learning, Toronto, Canada, October 1–3, 2019.
- **Tulloch-Reid M** “New Therapeutic Options in Diabetes Management” at the Joint 86th UWI – BAMP / 12th Caribbean Endocrine Society CME Conference, Lloyd Erskine-Sandiford Centre, Barbados, November 2019.
- **Walker S.** Early interventions for violence prevention. Violence Prevention Alliance Forum, Kingston, Jamaica, January 22, 2020.
- **Walker S.** Impact on services to support early childhood development and potential consequences. The new Reach Up package for parents during the pandemic. IDB webinar “The high cost of COVID-19 for children: how much human capital will be lost? June 15, 2020.
- **Walker S.** Overview of Reach Up and Learn: an early childhood parenting program. UNICEF/ECDAN webinar “COVID-19 & Parent and Caregiver Support in Emergencies” June 30, 2020
- **Wilks R, Palmer T, Govia I, McFarlane S,** (CONTACT Study- Jamaica) “Jamaican Churches and the Primary Care Pathway: Can They Work Together?” Global Health Symposium, November 5–12, 2019, Imperial College, London, UK.
- **Williamson, G.** NIH P20 Funded Grant – Centre for Cardiometabolic and Cancer Research in the Caribbean. October 2019, African Caribbean Cancer Consortium Meeting, Kingston, Jamaica.

PUBLIC SERVICE

Marshall Tulloch-Reid

- Treasurer, The Caribbean Endocrine Society
- Member, Essential National Health Research COVID-19 working group, Jamaica Ministry of Health and Wellness
- Committee Member, Caribbean Public Health Agency (CARPHA) Guidelines for the Management of Diabetes in Primary Care in the Caribbean
- CAIHR lead, Global Health Equity Scholars Program
- CAIHR Lead, Fulbright-Fogarty Public Health Fellowship Award
- Editorial Board, Ethnicity and Disease

Susan Walker

- Member, Advisory Board, Caribbean Centre for Health Systems Research and Development

- Member, Advisory Committee on Health Research, Pan American Health Organization

Jennifer Knight-Madden

- Chair, Sickle Cell Trust
- Member, MOHW Sickle Cell Technical Working Group, and Laboratory sub-committee
- Member, Caribbean Network of Researchers in Sickle Cell Disease and Thalassemia
- Member, SickKids Caribbean Initiative Phase 2
- Member, Planning Committee, ATS-sponsored webinar on the topic of “Sickle Cell Lung Disease in the COVID-19 Era”
- Member, Sickle Cell Lung Disease Interest Group (American Thoracic Society)
- Member, Medical Facilities Technical Committee, Bureau of Standards Jamaica
- Member, National Institutes of Health (NIH) Data Safety Monitoring Committee, Sickle Cell Africa Clinical Trial (SCACT-REACH)
- Member, National Institutes of Health (NIH) Data Safety Monitoring Committee, Enhancing Preventive Therapy of Malaria in Children with Sickle Cell Anemia in East Africa (EPiTOMISE)

Trevor Ferguson

- 2nd Vice President, Association of Consultant Physicians of Jamaica
- Member, Essential National Health Research COVID-19 working group, Jamaica Ministry of Health and Wellness

Georgiana Gordon-Strachan

- Member, Essential National Health Research Committee (ENHRC), Ministry of Health and Wellness, Government of Jamaica
- Member, Essential National Health Research Committee Sub-Committee on National Health Research Policy. Ministry of Health and Wellness, Government of Jamaica
- Chair, ENHRC COVID-19 Health Services Research sub-committee, Ministry of Health and Wellness, Government of Jamaica
- National Vital Statistics Commission, Government of Jamaica
- Member, Youth and Education Board, Diocese of Jamaica and the Cayman Islands
- Member, Mico University Board.

Monika Asnani

- Term Graduate Faculty Appointment. Duke University Graduate School. 2017–2022
- Co-Chair, Caribbean Primary Care Research group (CAPCRG), Caribbean College of Family Physicians. 2015–present
- Caribbean Representative to Worldwide Initiative on Social Studies in Hemoglobinopathies (WiSSH) since 2012.
- Board Member of Caribbean Network of Researchers in Sickle Cell Disease and Thalassemia since 2014
- Member, Global Evidence Synthesis Initiative (GESI) Network of Evidence Synthesis Centers. Since May 2017
- Academic Editor, Plos One Journal. July 2014–present
- Vice-President, Indian Cultural Society in Jamaica. July 2019–July 2020

Carolyn Taylor-Bryan

- Member, National Infant and Young Child Feeding Committee

Ishtar Govia

- Member, Board of Directors, Jamaica Mental Health Advocacy Network
- Member, Board of Directors, Alzheimer's Jamaica
- Member, Spanish Town Hospital Management Committee
- Member, Caribbean Alliance of National Psychological Association's Executive Committee
- Member, Essential National Health Research COVID-19 working group, Jamaica Ministry of Health and Wellness

Suzanne Soares-Wynter

- Member, The Heart Foundation of Jamaica, Board of Directors (June 2018–present) –Medical Sub-Committee Member (June 2020–present)
- Member, Bureau of Standards Jamaica Limited, National Mirror Committee Member (June 2019–present) – Labelling and Technical Committee Member (June 2019–present)
- Member, Jamaica Association of Professionals in Nutrition and Dietetics
- Academy of Nutrition and Dietetics
- Member, Academy of Nutrition and Dietetics – Dietetic Practice Groups (DPG), Research DPG and Sports, Cardiovascular and Wellness Nutrition DPG Weight Management DPG Nutrition Entrepreneurs DPG

Kwesi Marshall

- Chair, National Food Industry Task Force (Jamaica)

Nadia Bennett

- Co-Director, Cochrane Caribbean
- Member, Essential National Health Research COVID-19 working group, Jamaica Ministry of Health and Wellness

Angela Rankine-Mullings

- Member, Jamaica Pain Collaborative

Shelly McFarlane

- Advisory Consultant, National Health Fund “Adherence Committee. A Pharmacist Led Medication Therapy Management (MTM) to Improve Patient Medication Adherence”
- Member, Ministry of Health, Health Research Conference Committee
- Member, University Diabetes Outreach Programme Conference Scientific and Planning Committee

AGILITY

INCOME GENERATION

- **Funding Source:** Inter-American Development Bank, **Title:** Evaluation of processes impact and costs of an evidence-based parenting program at scale in primary health care services **Investigators:** S. Walker, S. Chang-Lopez, J. Smith. **Period of award:** September 2019–December 2021. **Total Value:** USD \$572,574. **2019–2020** – USD \$254,477.33
- **Funding source:** Aruvant Sciences. **Title:** Gene Transfer for Patients with Sickle Cell Disease Using a Gamma Globin Lentivirus Vector: An Open Label Phase I/II Pilot Study. **Investigator:** M. Asnani. **Period of award:** October 2019–2030 **Total Value:** USD \$132,345.94 direct cost + USD \$18,140.72 per patient. **2019–2020** – USD \$98,381.86
- **Funding Source:** UNICEF Jamaica. **Title:** Dissemination of the IRIE Classroom Toolbox. **Investigators:** H. Baker-Henningham, M. Bowers, T. Francis. **Period of award:** July 2019–October 2020. **Total Value:** JMD \$12, 990,000. **2019–2020** - JMD \$5,800,000
- **Funding source:** MEDICANJA. **Title:** A prospective, randomized controlled double blind trial to assess efficacy of adjunctive cannabinoid therapy in managing

pain and symptoms of cancer in patients with malignant cancer. **Period of award:** July 2019 – completion of the study; **Total Value:** JMD \$2,000,000. **2019–2020** – JMD \$234,160 Recruitment curtailed due to COVID restrictions, sponsor has indicated interest to resume when possible. Preliminary Report submitted to sponsor.

- **Funding Source:** Lego Foundation. **Title:** Reach Up Knowledge Generation. **Investigators:** S. Walker, C. Powell, S. Chang-Lopez, J. Smith, J. Hall. **Period of award:** June 2019 – November 2020. **Total Value:** USD \$ 138,342. **2019–2020** - USD \$72,554.45.
- **Funding source:** Foundation Open Society Institute (FOSI). **Title:** Expanding implementation of the Reach Up Early Childhood Parenting programme. **Investigators:** C. Powell, S. Chang-Lopez, S. Walker. **Period of award:** January 2019–December 2021 **Total Value:** USD \$215,070. **2019–2020** – USD \$16,783.00
- **Funding source:** University of North Carolina (Chapel Hill). Sub-Contract Award (5109417) **Title:** “Programme and policy options for preventing obesity in the low- middle- and transitional income countries: background research and program evaluation. **Investigator:** S. Soares-Wynter. **Period of award:** 2017–2021 **Total Award:** USD742,698.00 **2019-2020** – USD 153,979.76
- **Funding source:** Grand Challenges Canada. **Title:** Survive and Thrive in Brazil - The Boa Vista Early Childhood Program. **Investigators:** S. Chang-Lopez and C. Powell. **Period of award:** October 2018–November 2020. **Total Value:** USD 33,869. **2019-2020** USD 16,934.50
- **Funding source:** National Institutes of Health. **Title:** Extending a Caribbean Based Cohort to Promote US-Caribbean Comparisons to Facilitate Research Addressing Black Health Disparities. **Investigator:** Marshall Tulloch-Reid (UWI PI), C. Ragin (PI - Fox Chase). **Period of award:** September 2018–March 2021. **Total Value:** USD 654,246.24 **2019–2020:** USD 327,771
- **Funding source:** Medical Research Council. **Title:** Development and evaluation of an integrated early childhood development and violence prevention teacher-training intervention in Jamaican preschools. **Investigator:** H. Baker-Henningham (PI), S. Walker, M. Vera-Hernandez (Bangor). **Period of award:** August 2018 – December 2019. **Total Value:** GBP £147,305. **2019–2020** - GBP £19,721.20
- **Funding source:** Fondation Botnar. **Title:** Evidence for Better Lives Study - Data Innovation Pilot. **Investigator:** S. Walker (UWI PI). **Period of award:** June 2018 – November 2019. **Total Value:** GBP £42,985. **2019–2020** - GBP £4,042
- **Funding source:** Nova Laboratories. **Title:** A Prospective Open-Label Pharmacokinetic Study of an Oral Hydroxyurea Solution in Children with Sickle Cell Anaemia. **Investigators:** A. Rankine-Mullings (PI), M. Reid, J. Knight Madden, S. Baugh-

- Ranglin. **Period of award:** April 2018 – Completion of the clinical trial. **Total Value:** USD \$260,000. **2019–2020** – USD \$44,328
- **Funding source:** Medical Research Council. **Title:** Historical and epidemiological transitions in urban Caribbean foodscapes; understanding the past to enhance future healthy eating. **Investigator:** Ishtar Govia. **Period of award:** March 2018 – September 2019. **Total Value:** GBP £131,003.41 **2019–2020** - GBP £98,093.41
 - **Funding source:** Cincinnati Children’s Hospital Medical Centre **Title:** Expanding Treatment for Existing Neurological Disease (EXTEND). Protocol 4.2. **Investigators:** M. Reid, J. Knight-Madden, A. Rankine-Mullings. **Period of award:** February 2018–Present. **Total Value:** USD \$125, 000. **2019–2020** – USD \$27,115.00
 - **Funding source:** International Development Research Centre (IDRC). **Title:** Improving Household Nutrition Security and Public Health in the CARICOM. **Investigator:** T. A. Samuels. **Period of award:** January 2018–January 2022. **Total Value:** CAD \$4,000,000. **2019–2020** – CAD \$1,127,900
 - **Funding source:** Economic and Social Research Council. **Title:** Strengthening responses to dementia in developing countries (STRiDE). **Investigator:** Ishtar Govia. **Period of award:** January 2018–December 2021. **Total Value:** GBP £225,422 plus additional amounts for research activities, training & non-staff costs. **2019–2020** – GBP £54,793.75
 - **Funding source:** International Atomic Energy Agency (IAEA). **Title:** Assessment of Risk Factors for Childhood Obesity and the Impact of an Educational Intervention on Infant Feeding, Growth and Body Composition. **Investigator:** C.Taylor-Bryan. **Period of award:** September 2017–August 2022. **Total Value:** €50,000. **2019–2020** - €10,000
 - **Funding source:** National Institutes of Health. **Title:** Planning for a Sustainable and Robust RCRE in the Caribbean. **Investigators:** C. Ragin (Fox Chase PI), M. Tulloch-Reid (UWI PI). **Period of award:** September 2017–August 2020. **Total Value:** USD \$232,619. **2019–2020** – USD \$71,017.50
 - **Funding source:** Global Blood Therapeutics, Inc. **Title:** “A Double-blind, Randomized, Placebo-controlled, Multicenter Study of GBT440 Administered Orally to Patients with Sickle Cell Disease (Study Protocol GBT440-031)” **Investigators:** J. Knight Madden (PI), M. Reid, A. Rankine-Mullings. **Period of award:** August 2017–February 2020. **Total Value:** USD\$30,000. **2019–2020** – USD \$3,334.01
 - **Funding source:** International Atomic Energy Agency. **Title:** The assessment of the prevalence of environmental enteric dysfunction and its relationship with linear growth in urban Jamaican infants. **Investigator:** Sherine Whyte. **Period of award:** July 2017–June 2021 **Total Value:** €35,000. **2019–020** - €8,750

- **Funding source:** NIHR Global Health Research Group. **Title:** To establish a NIHR Group on Global Diet and Activity Research (GDAR). **Investigator:** M. Tulloch-Reid (UWI PI), I. Hambleton, A. Samuels. **Period of award:** June 2017–May 2021. **Total Value:** GBP £185,357.05 2019–2020 – GBP £67,917
- **Funding source:** Cincinnati Children’s Hospital Medical Center (CHMC). **Title:** Gene transfer for patients with Sickle Cell Disease using gamma globin lentivirus vector: An open phase I/II pilot study. **Investigator:** M. Asnani (UWI PI) **Period of award:** November 2016–November 2031. **Total Value:** USD \$74,465.10 2019–2020: USD \$2,416.44
- **Funding source:** Medical Research Council. **Title:** Integrating places of worship into the primary health care pathway to prevent and control NCDs in the Caribbean. **Investigators:** S. Harding (King’s College PI), R. Wilks (UWI PI), S. McFarlane, T. A. Samuels. **Period of award:** April 2016–May 2020. **Total Value:** GBP £132,842. 2019–2020 – GBP £55,192.44

EARTHQUAKE UNIT

Dr. Donovan Campbell, – Head of Unit



INTRODUCTION

Dr. Donovan Campbell was appointed as Head of the Department of Geography & Geology for the period 2019–2022. He replaced Professor Simon Mitchell who completed his second term in the position. Professor Mitchell went on sabbatical leave at the beginning of the academic year but continued to serve the Earthquake Unit in his new role as Technical Director. The Earthquake Unit (EQU) is a research unit annexed to the Department of Geography and Geology at the University of the West Indies, Mona Campus. It is the sole entity responsible for earthquake monitoring and research on the island of Jamaica. It continues to operate the Jamaica Seismograph Network (JSN), Jamaica Strong Motion Accelerograph Network (JSMAN) and a GPS Network. The unit maintains the United States Geological Survey – Global Seismograph Network (USGS-GSN) broadband digital station at Mount Denham in Manchester. As the island's National Data Center (NDC_JM) to the Preparatory Commission for Nuclear Test Ban Treaty Organisation (CTBTO) the unit has access to their Seismic data, Hydro-acoustic data, Infrasound data and Radionuclide data from over 337 monitoring stations within CTBTO's global network of stations.

WORK OF THE UNIT

Since August, 2019, the Earthquake Unit and the Department of Geography and Geology have embarked on a more synergistic approach to outreach resulting in a combined outreach calendar, more collaboration and support to ensure success of both party's outreach activities. This resulted in the DOGG/EQU outreach team being more active at the faculty level.

In the previous academic year (2018–2019) the Earthquake Unit was invited to make presentations at 6 workshops aimed at strengthening the resilience of the tourism sector to earthquakes and tsunamis. The final three workshops covered this reporting period and presentations were made in August and October 2019.

On November 5, 2019 the EQU again partnered with the Office of Disaster

Preparedness and Emergency Management (ODPEM) in observance of World Tsunami Awareness Day with an outside broadcast from the DOGG on NEWS Talk 93 FM radio under the theme “Build to Last”. The discussion interview line-up included UWI professors Simon Mitchell (DOGG) and Mona Webber (Director, Centre for Marine Sciences). External guests included Richard Thompson (Director General Actg., ODPEM) and Lenworth Kelly (President, Incorporated Master Builders Association).

The Portmore Municipal Council (PMC) is closing off the Caribbean Development Bank sponsored **National Disaster Risk Management in the CARIFORUM** project comes to an end in September 2020. The aim was to strengthen disaster risk management (DRM) in Portmore, by updating DRM profile, creating DRM and evacuation plans, with community-based DRM capacitation. The DRM outputs feed into a con-currently developed GIS Hazard-Risk database and management system which be available online all stakeholders to support future planning and development. The EQU played a key role during proposal development and sits on the project steering committee which is chaired by the Ministry of Local Government and Community Development. The PMC and the project steering along with consultants IH Cantabria conducted a successful tsunami drill for the Half Moon Bay (Hellshire Beach) area and used the opportunity to test the PMC’s emergency operations system which included its protocols for evacuating persons with disabilities and the elderly within Hellshire and the wider Portmore community.

In January 2020 the EQU promoted Earthquake Awareness through media interviews and partnerships with the ODPEM and the St. Thomas Municipal Council with earthquake sensitization activities at health centres and schools throughout St. Thomas. On January 16, 2020 supported the Jamaica Property Company Limited (JPC) with its earthquake drill at the PAN JAM Building as observer. The drill involved multiple properties managed by JPC in the New Kingston area. Other supporters of the drill were the ODPEM, Jamaica Constabulary Force, Jamaica Fire Brigade and Ambucare.

Throughout the academic year the unit continued to be active on the relevant disaster risk management committees and supported the Portmore -DRM project and JSIF’s Disaster Risk and Vulnerability Project (DVRP) – Rio Minho Watershed project by reviewing reports and doing proposal evaluations.

The EQU again supported the Planning institute of Jamaica (PIOJ) in its annual Economic and Social Survey Jamaica (ESSJ).

NETWORK

The equipment deployed by the Earthquake Unit perform different functions and are aggregated into networks depending on their function.

JAMAICA SEISMOGRAPH NETWORK – JSN

The JSN is the network used in daily earthquake monitoring. Eleven of thirteen seismograph stations were in operation during the 2019–2020 academic year. Despite improvements in lightning protection and grounding of equipment, one station was badly damaged and is still undergoing repairs. At another station key equipment was stolen and reinstallation has been delayed due to security concerns.

JAMAICA STRONG MOTION ACCELEROGRAPH NETWORK – JSMAN

The JSMAN network is useful for solving large earthquakes (magnitude six and above) as most JSN equipment will become saturated (signal overload). There are now forty-three accelerographs installed at thirty-three locations. The network comprises both free-field (outdoors) and building installations. Of the building installations twelve are at JSN stations and eleven are within public and private sector buildings.

Figure 1 shows the JSN (triangles) and JSMAN (circles) networks.

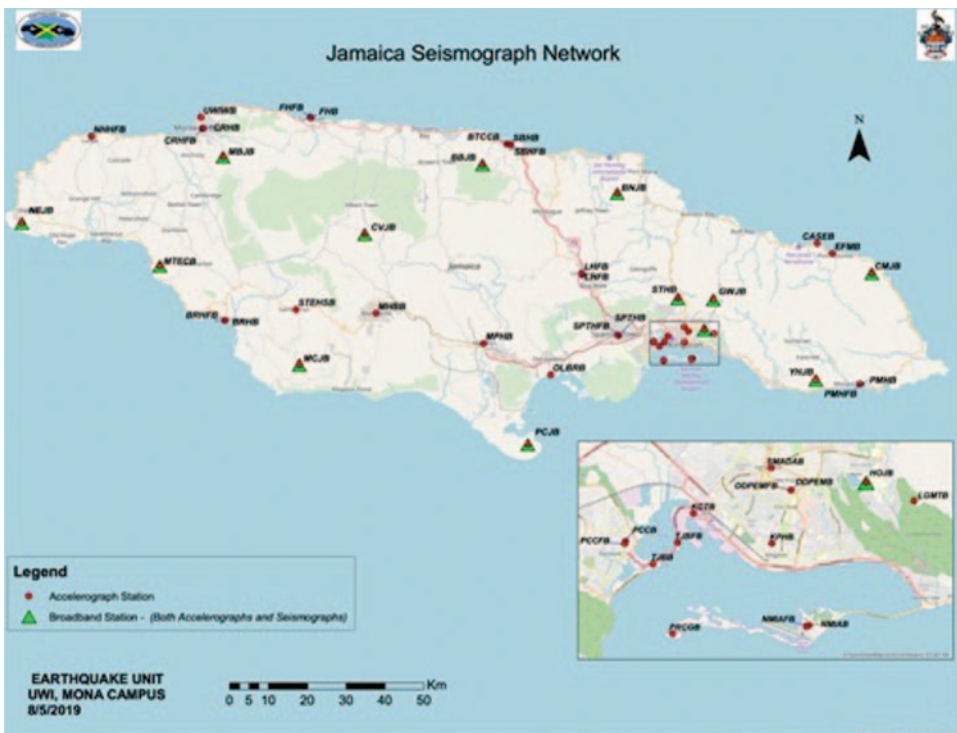


Figure 1. Jamaican Seismograph and Accelerograph Station networks

GLOBAL POSITIONING SYSTEM (GPS) NETWORK

The GPS networking stems from two decades of ongoing collaboration with Professor Charles De Mets (University of Wisconsin). Modelling of the movement at locations in Jamaica due to the M7.7 earthquake, predicts that nearly all the Jamaican stations would have moved on the order of 100 mm. As a result, a GPS campaign was conducted across island. Funding was provided by the National Science Foundation (NSF). In March 2020, Neal Lord of the University of Wisconsin, and Paul Williams of the Earthquake Unit conducted site measurement. Six (6) high-end Trimble GPS were used for this work. Due to the Covid-19 pandemic some sites were not visited however, in April 2020, the National Land Agency provided all their permanent continuous recording GPS stations, for use in this research. The data received covers the period October 2019 to April 2020 and is being processed for publication.

CTBTO

The Earthquake Unit continues to operate the Jamaica National Data Center (NDC_JM) for the Comprehensive Nuclear Test Ban Treaty Organization (CTBTO).

EARTHQUAKES RECORDED

The total number of earthquakes processed by the JSN Network was 672, which included: 198 local events, 285 near events, 155 regional events, and 30 blasts for the period from August 2019 to July 2020 (Table 1). As is the norm the most earthquake activity occurs in the Blue Mountain region north east of Kingston (Figure 2).

The apparent increase in recorded local (198) and near (285) events relative to 2018–2020 (132 local, 40 near) can be directly related to extensive upgrades to the JSN's network of stations under the JSIF-DVRP project. This is due in part to less down time for any given station and when there is a communication break the data is stored for later retrieval. The enormous increase in near earthquakes was due to the magnitude 7.7 earthquake on 28 January 2020, located approximately 110km NNW of Lucea, Hanover and which generated hundreds of aftershocks. This was a great opportunity to test the upgraded JSN and JSMAN networks which record the event well. The un-upgraded network would have been overwhelmed and important data for future work would have been lost.

COMMUNITY SERVICE

The Earthquake Unit works in close collaboration with ODPEM to disseminating the findings of research and bolster disaster risk reduction efforts. Other partners are, KSAMC, PIOJ, Jamaica Institution of Engineers, Portmore Municipal Council.

Table 1: Events recorded by the Central Recording Station at the EQU from August 2019 to July 2020; of the 198 local events recorded, thirteen were felt.

EARTHQUAKE EVENT SUMMARY AUGUST 2019–JULY 2020											
Year	Month	Located Events		Total located	Recorded Events					Total recorded	Felt Events
		Local	Near		Local	Near	Regional	Distant	Blasts		
2019	Aug	12	3	15	12	3	11	0	3	29	1
2019	Sep	13	3	16	13	3	9	0	3	28	0
2019	Oct	13	9	22	13	9	8	0	2	32	0
2019	Nov	23	11	34	23	11	20	0	1	55	1
2019	Dec	15	2	17	15	2	15	0	2	34	0
2020	Jan	27	99	126	27	99	32	0	4	162	6
2020	Feb	11	53	64	11	53	10	0	2	76	0
2020	Mar	13	24	37	13	24	6	3	1	47	0
2020	April	25	14	39	25	14	15	0	2	56	0
2020	May	16	50	66	16	50	7	1	4	78	2
2020	Jun	19	8	27	19	8	9	0	4	40	3
2020	Jul	11	9	20	11	9	13	0	2	35	2
ALL	Totals	198	285	483	198	285	155	4	30	672	15

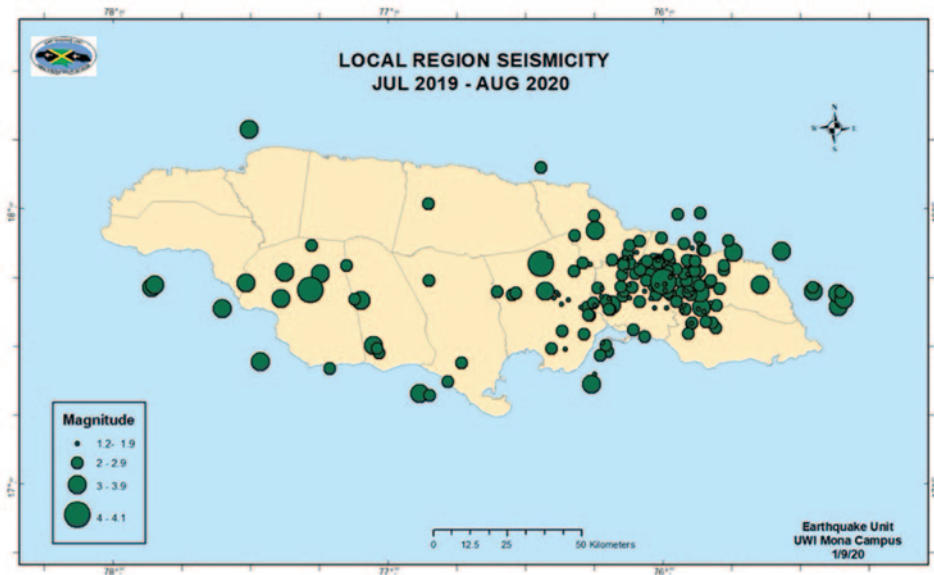


Figure 2. Earthquakes in Jamaica from August 2019 to July 2020

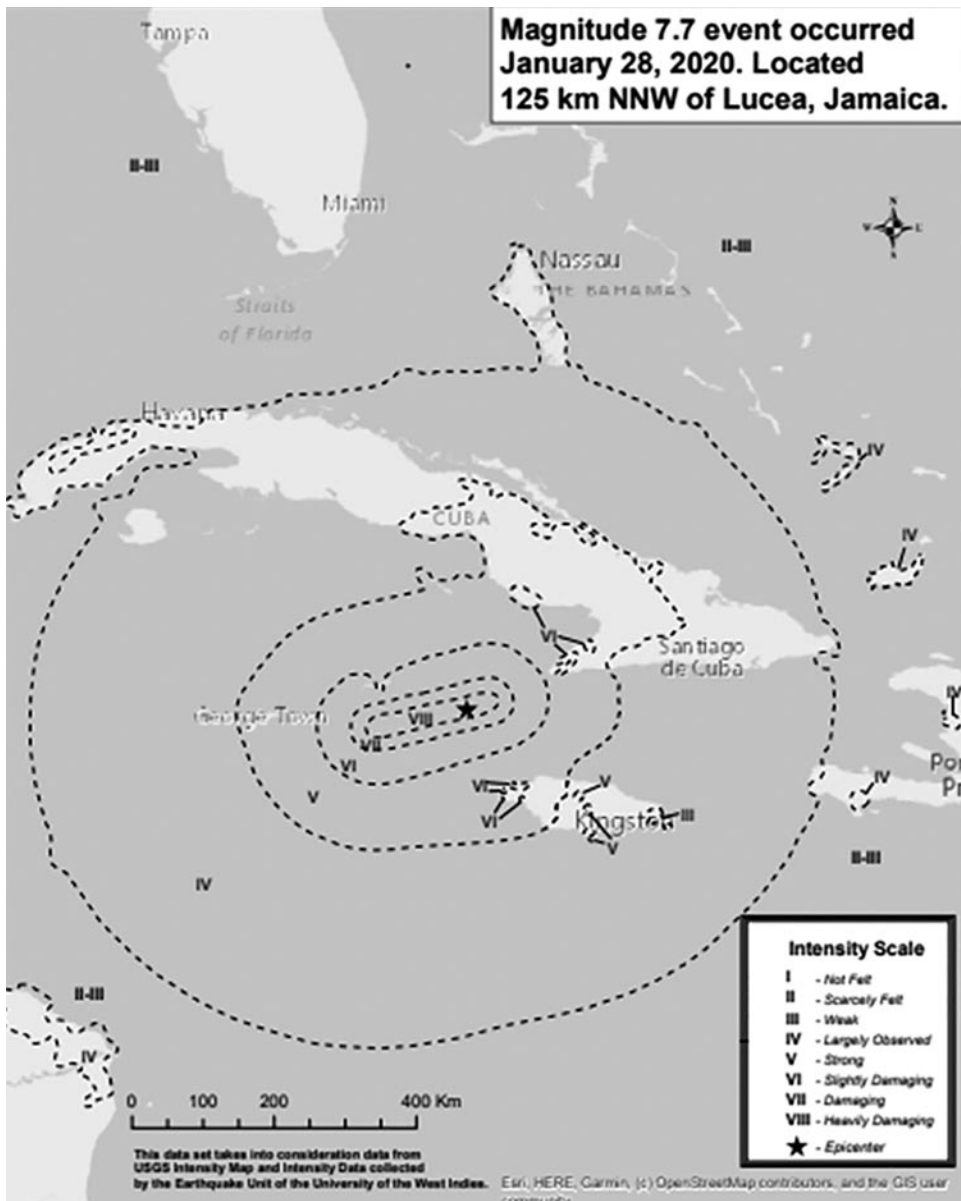


Figure 3. Intensity map of 28 January 2020 M7.7 earthquakes.

There were seven school visits to the EQU comprising a total of 434 students and 24 adults, for the period August 2019 to January 2020

Professor Simon Mitchell continues to support the EQU and performed over twenty media engagements throughout the year with CVM-TV, RJR radio, TVJ, Nationwide Radio, Power 106, Love FM, Northern Caribbean Radio and News Talk 93FM.

COMMITTEES

- National Disaster Risk Management Council (NDRMC):
 - Prevention and Mitigation
 - Preparedness and Emergency Operations
 - Recovery Planning
 - Public Education and Information
- Project Steering Committee: Strengthening the Disaster Risk Management of the Portmore Municipal Council
- Specially Vulnerable Area – Technical Working Group

TRAINING

- Kevel Daley completed the Esri GIS course Do-It-Yourself Geo App.

WORKSHOPS

Simon Mitchell attended the CDEMA workshop on updating Volcanic and earthquake responses in the Caribbean, 5th –7th February 2020, Tobago.

PAPERS

- Wright, V., Hornbach, M., Brown, L., McHugh, C. and Mitchell, S. F. 2019. Neotectonics of southeast Jamaica derived from marine seismic surveys and gravity cores. *Tectonics*, 38(11), 4010-4026. <https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2019TC005806>



HUGH WYNTER FERTILITY MANAGEMENT UNIT

Dr. Vernon DaCosta, MBBS, DMOG, FRCOG, FACOG – Director

The Hugh Wynter Fertility Management Unit (HWFMU) under the direction of Dr. Vernon DaCosta continues to make strides in improving the four interconnected areas of focus namely Clinical Services, Training, Research and Outreach. Sustained efforts are being made to accelerate the pace to reach and serve the Diaspora using the digital space.

The activities of the HWFMU are aligned with the UWI's Triple A strategy to achieve greater access, alignment and agility in advancing sexual and reproductive well-being of the Caribbean and its diasporic population.

An expert and caring team is being fostered by the HWFMU to deliver sexual and reproductive health services in Jamaica and the Caribbean. Service quality and training of undergraduate and postgraduate medical students are being enhanced by ongoing retooling of the clinical infrastructure and advanced training in surgical techniques.

CONTEXT FOR THE REPORT

March 10, 2020, the COVID-19 Pandemic arrived in the Caribbean including Jamaica. The University Hospital of the West Indies (UHWI) volunteered to become a COVID-19 referral centre. Due to the lack of knowledge of the mode of spread and clinical and pathological spectrum of the SARS- CoV-2 viral infection there was a lot of uncertainty as regards to best practices.

On March 30, 2020, the Unit made the decision to close its doors based on recommendations from the UHWI's COVID-19 task force and the director of the HWFMU. However, as more information became available and the growing needs of our patients the unit decided to develop a strategy to provide a phased return to work, initially to provide essential contraceptive and urgent assisted conception services.

During the locked down period the Unit embarked on upgrading our Standard Operating Procedures (SOPs), introduced new SOPs where the need existed and started to implement the ISO 9001 Quality Management System utilizing the Zoom platform.

On August 20, 2020, the HWFMU RESUMED full service after outfitting our OPERATING THEATRES (OTs) with special filters to remove the virus from the OTs. However, as the pandemic entered the community phase and as the health services were inundated with infected cases the unit had to return to the work from home wherever possible to minimize the risk of our staff becoming infected.

All surgical patients were tested for SARS- CoV-2 before being admitted for surgery, all positive patients were quarantined for fourteen days and if they remained asymptomatic, they were rescheduled. To date, the staff of the HWFMU have performed exceptionally well and have always put our patients first.

ACCESS

TRAINING – CLINICAL PROGRAMMES

STUDENTS

The COVID pandemic has resulted in major changes to the delivery of services where the HWFMU has been able to offer both DM and MBBS students the opportunity to learn and participate with clinicians in virtual discussions and videos of minimally invasive surgery and contraceptive techniques. The HWFMU utilized telesurgery capabilities to provide surgical experiences for the medical students and nursing students, while at the same time maintaining adequate social distancing to minimize the spread of SARS- CoV-2.

DM students receive real time and hands on training and experience in minimally invasive surgery, which is complemented by didactic sessions moderated by clinicians from the HWFMU. They also have opportunities to develop skills in assisted reproductive technology. MBBS students are introduced to minimally invasive surgery and assisted reproductive technology.

STUDENT ACHIEVEMENT

Lance Sterling, UWI Postgraduate Scholarship (\$ 750,000), MPhil Applied Physics. Research Topic: Assessment of the Relationship between Electromagnetic Radiation Emitted by Wireless Devices and Sperm Quality in Men Seeking Infertility Treatment.

CLINICAL SERVICES

Three services are delivered in the Clinical Section of the HWFMU, namely, family planning, minimally invasive gynaecological surgeries and assisted reproductive technology. (ART). These services are delivered using state of the art technology and modern surgical techniques.

Table 1 shows the number of surgical services (281) delivered during the period under review.

Procedures	Quantity
Diagnostic Laparoscopy	6
Diagnostic Hysteroscopy	145
Cervical Cerclage	4
Suction Curettage/D&C	11
Cyst Aspiration	3
Operative Laparoscopy	72
Operative Hysteroscopy	20
Myomectomy	7
Hysterectomy	4
Ovarian Cyst Aspiration	3
Pipelle Sampling	3
Drainage of Bartholin's Cyst	1
Marsupialization of Bartholin's Cyst	1
Transurethral Resection of Prostrate	1
Total	281

Table 2 shows the various contraceptive services (1505) that were delivered to patients of HWFMU. In addition to the table, the new patients registered for family planning method was 194.

Methods/Procedures	Quantity
Oral Contraceptives	163
Depo-Provera Injection	1,174
Jadelle/Zarin Sub dermal Implant	100
IUCD	61
Tubal Ligations	6
Vasectomy	1
Total	1,505

Table 3 shows the various contraceptive services (917) that were delivered to out-patients of the University Hospital of the West Indies (UHWI) .

Methods	Quantity
Depo-Provera Injection	315
Condoms	580
Jadelle Sub dermal Implant	12
IUCD	10
Total	917

TRAINING – MSc. COUNSELLING PROGRAMME

The two major objectives of the Training Section of the HWMU in the Faculty of Medical Sciences during the reporting period were related to student matters and curriculum revision as follows:

- To ensure the throughput of the remaining eleven (11) students in the M.Sc. Counselling Programme whose intake of a new cohort was suspended since 2016.
- To continue the revision of the four-yearly cycle M.Sc. Programme for online delivery in two years

STUDENT MATTERS

Enrollment

A total of eleven (11) students were enrolled in the programme, all of whom were working on their research project. One (1) student completed the programme, seven (7) have been given extension of time to complete the programme by December 2020, while three students who had returned from leave of absence have been given until May 3, 2020 to complete.

Courses offered

The Research Project COUN6301 was the only course offered during semesters 1 and 2, 2019–2020. Students have completed all other programme courses including the practicum. The students are supported in their research journey

Graduation

One (1) student from Belize successfully completed the programme and has been recommended for graduation in October 2020. The restructuring process necessitates

a total revamping of the programme in terms of its structure, duration, mode of delivery and administration. It also means the introduction of a new structure and modality that will position the programme to more efficiently respond to the growing need for professionally trained counsellors in the Caribbean.

The goals of the revised programme are:

- To train Professional Counsellors in the Caribbean Region and the global community equipped to provide high quality counselling services to meet the evolving psychosocial needs including depression, trauma, violence and rehabilitation.
- To execute a programme that facilitates a broad educational experience which enables graduates to work in diverse fields, specialize if desired and to be eligible for licensure by established professional bodies.
- To deliver an innovative educational product that is agile, easily accessible, and supportive of the UWI's strategic mandate to revitalize regional development with increasing ICT use.

Current Status of the Review Process

- A draft curriculum proposal has been developed in accordance with the UWI's template for new and revised graduate level programmes. The document presents revised courses, new courses, suggested arrangements for practicum and research, proposed pedagogy and identified educational resource.
- The document has been circulated to key stakeholders whose feedback has resulted in recommended document update.
- Special guidance in relation to online delivery are being provided by the Office of Online Learning as well as the Academic Programming division of the Open Campus.
- A soft-marketing survey was conducted in the Caribbean to determine the need for the programme to which thirty-nine (39) prospective applicants responded. A special meeting was held with the prospective applicants to update them on the status of the programme revision.
- The working group had a special consultation with international professor of Counselling, Dr. Samuel Gladding, who gave invaluable contribution regarding finalizing the programme for regional as well as international delivery.
- The projected time for the start of the revised programme is academic year 2021-2022.

MSC. COUNSELLING

Resource Personnel

The Training Section has been under the leadership of programme Officer Miss Elaine Jackson since the Training Coordinator retired in 2018. Special support has come from the members of the Curriculum Working Group and other professionals as well as interim engagement of staff at the HWFMU. Additional in-house Administrative support is being provided by part-time employee Miss Sonelia.

PUBLICATIONS

Published Papers

Marijuana use and its influence on sperm morphology and motility: identified risk for fertility among Jamaican men. *Andrology* 2020 Jan; 8(1): 136–142. doi: 10. 1111/andr. 12670. Epub 2019 Jul 2.

ALIGNMENT

MAJOR CONFERENCES

- **DaCosta, Vernon.** Surrogacy, Ethics and the Law, a two-day Workshop. Toward the creation of a legal framework, “Assisted Reproductive Technology in Jamaica” DaCosta V. September 12–13, 2019, Regional Head Quarters, UWI, Mona, Jamaica.
- **DaCosta, Vernon.** American Society for Reproductive Medicine Scientific Congress and Expo, Celebrating 75 years of History and Innovation, October 12–16, 2019, Philadelphia, U.S.A.
- **DaCosta, Vernon.** Updates in Infertility Treatment (UIT), January 2020, Seville, Spain DaCosta, Vernon. Annual Perinatal Conference, University Hospital of the West Indies, February 2020.
- **DaCosta, Vernon.** Working with the Population and Health Unit, Planning Institute of Jamaica in developing the National Population and Sustainable Development Policy for 2030.
- **Bailey, Michelle.** The 35th Annual Meeting, European Society of Human Reproduction and Embryology, Vienna – Austria, June 23–26, 2019.
- **Bailey, Michelle.** A facilitator at the Surrogacy, Ethics and the Law, a two-day Workshop. Toward the creation of a legal framework, “Assisted Reproductive

Technology in Jamaica” DaCosta V. September 12–13, 2019, Regional Head Quarters, UWI, Mona, Jamaica.

- **Bailey, Michelle.** American Society for Reproductive Medicine Scientific Congress and Expo, Celebrating 75 years of History and Innovation, October 12–16, 2019, Philadelphia, U.S.A.
- **Bailey, Michelle.** Updates in Infertility Treatment (UIT), January 2020, Seville, Spain.
- **Bailey, Michelle.** Annual Perinatal Conference, University Hospital of the West Indies, February 2020.
- **Godfrey, Melrose.** American Society for Reproductive Medicine (ASRM) Conference October 12–16, 2019, Philadelphia, USA.
- **Frederick, Sharifa.** ASRM conference in Philadelphia regarding updates in the management of patients in an ART Unit, October 12–16, 2019, Philadelphia, USA.
- **Black, Deon.** VidCon London 2020 February 20–23, 2020, Royal Victoria Dock, London, England.
- **Walters, Yvonne.** Faculty of Medical Sciences, Annual Research Conference and Workshop Kingston, Jamaica. November 2019.
- **Walters, Yvonne.** American Society for Reproductive Medicine, Pre-Congress Programme and Scientific Congress, October 12–16, 2019, USA.
- **Walters, Yvonne.** Surrogacy Workshop. Surrogacy, Ethics and the Law September 12–13, 2019, Jamaica.

PUBLIC SERVICES

Surrogacy Workshop

The two-day workshop ‘Surrogacy Ethics and the Law’ was held September 12–13, 2019 to explore the legal and ethical issues relating to the practice of surrogacy in Jamaica and the Caribbean. The workshop engaged policy and law makers; law and medical practitioners; law enforcers and associations responsible for women and child rights across Jamaica for the development of a comprehensive policy and legislative framework on Assisted Reproductive Technology (ART) including Surrogacy

The UWI TV Interview

One of a series of interview was conducted with a few of the senior members of staff on the works and services of the Unit on March 3, 2020 in an effort to promote the Unit and educate the population.

The UWISON Visit

On February 11, 2020, some members of the HWFMU team facilitated the five MSc. Nursing Administrative students from the UWI School of Nursing, Mona (UWISON) in conducting their research projects.

Endometriosis Month 2020

The HWFMU Consultants, Dr. Loxley Christie, participated at an Endo What's panel discussion on Endometriosis and its impact on Fertility, at JAMPRO on March 5, 2019. In addition, the other HWFMU Consultants participated in several radio interviews during the commemoration of Endometriosis Awareness Month.

Dr. Vernon DaCosta

- Surrogacy Ethics and the Law, a two-day Workshop. Toward the creation of legal framework, “Assisted Reproductive Technology in Jamaica” DaCosta V. September 12–13, 2019, Regional Head Quarters, UWI, Mona, Jamaica. Lawyers, members from the MOHW, Religious groups, doctors and the public were all invited to the workshop to create greater activism and public advocacy for the rights of all Jamaicans to have comprehensive sexual and reproductive healthcare.
- A member of “Personal Community and Empowerment Builder” (PCEB) local non-profit organization – current project involves assisting Ebenezer Basic School.
- Educating the public on Fertility Preservation and surrogacy in Jamaica via TVJ's Morning Time and CVM.

Dr Michelle Bailey

- Member of the American College of Obstetricians and Gynaecologists (ACOG)
- Member of the American Association of Gynaecological Laparoscopist (AAGL)
- Member of the American Association of Reproductive Medicine (ASRM)
- Member of the World Association of Laparoscopic Surgeons (WALS)
- Member of the European Society of Human Reproductive Embryologists (ESHRE)
- Member of the Caribbean Association of Gynaecologic Endoscopic Surgeons (CAGES)

Mrs. Veronica Forbes-Blake

- Member, Jamaica Association of Administrative Professionals
- Member, Association of Caribbean Higher Education Administrators (ACHEA)

Mrs. Ileen Gill

- Member, Jamaica Association of Administrative Professionals

Ms. Deon Black

- Member, Toastmaster Pacesetters Club
- Member, Rotary Club of New Kingston

Nurse Yvonne Walters

- Tarrant Baptist Church Health Fair, Portmore Community. Participation in the screening, health education and counselling of patients (November 23, 2019) .
- Counselling and Mentorship Services at the Mountain of Fire and Miracle Ministries Church located at North- End Plaza in the Parish of St. Andrew to benefit families and individuals both inside the church and the wider community

Dr Kamali Carroll

- Member, The European Society of Reproduction and Embryology (ESRE)
- Member, The American Society of Reproductive Medicine (ASRM)

Miss Elaine Jackson

- Associate Pastor and Counsellor at the New Wine Tabernacle Church in Kingston

AGILITY**INCOME GENERATION**

INCOME \$194,891,213. 89

EXPENDITURE \$ 190,041,85. 60

NET \$ 4,849,356. 29

ASSISTED CONCEPTION SERVICES

The cost of various services in the IVF laboratory was itemized to generate income:

- Blastocystculture: we have now added a cost to the extended culture of embryos to the blastocyst stage.
- Assisted hatching: we now have added a cost for those requesting assisted hatching of their embryos
- Gamete/Embryos importation andexportation:we have now added a cost for those wishing to import or export gametes or embryos internationally.This demand has increased exponentially due to the COVID-19 pandemic and the travel restrictions worldwide.

PARTNERSHIP

- Partnership with Ferring re extended credit period of four months to offset cash flows during the pandemic.
- Partnership with Merck pharmaceuticals re providing drugs for our IVF patients if their cycles were cancelled because of Covid-19.

ONLINE PROMOTION

The HWFMU's social media promotion has been generating interest in the services of the Unit which will improve the financial health of the University.



INSTITUTE FOR GENDER AND DEVELOPMENT STUDIES, MONA CAMPUS UNIT

Leith Dunn, BA (Hons) MSC UWI, PhD LSE – Head of Unit

The IGDS Mona Unit programme priorities in Teaching, Learning & Student Development; Research, Publications and Innovation; and Public Service/Outreach continued to be guided by the 2017–2022 UWI Strategic Plan centred on: Access, Alignment and Agility. Increased demand for Gender Specialists globally coincided with the UN Sustainable Development Goals (2015–2030) which include Goal #5 (Gender Equality) as well as gender as a cross-cutting issue to achieve all 17 UN Sustainable Development Goals.

TEACHING, LEARNING & STUDENT DEVELOPMENT

Undergraduate programme: Delivery of the BSc in Gender and Development (Major) and the Minor in Gender and Development Studies continued. Total BSc enrolment was 69 (59 females & 10 males). The Unit welcomed 12 new students (9 females and 3 males).

Teaching: The Unit delivered 20 courses to 564 students (which included five (5) courses at The UWI Mona's Western Jamaica Campus (WJC). The 564 students was a reduction compared to 666 students in 20 courses in 2018/2019. Registration per semester was: 304 students (63 males and 241 females) registered in eight (8) courses in Semester 1; 260 students (31 males and 229 females) in eight (8) courses in Semester II. Summer School was not held in 2020 due to the challenges brought about by the COVID-19 pandemic.

BSc Gender and Development Majors Graduating: Fourteen (14) students graduated on November 2, 2019 (13 females & 1 male) which increased the total number of Gender and Development BSc graduates to 146 since the programme started in 2009/2010. There were: Three (3) Upper Second Class Honours; five (5) Lower Second Class Honours and six (6) Passes.

Minors Awarded in Gender and Development Studies: Ten (10) students declared the Minor during September 2019–February 2020. This has increased the number of graduates who have declared the Minor to 140.

The Unit's support of the University's Strategic Plan for access by a cross-section of stakeholders was reflected in efforts to improve teaching quality, learning and student development as follows:

Curriculum Review & Renewal: Curriculum review commenced at the end of the academic year and included consultation with the other IGDS Units (Nita Burrow Unit, Cave Hill Campus & St Augustine, Trinidad) with a view to harmonizing courses across the campuses and to explore course deliver remotely.

Student internships: Inter-Institutional partnership continued to be organised to enhance teaching and learning and build capacity for gender mainstreaming. Students registered in GEND3032 (Gender Climate Change and Disaster Risk Management) visited two departments and an organization to complete assignments. These were: The UWI's Institute for Sustainable Development (ISD), The UWI Physics Department, Climate Studies Group, and Environmental Solutions Limited (ESL)

Responsive to students' needs: Following the University's move to remote learning, the Unit ensured that increased contact was made with students, especially those who were experiencing academic challenges to provide additional support. This included resolving technical and administrative issues and liaising with other Faculties and University Departments on their behalf. Students were given access to WhatsApp, text and cell phone lines to reach the office and teaching staff. Class and Guild representatives proved to be effective contact persons for getting information to students about ongoing IGDS MU matters. Administrative staff also conducted additional academic advising sessions with students to ensure that they were fulfilling the academic requirements

BSc Guild Representative: Following representation by IGDS Majors in AY2017/2018, and with the support of the IGDS Mona Unit, to make changes to the Guild's Constitution, Gender Majors were allowed to vote for their first Guild Representative in AY2019/2020. Following the last Guild elections in July 2020, Ms Shanecia Brown was elected for AY2020/2021. The Unit remains committed to providing support to the IGDS Guild Committee.

Dorian Powell Prize Award: The prize was reactivated after a three-year gap. The awardees were: Mr. Gavane Ferguson for 2016/2017, Ms Trishana Burgher for 2017/2018, and Ms Shanique Daley for 2018/2019. In making the selection, the academic performance of students who had attained the most 'A' grades in gender courses. Four (4) students were shortlisted and asked to submit their CV and an essay on, *How the Study of Gender has impacted my Life*, and participated in an interview to assess their awareness of the work and contribution of Mrs. Dorian Powell.

IGDS Mona's Honour Roll: The Honour Roll was introduced to recognize undergraduate BSc students for their outstanding academic performance each semester. The Honourees for the AY2019/2020 are: Semester I: Truddiann Ashmead (3.77 GPA) and Raphia Cobourne (3.76 GPA); Semester II: Raphia Cobourne (3.72 GPA); Nacauta Henry (3.80 GPA); Cassandra Hyde (3.66 GPA).

Support to Postgraduate programmes: The Unit's academic staff continued to support graduate programmes within and outside the IGDS, locally, regionally and internationally. They served as supervisors, advisors and examiners and delivered guest lectures and special modules on Gender in graduate programmes. The academic staff supervised twelve (12) postgraduate research students: Dr. Onuora – 1 PhD candidate and 1 MSc student; Dr. Dunn – 3 PhDs, 1 MPhil candidate and Dr. Carpenter – 3 PhD candidates, 1 MPhil, 2 Masters. These students were registered in the IGDS Regional Coordinating Unit, IGDS St Augustine and other UWI Departments and Gotheburg, Sweden. Staff served as members of the Advisory Committees for two (2) others.

Graduate Teaching: In Semester 2: i) Dr. Dunn continued the annual on-line delivery of the Gender Issues in Health module in FMMS6321 in the Family Medicine programme in the Faculty of Medical Sciences, to 18 medical doctors registered for the programme at UWI Mona and UWI Cave Hill campuses She also updated the course content to include issues related to the COVID-19; ii) Dr Carpenter delivered the advocacy course for the Faculty of Medical Science, online on “Cultural Diversity, Inter-culturality and Gender Issues in Caribbean Adolescents”, on January 28–29, 2020. The curriculum objectives were: i) To recognize the cultural diversity in existence within the Region and globally and explore an intercultural approach to adolescent health; ii) To sensitize the learner to the multivariate gender issues occurring within the adolescent population and iii) Explore the culturally relevant gender roles, practices and expectations in the Caribbean Context.

PUBLICATIONS

The Mona Unit through its publication output aimed to increase access to information on the work of the Institute on gender mainstreaming, and improve the quality, quantity and impact of research and publication.

- The Unit completed the publication for the IGDS 9th Biennial Lucille Mathurin Mair 2019 Public Lecture by Professor Verene Shepherd entitled: *Lucille Mathurin Mair: The Opinions and Philosophy of a Rebel Woman*. The introduction was written by Dr. Dunn and publication has been distributed electronically.

Book

- Scafe, S and Dunn, L (eds). (2020). African-Caribbean Women Interrogating

Diaspora/PostDiaspora. Special Issue of the *African and Black Diaspora International Journal* Volume 13 Issue 2 June 2020. Available at: <https://www.tandfonline.com/toc/rabd20/current>.

- Dunn, L., and Scafe, S, (Eds). (2019). African Caribbean Women: Diaspora and Post Diaspora Caribbean. Caribbean Review of Gender Studies (CRGS). ISSN: 1995-1108. E- book available at: https://sta.uwi.edu/crgs/june2019/documents/CRGS_13_Pgs1-16_LDunn_SScafe_AfricanCaribWomenMigration.pdf
- Devonish, H. and K. Carpenter. (2020). *Language, Race and the Global Jamaican*. London: Palgrave MacMillan. ISBN 978-3-030-45747-1

Book Chapters

- Dunn, L., and Scafe, S., (2019). Introduction. In Dunn, L., and Scafe, S. (Eds.). African Caribbean Women: Diaspora and Post Diaspora. *Caribbean Review of Gender Studies* Special Volume. NO 13. (PP.1-16). ISSN: 1995-1108. E Book available at: <https://sta.uwi.edu/crgs/https://sta.uwi.edu/crgs/june2019/index.asp>
- Carpenter, K. (2020). Power and the Construction of the Erotic: A Critical Analysis of the Female Erotic in Tanya Stephens' Playbook. In *Rough Rider*. Kingston: UWI Press. (In Press)

Technical & Policy Report

- Dunn, L and Grant, O., (2019) Positive Parenting in Jamaica: Report of Victoria Mutual Foundation's Consultation of Experts. The Courtleigh Hotel, October 24, 2019.
- Carpenter, K. LINKAGES Jamaica. MSM self-stigma and MSM–Transgender Intracommunity Stigma Needs Assessment 2019. Kingston: 29th July 2019. (163 pages).
- Moore C., (2019, November). Trans Economic Survivability in Jamaica Research. Stonewall and TransWave Jamaica Limited, United Kingdom.
- Moore, C., JFLAG LGBT Needs and Community Experience Survey Report. The report is based on the survey conducted between May–December 2019 with over 300 LGBT Jamaicans on their experiences, goals, dreams/hopes and how belonging to the LGBT community affects livelihoods. The report will be used to guide J-FLAG's advocacy programme.

Short Monograph

- Dunn, L., and Carr-Tobias, K. (2019). Exploring the Intersection Between Gender and Climate Change in the Caribbean. London: Commonwealth

Foundation. (46 pages). ISBN: 978-1-5272-5682-8. Available at: <https://commonwealthfoundation.com/through-a-genderlens-climate-change/> and <http://commonwealthfoundation.com/project/gender-and-climatechange/> and <https://commonwealthfoundation.com/resource/gender-analysisguidance-tool/>

RESEARCH

The Unit's research profile and output were aligned with several areas of national, regional and international development, and partnership with several departments and agencies, to fulfil requests for research driven interventions and solutions. Research projects conducted during the reporting period were as follows:

- **Title: Improving Household Nutrition Security and Public Health in CARICOM (Food & Nutrition):** a four-years multi-institutional, three-country research project, funded by International Research Development Centre (IDRC). The Researchers are Professor Alafia Samuels (PI), Director of the George Alleyne Chronic Disease Research Centre in CAIHR at UWI Cave Hill (PI); Professor Fitzroy Henry, UTECH, and Dr. Leith Dunn, Gender Specialist (Co-Investigators). The objectives are to ascertain the most effective gender sensitive ways to improve food sovereignty, household food security and nutrition, to reduce the burden of obesity-related non-communicable diseases in CARICOM states. During the reporting period: on-line planning meetings and seminars related to COVID 19 and food security in CARICOM were held; PAHO Social Media Marketing for COVID 19; ii) Provided input for project report to IDRC, provided additional data from the Jamaica study conducted by an IGDS Mona team in 2019; iii) Co-authored two (2) publications with the project team, which were accepted for the Caribbean Public Health Association (CARPHA) 2020 Conference which was cancelled due to COVID 19.
- **Title: ILO/Jamaica Employers Federation (JEF) Project: Women's Entrepreneurial Development (WED) Assessment in Jamaica,** conducted between December 2018–November 2019, funded by International Labour Organization (ILO). Dr Leith Dunn was the Gender Specialist and Principal Investigator. The study involved a WED assessment in Jamaica (2018–2019) which sought to identify enabling and inhibiting factors for women's entrepreneurial development. Following data collection (July–August 2019) and analysis, a draft report was prepared, and a dissemination workshop held in November 2019 to share the results with stakeholders. Dr Dunn revised the final report, which was submitted to the ILO in January 2020, and identified consultants to develop the action plan which will be shared with stakeholders and participants.
- **Title: SALISES/WINROCK Prevention of Child Trafficking. US-Jamaica Child Protection Compact (CPC) Partnership: (2018–2021),** funded by WINROCK

and the US State Department's TIP Unit. Dr. Leith Dunn was the Primary Investigator and Ms Rukiya Brown, Co-Investigator. The study was aimed at supporting prevention of child trafficking through public education and awareness programmes targeting the education sector. During the reporting period: Dr. Dunn lead the SALISES CPC project team to implement the Work Plan and Contingency Work plan in response to COVID 19 by: i) Supporting training of field researchers; drafting the KAP Survey Report on Knowledge, Attitudes and Practices of stakeholders on child trafficking (CT) in four sectors: Education; Health, Community Development and Faith Based Organisations; ii) Conducting research and developing a CT training curriculum, training tool and a Facilitator's Guide with the CI to deliver a trainer of trainer's programme for SALISES team and leaders in the 4 sectors; iii) Adapting training materials for on-line delivery during COVID 19 and delivering several training sessions during June–August 2020.

- **Title: IOM /UPENN Prevalence Study on Child Trafficking: US-Jamaica Child Protection Compact (CPC) Partnership:** Dr Dunn was the Gender Specialist in the project, which was funded by the International Organization for Migration (IOM), Jamaica with support from the University of Pennsylvania, from December 2018–December 2020. The objectives for the project were: to examine prevalence and health implications on child sex and labour trafficking in Jamaica in consultation with the US State Department and the Jamaica Trafficking in Persons (JTIP) Unit; improve data on the nature and prevalence of child trafficking in Jamaica, and support advocacy, and expand the government's efforts to identify and protect child victims and prosecute perpetrators of these crimes. A Scoping Report was completed and submitted and was used to guide planning Phases 1 & 2 for this mixed methods research study. Support was provided to: review proposals and data collection instruments developed by UPENN; send submissions to UPENN and Jamaica's Ministry of National Security Ethics Committees; conduct two interviews; and work to develop creative data collection methods during the COVID 19 pandemic.
- **Title: Pilot study – Perceptions of Sexual Satisfaction & Gender,** conducted between September–December 2019. The research was conducted by Dr Karen Carpenter, and included a Pilot Attitude Assessment of UWI students' fundamental ideas of self and partner sexual satisfaction by gender and faculty [(n=100) students]. Data were collected and analysed, the findings are being used to prepare a journal article for publication, following which a proposal for a larger study (n-1,000 students) for submission to the UWI's Ethics Committee in AY2020/2021 results will inform course content.
- **Title: 2020 Student Retention Survey, Office of Planning & Institutional Research (OPAIR):** The survey was conducted on behalf of the Office of the

Principal in August 2020. The Researchers were Dr Nicola Lipps-Patterson, Dr Karen Carpenter and Mr Gavin Walters. The University of the West Indies, Mona Campus kept abreast of students' changing circumstances during the months of the pandemic to periodically canvas their responses to specific questions regarding their willingness and ability to engage in remote and blended learning experiences. At the end for the 2019–20 academic year the Office of Planning and Institutional Research (OPAIR) sought to ascertain: i) what proportion of the student body was likely to return for the coming academic year; ii) what challenges students faced in continuing their education (e.g. finances, access to technology, bandwidth, a quiet place to participate in online classes); iii) what, if any, assistance students need for the coming academic year; and iv) which issues are faced by students from different Faculties. OPAIR is proposing to undertake a student retention study targeting students who were registered during the 2019–20 academic year. The study will entail an online survey and a telephone survey of eligible students. The data was analyzed using SPSS to produce descriptive statistics and thematically to arrive at the salient themes from open-ended questions. The survey was conducted and the results were collated and the 2020 Student Retention Survey Report was delivered to the Principal for review and for dissemination.

- **Title: Trans Economic Survivability in Jamaica Research:** The project was funded by Stonewall and TransWave Jamaica Limited, United Kingdom (July – November 2019). The Primary Investigator in Jamaica was Ms Carla Moore. Her responsibilities included development of research instrument, facilitation of focus group discussions, data analysis and development of final report. The research focused on trans, lesbian and bisexual persons, which aimed to understand employment histories and experiences, perceived impact of trans identity on job availability and unemployment, perception of levels of unemployment among trans persons, willingness to shift gender presentation for jobs, differences in experiences between trans-masculine and trans-feminine persons, preferred places of employment, necessity of financial assistance for survival, sources of support, experiences with hunger, monthly expenses, and employability and barriers to employment unrelated to gender identity. The final research report was written by Ms Moore for all participating organizations from Venezuela, Trinidad and Tobago, Kyrgyzstan, Nigeria, Burundi, and Jamaica, the research focused on economic well-being and was submitted to the funders.
- **Title: JFLAG LGBT Needs and Community Experience Survey:** Ms Carla Moore conducted the research from May–December 2019. A survey was administered among 300 LGBT Jamaicans on their experiences, goals, dreams/hopes and how belonging to the LGBT community affects livelihoods. Data were collected and analysed and the findings used to prepare a final report which was submitted to JFLAG to guide their advocacy programme.

OUTREACH PROGRAMME

The Unit's participation in outreach activities were aligned with departments and groups which supported promotion of activism and public advocacy and included the following events:

IGDS Webinars:

- The Mona Unit collaborated with the Regional Coordinating Office to organize and deliver a successful international 'Gender and Wellness' webinar on May 29, 2020, focused on techniques for coping with the stressors of COVID-19. The presentations included mental health; creativity and mindfulness techniques for coping with stressful situations. Dr. Carpenter selected and liaised with the presenters; prepared the running order and moderated the event as well as served as Zoom Host. The event was recorded by UWI tv for later broadcast and posting on social media platforms.
- The Mona Unit collaborated with IGDS Units to host the Regional Webinar entitled: '*Shouts and Whispers: Untold Stories from the Caribbean During COVID-19*', held on July 8, 2020. Panelist focused on the lived realities in COVID-19 of Persons Living with HIV, Sex Workers and a migrant's experience. They focused on socio economic issues, implications on children, job displacement, opportunities, and gender disparities. The discussion also looked on the way forward, and expectations from the IGDS, Mona Campus Unit other NGO groups as well as Caribbean Governments.
- International Men's Day (IMD) 2019: i) A public forum was held on November 19, 2019 at the UWI Mona, which was organized by the IGDS Guild Committee, IGDS Mona's Gender Society and the Guild representative for Commuting Students. The Unit also made a financial contribution. The IGDS Guild team also started a school mentorship programme targeting boys at the Haile Selassie High School.
- Ms. Carla Moore planned and executed an International Men's Day public forum at WJC in collaboration with the Guild Council entitled: 'Y Chop Brogad?' led by WJC CARIMAC Lecturer, Mr. Steffon Campbell and student speakers. Topics included: Men and Health, Men and Violence, Men and Money and Male Unity. The Mona Unit made a financial contribution.
- The International Day for the Elimination of Violence against Women (IDEVAW) (November 25 and 16 days of Activism to Eliminate Gender-based Violence): Dr Onuora represented the Mona Unit in organizing a three-day programme of events that focused on the theme: "Sexual Harassment and Sexual Assault: Towards a Safer Learning Environment for Colleges and Universities in Jamaica".

This was a collaborative effort between the IGDS, Mona Campus Unit, UWI's Mary Seacole Hall (MSH), The UWI Mona Guild of Students, the IGDS Guild Committee, and the Edna Manley College of the Visual and Performing Arts. Mainstream print and electronic media captured events for this high-profile event that raised public awareness about the need for educational institutions to adopt policies and procedures to create safe and enabling environments for students, free of sexual assault and sexual harassment.

- Two major advocacy events were organized by Dr. Onuora, and were carried in the media: Walk a Mile in Her Shoes. This project involved male celebrities and UWI, Mona students walking '1 mile' in women's shoes, around the UWI's Ring Road to show men's solidarity with women to eliminate GBV. The second was the, Clothes Line Project, carried out with the Mary Seacole Hall. The Unit also made a financial contribution to offset costs.
- International Women's Day 2020: i) The Mona Unit supported, The Handbag Project, conceived by the IGDS Regional Coordinating Office, to commemorate International Women's Day. The Mona Unit reached out to stakeholders and Departments on the Mona Campus for support, and served as a collection point for contributions. The initiative was supported by several stakeholders and Mona campus departments with the assistance of Gender Board members for the respective Faculties. They include: Faculties of Sports, Humanities and Education, Social Sciences, UTC, and off campus organizations, Jamaica Teacher's Association and Digicel (campus office). The bags were sent to the RCO for distribution to women and girls in need.

PAPERS PRESENTED – MAJOR CONFERENCES/SEMINARS

- **5th European Geographies of Sexualities (5th EGSC) Conference:** Dr Onuora presented a paper on *Space, place and queerness: An examination of The University of the West Indies (UWI), Mona Campus' queer landscaping'*, at the conference held at Charles University, Prague, Czech Republic, September 26–28, 2019 (co-author Nadeen Spence). The paper was presented as part of a panel entitled, "Decolonizing Locations".
- **7th Caribbean Women and Sexual Diversity Conference (CWSDC7):** Dr. Onuora made a presentation on Ending Violence': Sharpening our Feminist Conceptual Tools, at the Conference, themed "Building Sustainable Feminist Movements – Caribbean LBT women advocating for and creating change.", held in Kingston on October 4, 2019.
- **Association of General Practitioners of Jamaica Adolescents & Ethics Conference:** Dr Carpenter presented a paper on Understanding and Coping with Sexual Behaviour Problems in Teens, at the conference held on November 10, 2019.

INCOME GENERATION

In support of the strategic goal to be agile by generating funds to supplement the UGC Funds. The Unit contributed an estimated JA\$32,000,111.49 /US\$127,046.78 to The UWI during the reporting period. This was from tuition fees paid by students registered in the BSc Programme in Summer School 2019, Semesters I and II AY2019/2020 and contribution from project funds.

Project Funds: CAHIR Project (Improving Household Nutrition Security and Public Health in The CARICOM) JA\$728,097.49/US\$5,433.56.

BOARD/COMMITTEE MEMBERSHIP

The Unit staff's agility was reflected in membership on Boards and committees to aid academic and professional development and provide public service.

- **Dr Dunn: Academic:** Professional organisations included: the International Association for Feminist Economics (IAFFE) and the Caribbean Studies Association (CSA); **Editorial Boards:** the IGDS/Caribbean Review for Gender Studies Journal; The UWI's Journal for Education in the Caribbean (JEIC) and WHO's Medical Education Cooperation with Cuba (MEDICC). **Peer Reviewer:** CRGS, *Journal of Human Trafficking*, *Journal on Victims and Violence*; *Journal of Education & Development in the Caribbean*; *Communicare – Journal for Communication Sciences in Southern Africa*. **Gender Advisory Committees:** Member: UNFPA's International Steering Committee for ICPD@25 Summit in Nairobi, Kenya (November 12–14 2019); Gender Advisory Council – Bureau of Gender Affairs; Gender Advisory Committee – UNDP Jamaica; Evaluation Committee for Review of Gender Policy, Caribbean Development Bank; and Planning Institute of Jamaica (PIOJ) Task force: International Migration Policy; Gender & Population Task Forces for Jamaica, Vision 2030 Development Plan: 2015–2030.
- **Dr. Carpenter: Academic:** Member Transgender Health Strategy Committee; Registry for Gender & HIV Resource Persons, The Ministry of Health & Wellness Jamaica; **Editorial Boards:** Guest Editor Caribbean Review of Gender Studies; Editorial Board of Sexuality & Culture. Springer Publications; **Professional:** Full Member – Jamaica Psychological Society; Founding member The Caribbean Sexuality Research Group (CSRG).
- **Dr Onuora: Editorial Boards:** International Sociological Association (ISA); Co-editor and Manuscript Reviewer, Rough Riding: Tanya Stephens and the Power of Music to Transform Society; **Advisory Committee:** Member, UN Women, Regional Advisory Group on the Measurement of SDG 5.4.1 (Unpaid Domestic and Care Work); **Professional:** Assistant General Secretary of WIGUT.

STAFFING

Academic staff: There were thirteen (13) staff: Five (5) FT: Dr Leith Dunn, Senior Lecturer/Head; three (3) Lecturers: Dr Karen Carpenter (Acting HOD, February–July 2020), Dr Adwoa Onuora and Dr Annecka Marshall; Research Assistant, Mrs. Kimberly Carr-Tobias, (resigned January 2020), replaced by Ms Kristina Neil (joined in March 2020). Six (6) PT Lecturers/Tutors: Ms Leemoy Weaver, Mrs Mareeca Brown-Bailey, Mrs Judith Wedderburn, Mr Jaevion Nelson, Ms Shandy Scott, (at Mona) and Ms Carla Moore (UWI Mona, WJC). Administrative and support staff: Ms Ingrid Nicely, Senior Administrative Assistant, and Ms Thalia Ellis, Office Attendant.

INSTITUTE FOR GENDER AND DEVELOPMENT STUDIES, REGIONAL COORDINATING UNIT

Professor Opal Palmer Adisa – University Director



OVERVIEW

The 2019/2020 academic year (AY) saw many successes for the Regional Coordinating Office (RCO) of the Institute for Gender and Development Studies. The completion of some planned programmes and events was impacted by the coronavirus (COVID-19) pandemic, nevertheless, the RCO worked to fulfil the three pillars, Access, Alignment and Agility of the 2017–2022 Strategic Plan. The activities of the RCO continued to be guided by the IGDS’ Mission and Vision. The Mission is “To produce and disseminate knowledge to transform gender relations in the Caribbean, in support of The UWI’s mission to enhance regional and international development.” The Vision seeks to ensure that “All UWI graduates are committed to social justice and the promotion of gender-responsive human relations and development.” For the AY, the RCO’s theme *Research, Activism, Community Engagement and Education (RACE)* guided the delivery of a range of interdisciplinary and multidisciplinary programmes across the three critical pillars of Access, Alignment and Agility.

During the AY, successes included the effective and quality delivery of the degree programmes, especially in the wake of the COVID-19 pandemic. Marshalled by Dr. Dalea Bean, Graduate Coordinator, faculty responded with agility to ensure that there was minimal disruption to teaching and learning, while promptly addressing students’ concerns of learning in a fully online environment. The pilot of a year-long MPhil/PhD workshop course, as well as the offering of Gender Analysis for Development Policy and Planning as a stand-alone course were indicative of the RCO’s agility in responding to the needs for capacity building among students, and providing stakeholders with tools of analysis in gender. Led by Dr. Natasha Mortley with support from Professor Opal Palmer Adisa, the RCO completed the Jamaica National Commission for UNESCO (JNC-UNESCO) – “Positive Fathering: A Bridge to Enhancing Family Unity and Community Cohesion in Jamaica” project with outputs including, a technical report, training manual for young males and short workbook featuring positive models of fathering. The Louise Bennett 100 Days Celebration project, endorsed by the Honourable Olivia Grange, Minister of Culture, Gender, Entertainment,

and Sport saw the successful staging of a gala event and the completion of the manuscript, “100 Voices for Miss Lou: An Anthology”. The year saw significant growth for the staff who continued to publish, present in various fora, and provide strategic critical policy advice concerning gender at the highest local, regional, and international levels.

ACCESS

TEACHING, LEARNING & STUDENT DEVELOPMENT

The RCO delivered the following Degrees in Gender & Development Studies: a post Graduate Diploma; an M.Sc. (with Research paper or a three-month internship and report); and MPhil and PhD Degrees. Teaching for Semester two was interrupted in March with the outbreak of the COVID-19 pandemic, however, classes resumed on April 14, 2020 with all classes being effectively offered online using the Zoom platform. Nine graduate courses were taught by Drs. Dalea Bean and Natasha Mortley. Professor Opal Palmer Adisa and Dr. Imani Tafari-Ama delivered guest lectures. Two courses, a year-long course, Workshop Series on Research Protocols and Processes (GEND 6103), and a stand-alone course, Gender Analysis for Development Policy and Planning (6502) were offered for the first time. Thirty-one students were registered in the combined Graduate Programme; 17 MPhil/PhD and 14 MSc students.

The RCO continued to provide meaningful developmental academic, professional and capacity-building opportunities to students through the Staff/Graduate Seminars. A Critical Reading Seminar was held for graduate students on January 16, 2020, and in response to the COVID-19 pandemic, Dr. Dalea Bean facilitated a Gender and Wellness webinar on May 14, 2020. The seminar was extended to students enrolled at the campus-based units and presenters included Debbie-Ann Chambers, Head of The UWI, Mona Campus Counselling Services, and Dr. Nyamekye Richards, a psychiatrist, employed to The UWI, Mona Campus Counselling Services. Also, an MPhil/PhD webinar was held on June 18, 2020, four MPhil students presented on their research topics.

STUDENTS

Mr. Sean Lord, an MSc student became the second recipient of the Catherine James Scholarship, named in honour of the mother of Professor Opal Palmer Adisa. Ms. Ruth Howard, the first scholarship recipient, maintained the award for a second year, based on her performance.

Dr. Dalea Bean spearheaded the creation of the Graduate Ambassador Programme (GAP), which targets graduates of the RCO and is expected to provide opportunities for members to participate in mentoring, RCO activities, as well as networking and marketing the programmes of the RCO. Ms. Ruth Howard, MSc student provides administrative support.

PUBLICATIONS

The RCO continued its research mandate through involvement in several research projects, as well as publications. The major research projects undertaken included:

- **JNC-UNESCO - “Positive Fathering: A Bridge to Enhancing Family Unity and Community Cohesion in Jamaica”** project was a collaboration between the RCO and the Bureau of Gender Affairs. The project was funded by UNESCO and the Ministry of Culture, Gender, Entertainment and Sport (MCGES) at a sum of USD 20,000 and was led by Dr. Natasha Mortley. The project ended on December 31, 2019 and the final outputs included a technical report, training manual, and workbook titled *Positive Fatherhood*, authored by Professor Opal Palmer Adisa. Three graduate students provided research assistance under this project.
- **The Cultural Purveyors** project, aimed at documenting the contributions of outstanding Jamaica personalities to the enhancement and protection of diverse aspects of culture continued. Interviews were conducted by the project lead, Professor Opal Palmer Adisa with Christopher Alexander Creary, Fabian Coverley, Bongo Herman, Frankie Campbell, Oku Onuora, C. Williams Iton, Tanya Baston Savage and Jessica Nabongo.
- **Louise Bennett 100 Days Celebration** project was conceptualized by Prof. Opal Palmer Adisa and was a collaboration with the Institute of Caribbean Studies & Reggae Studies Unit, The Department of Language, Linguistics & Philosophy, the Department of Literatures in English, The UWI Library and the Philip Sherlock Centre. It was endorsed by MCGES and IRIE FM. The manuscript for the anthology, “100 Voices for Miss Lou: An Anthology” comprising 104 contributors was completed at the end of the AY and is currently at the press. This project was sponsored by several organisations, including, Chase Fund, JETS (Multi Link), IRIE FM, National Housing Trust, Jamaica National Group, and City of Kingston Sodality Ltd.
- **Interviewing the Caribbean:** Professor Opal Palmer Adisa is the lead editor for this journal, which is now being published by The UWI Press. During the AY, the winter editions were published and work was advanced for the first of two special editions on Kamau Braithwaite.

Books & Monographs

- Dalea Bean. *Holding up Half the Sky: Jamaican Women of Distinction*, Kingston: Gleaner/RJR Group, 2020.

NON-REFEREED AND TECHNICAL REPORTS

- Opal Palmer Adisa. *Positive Fatherhood*. The Jamaica National Commission for UNESCO, Kingston, Jamaica, 2020.
- Opal Palmer Adisa. “Kei Miller: Writing taught me how to think - An interview”. *Interviewing the Caribbean*, 5(2), Winter 2019, 23–31.
- Opal Palmer Adisa. “Olive Senior: Creating a climate that embraces our national culture”. *Interviewing the Caribbean*, 5(2), Winter 2019, 33–35.
- Opal Palmer Adisa. “Elpedio Robinson: Music as inspiration- An interview with Juleus Ghunta and Opal Palmer Adisa”. *Interviewing the Caribbean*, 5(2), Winter 2019, 37–41.
- Opal Palmer Adisa. Pamela Mordecai: We had no Caribbean limericks. *Interviewing the Caribbean Journal*, 5(1), Winter 2019, 43–47
- Opal Palmer Adisa. Michael Abrahams and Juleus Ghunta: Adverse childhood experiences in Jamaica – An interview. *Interviewing the Caribbean*, 5(2), Winter 2019, 49–55.
- Opal Palmer Adisa. Tanya Batson-Savage: Blue Banyan Publishing Affordable Books – An interview. *Interviewing the Caribbean*, 5(2), Winter 2019, 61–65.
- Opal Palmer Adisa. “A-dZiko Simba Gegele: Rooted in their lives as Afrikans – An interview”. *Interviewing the Caribbean*, 5(2), Winter 2019, 75–81.
- Opal Palmer Adisa. “Joanna C. Hillhouse: Caribbean need as many Stories as there are tastes – An interview”. *Interviewing the Caribbean*, 5(2), Winter 2019, 93–99.
- Opal Palmer Adisa. “Tanya Shirley: Allow the poem to go where it wants to go - An interview”. *Interviewing the Caribbean*, 5(2), Winter 2019, 119–129.
- Opal Palmer Adisa. “Tribute to: Toni Morrison, Paula Marshall and Gloria I. Joseph”. *Interviewing the Caribbean*, 5(1), Winter 2019, 13–17.
- Opal Palmer Adisa. “Esther Phillips: The literary aspect of our culture deserves special recognition – An interview”. *Interviewing the Caribbean*, 5(1), Winter 2019, 19–24.
- Opal Palmer Adisa. “Merle Hodge: A people’s fiction helps to ground them – An interview”. *Interviewing the Caribbean*, 5(1), Winter 2019, 41–49.

- **Opal Palmer Adisa.** “Paul Keens Douglas: The Pan Movement – An interview”. *Interviewing the Caribbean*, 5(1), Winter 2019, 57–61.
 - **Opal Palmer Adisa.** “Diane Browne: Our children to be the heroes/heroines of their own stories – An interview”. *Interviewing the Caribbean*, 5(1), Winter 2019, 63–71.
- Opal Palmer Adisa.** “Dillon Alleyne: Creative imagination intervenes through the Artist- An interview”. *Interviewing the Caribbean Journal*, 5(1), Winter 2019, 89–93.
- Opal Palmer Adisa.**” Diana McCaulay: Empathy is not easy to hold in our hearst – An interview”. *Interviewing the Caribbean Journal*, 5(1), Winter 2019, 95–101.
- **Natasha Mortley.** UNESCO National Commission of Jamaica. Positive Fathering: A Bridge to enhancing family unity and community cohesion in Jamaica, January 2020 (40 pages).
 - **Natasha Mortley.** Caribbean Development Bank. Gender Mainstreaming for Disaster Risk Management and Climate Change. July 2020 (32 pages).
 - **Imani Tafari-Ama.** “A Worm’s Eye View: Ferreting out the Feasibility of Four Articles on Pan African Pedagogy”, *Liberty Hall Journal*, 2020 (86–92).
 - **Bronty Liverpool-Williams.** “Andrea Bowman: Engendering a Tradition of Excellence”. *Interviewing the Caribbean*, 5(2), 142–147.

ALIGNMENT

The RCO places a significant premium on improving the impact of its research through various outreach initiatives and activism. Over the AY, faculty presented at various conferences at the international and national levels, and diverse activities were hosted by the RCO.

PAPERS PRESENTED

- **Professor Opal Palmer Adisa.** “Why We Must Eradicate Gender Inequality in the Caribbean”, webinar hosted by the Inter-American Development Bank (IDB). April 16, 2020. (19 slides)
- **Professor Opal Palmer Adisa.** “Abating Domestic Violence: Toxic or Wounded Men”. Sarah’s Children. March 9, 2020. (23 slides)
- **Professor Opal Palmer Adisa.** “Masculinities in the Caribbean: Shifting the Gaze”. UNESCO Expert Group Meeting on Masculinities – OECD Headquarters, Paris, France. February 6, 2020. (22 slides)
- **Professor Opal Palmer Adisa.** “Gender Mainstreaming – Strategy for Achieving Gender Equality – A Framework for Achieving Good Practice”. Women in

Maritime Conference and SATT's World Maritime Day 2019 Commemorative Symposium. Trinidad. September 27, 2019. (23 slides)

- **Dr. Dalea Bean.** "Intimate Partner Violence". Planning Institute of Jamaica for International Women's Day. Jamaica. March 6, 2020. (15 slides)
- **Dr. Dalea Bean.** Presentation to Gender Focal Point Persons. "Sustainable Development and the Gender Agenda". Bureau of Gender Affairs. March 4, 2020.
- **Dr. Dalea Bean.** "Race, War and Service: Jamaican Women's Contestation of Blackness during Service in the ATS in World War II". Association of Black Sociologists Conference. August 8–10, 2019.
- **Dr. Natasha Mortley.** "Policies for proactive engagement of the Caribbean diaspora, Emigration Policies in the Caribbean and Latin America: Migration at the Crossroads between Europe and Latin America". St. John's Antigua. January 14–15, 2020. (30 slides).
- **Dr. Natasha Mortley.** "Caribbean female migrants creating a transnational space of resilience, care and empowerment, Caribbean Migration and Diaspora panel. Association of Black Sociologists "Blackness and the City". New York City. August 6–8, 2019. (22 slides).
- **Dr. Natasha Mortley.** "Second and Third Generation Caribbean Diaspora: Negotiating positioned belonging within a transnational space". Women, Gender and Africana Programs, Virginia Tech University, USA, February 21, 2020. (17 pages)
- **Dr. Natasha Mortley.** Guest Speaker: "History of Caribbean Migration and Feminization of the Diaspora. Proactive Engagement of the Caribbean Diaspora." International Organization for Migration (IOM) and Government of Grenada. Grenada. September 5–7, 2019. (42 slides).
- **Dr. Natasha Mortley.** Guest Presenter: "Gender, Climate Change and Disasters for Shelter Managers." Workshop by the Community Disaster Risk Reduction Fund, Caribbean Development Bank (CDB). Jamaica. September 15, 2020. (40 slides).
- **Dr. Natasha Mortley.** Guest Presenter: "Data Collection and Exchange for Displaced Migrants in light of Climate Change". Training of Border Security Officials in the OECS. June 16, 2020 (23 pages).
- **Dr. Natasha Mortley.** "Positive Fathering: A Bridge to Enhancing Family Unity and Community Cohesion in Jamaica." IGDS RCO Research Dissemination Event. November 19, 2019. (40 slides).

OUTREACH

The RCO was involved in various activities, including:

- **International Women’s Day (IWD)/Month** was observed with an art exhibition entitled, “Each for Equal: An Equal World is an Enabled World” at the Regional Headquarters from March to June 2020. The exhibition showcased the work of artists from diverse fields, including professionals such as Lady Rehima Hall and Miriam Smith and emerging artists such as Nashon Miller and Yashika Graham. The RCO also partnered with IGDS – Mona Campus Unit in implementing the **Hand Bag Project**. This initiative was launched on February 10, 2020 and assisted women from under-served communities with care and personal items. This project was led by Dr. Natasha Mortley and was executed under the theme #EachforEqual. Colleagues across The UWI donated handbags containing personal care and other items. On IWD, approximately 150 handbags were handed out at a community centre in Trench Town with assistance from the Girls to Women Development Foundation (GTWDF). The IGDS team also held a rap session with the women who attended. Bags were also donated to the August Town community in Kingston.
- **Louise Bennett 100 Days Celebration project:** the “Miss Lou’s Labrish” was held on September 6, 2019. The programme included addresses by Minister Olivia Grange, MCGES, Professor Wabinte Wariboko, Dean, Faculty of Humanities and Education and Mr. Fabian Coverley, son of the late, Mrs. Louise Bennett-Coverley, Ms. Lorna Goodison, Dr. Amina Blackwood-Meeks, Professor Carolyn Cooper, Ms. Beverley Lashley, Mtaburuka and Fab Five. The RCO also hosted the “Miss Lou Regional Culture Day” on October 16, 2019 at the Regional Headquarters.
- **16 Days of Activism Against Gender-Based Violence:** This period was observed with a seminar titled “Miss Lou Wife Beating Bill”, which was held on November 25, 2019. Presenters included Ms. Nadeen Spence, Student Services and Development Manager at The Mary Seacole Hall who spoke the topic “GBV on The UWI, Mona Campus” and Ms. Nattecia Bohardsingh, Chairperson of Women’s Media Watch Jamaica (WMW) and Attorney-at-Law who spoke on the “Legal Implications of GBV”. The seminar was attended by students from Ardenne High School and other stakeholders and was chaired by Professor Opal Palmer Adisa.
- During the period, teams from the RCO visited Meadow Brook High and Haille Selassie High Schools where Professor Adisa and Dr. Imani Tafari-Ama spoke on GBV respectively.
- The RCO in collaboration with The Department of Sociology, Psychology and Social Work hosted a **Brown Bag Seminar** on October 10, 2019. Dr. Swati

Parashar, University of Gothenburg, Sweden, spoke on the topic “The #MeToo Movement and Postcolonial Feminist Dilemmas: Reflections from India”. Discussants included Stacy Gavin and Kristina Neil. Dr. Natasha Mortley organized and moderated the seminar.

- In response to the COVID-19 pandemic, the IGDS hosted two **regional seminars**. The first, a Gender and Wellness Interactive webinar was organized jointly by the RCO and the MCU and was held on May 28, 2020. Presenters included Dr. Kai Morgan, Sky Jarrett, Dr. Karen Carpenter, and Professor Opal Palmer Adisa. The second, **Shouts of Whispers Webinar: Untold Stories from the Caribbean during COVID-19** was held on July 8, 2020 and was organized by a committee with representation from each of the campuses. The speakers included: Ms. Olive Edwards, Convener, Jamaica Community of Positive Women, Ms. Kagina Marquis, represented migrant women, Mr. Devon Gabourel Director, Enabling Environment and Human Rights Unit, National Family Planning Board, Jamaica and Dr. Angelique Nixon, Lecturer, IGDS-St. Augustine Campus & Director CAISO TT: Sex and Gender Justice, Trinidad and Tobago.

PUBLIC SERVICE

Professor Opal Palmer Adisa

- Member and Chair of National Civil Society Reference Group (NCSRG) of the Spotlight Initiative (SI) in Jamaica in the area of academia.
- Editor, *Interviewing the Caribbean*. Published *Caribbean Femininity + Masculinity = Gender Justice Pt. 1* (80 pages), January 2019
- *Justice*, Volume 4 part 2, An online journal, 156 pages, Spring 2019
- *Justice*, Volume 4 part 1 An online journal, 157 pages, Winter 2018
- Member of the Board of the Association of Caribbean Women Writers and Scholars (ACWWS) Judge for Scholastic Arts and Writing Awards
- Judge for Sexual Assault Awareness Month Poetry contest, Women’s Coalition of St. Croix, US Virgin Islands.

Dr. Dalea Bean

- Assistant Chief Examiner for CSEC History
- President of the Kiwanis Club of Young Professionals, Kingston
- Editorial Committee Member: *The Caribbean Journal of Strategic and Security Studies*

Dr. Natasha Mortley

- Strategic Advisor on Gender and Migration to the Organization of Eastern Caribbean States Commission.
- Member: The African-Caribbean Women’s Mobility and Self-fashioning in Post-diaspora Contexts Network. Southbank University, London UK.
- Member: Observatory on African, Caribbean and Pacific (ACP) Migration. Member: Commonwealth Scholars Alumni (Jamaica and St. Lucia Chapters).
- Member: Research and Planning Committee, United Way Jamaica.

Dr. Imani Tafari-Ama

- Research Advisor to the Manchester Peace Coalition (Jamaica)
- Member, Fellow-Me Academy of International Curators

AGILITY

INCOME GENERATION

The RCO continued to receive income from the MSc self-financing programme and pursued various fund-raising efforts. The following projects were administered during the AY:

- Jamaica National Commission for UNESCO (JNC-UNESCO) –“Positive Fathering: A Bridge to Enhancing Family Unity and Community Cohesion in Jamaica” – USD 20,000.
- The RCO received approximately JMD 1,485,000 in sponsorship from various organisations for the Louise Bennett 100 Days Celebration.

CONCLUSION

There were many challenges, some of which were occasioned by the COVID-19 pandemic. However, the resilience, agility, and commitment of the staff in response to the shifting demands of the period were central to the realization of many of the RCO’s goals. No doubt there were many lessons learned which augurs well for improvement in the ensuing year.



INTERNATIONAL CENTRE FOR ENVIRONMENTAL AND NUCLEAR SCIENCES (ICENS)

Charles Grant, MSc, *University of Surrey, Fellow of the Institute of Physics (FInstP)*
– Director General

The International Centre for Environmental and Nuclear Sciences (ICENS) continued apace with its major ongoing projects, research and commercial activities in the first half of the year of review. Among these projects were the progress of the IAEA National Project JAM5014 “Establishing a Self-Contained Gamma Irradiation Facility for the Introduction of Sterile Insect Technique and Experimental Mutagenesis and Diagnostic Technologies”, the World Bank Program on Forests (PROFOR) project, and the sargassum project. The latter part of the year in review was significantly affected by the national and international global response to the COVID-19 pandemic. This has seen delays in project activities at all levels and a reduction in publications, especially those associated with conferences, many of which were cancelled. Nonetheless strides continue to be made in meeting the mandate of the institution.

ACCESS

STUDENTS

The ICENS is not an academic department but supports various programmes of the UWI. In August 2019, ICENS continued to host two students from the Department of Chemistry’s Work Study Programme. Despite restrictions imposed by the response to the COVID-19 pandemic, two students were facilitated in July 2020 for the same programme with industrial supervision provided by Mr. Johann Antoine and Dr Adrian Spence. Mr Antoine also co-supervised a student’s thesis for the M.Sc. programme in Forensic Science which was successfully completed in December 2019. Mr. Haile Dennis is an adjunct lecturer in electrical power (nuclear) engineering in the Faculty of Engineering. On February 11th, 2020, ICENS hosted more than fifty female science students from several high schools for the International Day for Women and Girls in Science. The day included laboratory demonstrations and a

question and answer session to encourage high school girls to pursue university studies and careers in science and technology. Internships were also offered to high performing female students, but this had to be postponed due to the COVID-19 pandemic.

PUBLICATIONS

With a relatively small research staff the ICENS' main strategy for increasing the number and impact of its publications is collaboration both through the individual networking of its research scientists and involvement in larger projects such as the Intergovernmental Panel on Climate Change (IPCC) or the various International Atomic Energy Agency's Coordinated Research Projects that the ICENS is currently participating in. This extends to the University community. As an agency under the science portfolio of the Ministry of Energy, Science and Technology, the ICENS has an obligation to report to the ministry and the government though the ministry has direct access to our research. Furthermore, the ICENS' activities are aligned with the strategic priorities of its parent ministry and supports the activities of several agencies in other ministries.

Refereed Journal articles

- **A. Spence.** "Mid-IR spectroscopy as a primary tool in carbon biogeochemistry research." *Spectroscopy* 34, 8 (2019): 8–16.
- **J.A. Williams, J.M.R. Antoine.** "Evaluation of the elemental pollution status of Jamaican surface sediments using enrichment factor, geo-accumulation index, ecological risk and potential ecological risk index." *Marine Pollution Bulletin* (2020) <https://doi.org/10.1016/j.marpolbul.2020.111288>

Technical Reports

- Arneth, A., F. Denton, F. Agus, A. Elbehri, K. Erb, B. Osman Elasha, M. Rahimi, M. Rounsevell, **A. Spence**, R. Valentini, 2019: Framing and Context. In: *Climate Change and Land: an IPCC special report on climate change, desertification, land degradation, sustainable land management, food security, and greenhouse gas fluxes in terrestrial ecosystems* [P.R. Shukla, J. Skea, E. Calvo Buendia, V. Masson-Delmotte, H.-O. Pörtner, D.C. Roberts, P. Zhai, R. Slade, S. Connors, R. van Diemen, M. Ferrat, E. Haughey, S. Luz, S. Neogi, M. Pathak, J. Petzold, J. Portugal Pereira, P. Vyas, E. Huntley, K. Kissick, M. Belkacemi, J. Malley, (eds.)]
- **J. Antoine** "Provenance Studies of Food and Environmental Samples by Neutron Activation Analysis and related techniques," IAEA Coordinated Research Project (CRP) F11021, Enhancing Nuclear Analytical Techniques to Meet the Needs of

Forensic Science, Second Annual Progress Report. International Atomic Energy Agency, November 2019.

- M.W. Beck, S. Narayan, I.J. Losada, A.E. Hermosa, S.T. Ortega, A. Mandal, R.-A. Smith, T. Edwards, R. Kinlocke, S. Mitchell, C. Trench, M. Webber, P. Francis, **A. Spence**, P.E.T. Edwards, (2019). Forces of Nature: Assessment and economic valuation of coastal protection services provided by mangroves in Jamaica. World Bank Program on Forests (PROFOR), November 2019.
- **L.A. Hoo Fung**. “Leaching of Lead from Artisanal Aluminium Cookware in Jamaica: Summary and Recommendations”. Toxic Site Identification Program (TSIP) report, Pure Earth/ Blacksmith Institute, May 2020.

ALIGNMENT

ICENS is involved in two IAEA coordinated research projects that have an impact on agriculture/industry – CRP D54042 “Implementation of Nuclear Techniques for Authentication of Foods with High-Value Labelling Claims” and CRP F11021 “Enhancing Nuclear Analytical Techniques to the Meet the Needs of Forensic Science.” Both investigate the provenance of Jamaican coffee and the latter also looks at Cannabis research.

Collaborative research on Sargassum with the UWI’s Centre for Marine Sciences that commenced following the Interregional Workshop on the Use of Nuclear Techniques for Sargassum Control held at the Mona Visitor’s Lodge from November 5th to 7th, 2019, aims to provide insight into the nuisance blooms that have affected tourism, fishing and other coastal pursuits in the region.

PAPERS PRESENTED

- D. Barker, D. Campbell, **A. Spence**, A. Moulton, Small-scale farming, rural change and traditional knowledge in Millbank, Upper Rio Grande Valley, Jamaica. The American Association of Geographers’ annual meeting, April 6–10, 2020 (oral presentation).
- **T. Wallace**, **A. Spence**, D. Campbell, D. Barker. “Impact of erosion on the nutrient and chemical profiles of agricultural soils in the Upper Rio Grande Valley, Jamaica.” Goldschmidt 2020, Virtual, June 21–26, 2020 (oral presentation).
- **L.A. Hoo Fung**. “The Nexus of Climate Change, Food Security and COVID-19 in Jamaica”. Centre of Excellence for Research and Applied Studies on Climate Change and Sustainable Development (C3SD-NRC) Webinar: Climate Change Risks and Impacts on Vulnerable Communities Post COVID-19. July 8, 2020 (oral presentation)

PUBLIC SERVICE

Several senior staff members at ICENS are involved in various public service activities including membership in professional societies, advisory bodies and technical committees. Additionally the research scientists also act as reviewers for several high impact factor peer-reviewed journals.

Mr. Johann Antoine

- Vice-chair, Chair, National Mirror Committee/ISO TC/93 Starch-including derivatives and by-products (Bureau of Standards Jamaica) 2019 to present.

Mr. Charles Grant

- Member of National Bioethics Committee;
- ARCAL National Coordinator (Jamaica), and member of the ARCAL;
- Technical Coordination Board (OCTA which oversees all ARCAL Projects);
- Member, Ministry of Energy Committee on Nuclear Energy as an option for Jamaica;
- Member, NEPA/UNDP Committee for renewable wave energy technologies for the generation of electric power in small coastal communities in Jamaica;
- National Coordinator for Incident Reporting system for Research Reactors;
- National Coordinator, IAEA Radiation Safety Information Management System; (RASIMS);
- Chair, Hazardous Laboratory Waste Ad-Hoc Committee (Ministry of Science, Energy and Technology/ National Commission on Science and Technology).
- Fellow, Institute of Physics

Ms. Leslie Hoo Fung

- Chair, National Food Standards Committee (ISO TC34 Mirror committee, convened by the Bureau of Standards, Jamaica)
- ISO/IEC 17025 Assessor, Jamaica National Agency For Accreditation
- Member, Codex Committee on Methods of Analysis and Sampling (subcommittee, Jamaica)
- Member/ Technical Advisor, Hazardous and Laboratory Waste Ad-Hoc Committee (HALWAC) – Treatment, Disposal and Laboratory Guidelines Subcommittee, National Commission on Science and Technology/Ministry of Science, Energy and Technology, Jamaica
- Royal Society of Chemistry, May 2012–present
- AOAC International, April 2016–present

Mrs. Sandra Hunter

- Fellow of the Institute of Chartered Accountants, Jamaica.

Mr. John Preston

- Member, Land Information Council of Jamaica;
- Independent Member, GOJ Telecommunications Appeals Tribunal.

Dr. Adrian Spence

- Member of the Geochemical Society;
- Member of the American Chemical Society;
- Member of the Royal Society of Chemistry;
- Chemistry Ambassador and Co-Advisor, American Chemical Society (ACS) Student Chapter, UWI.

AGILITY

INCOME GENERATION

The ICENS has three main income-generating activities. Firstly, there are the nuclear and non-nuclear analytical techniques that analyse for the inorganic constituents of various samples. During the year in review there was an upturn in analytical requests, almost entirely from the medical cannabis industry for the analysis of potentially toxic elements for compliance. This demand was handled by neutron activation analysis, energy-dispersive X-ray fluorescence and direct mercury analysis. The acquisition of a portable colorimeter has expanded the number of parameters that can be measured in many sample types particularly water samples and has opened a new line of analytical services that has already proven to be viable.

Secondly, the ICENS offers thermoluminescence dosimetry (TLD) services. During the year in review a total of 2,440 TLD users from one hundred and forty (140) institutions were monitored which generated revenue of approximately US\$132,000. While there has been a steady increase in the number of users because of the passage of the Nuclear Safety and Radiation Protection Act of 2015 which also empowers the Hazardous Substances Regulatory Authority and the subsequent gazetting of the Nuclear Safety and Radiation Protection regulations of 2019, there was no increase by the latter part of the year in review. This was attributed to the COVID-19 pandemic response which affected the operations of several potential clients, although the number of institutions monitored increased by four (4).

Finally, the ICENS does generate income through various activities under the general

umbrella of radiation safety and protection services. These include incidences of orphan source recovery, swipe and leak testing, radiation safety training, etc. These are periodically undertaken as consultancies. During the review period two such consultancies were undertaken:

- Jamaica Customs Agency – Radiation protection program assessment for the NMIA and Kingston wharves Limited – September 2019, US\$16,800.
- WINDALCO – The development of Inventory of Radiation Sources and assessment of safety protocols related to their use – July 2020, US\$24,000.

The ICENS is also the lead organization or participating in several on-going institutional, national regional and interregional projects that are funded by the IAEA. These include:

- CRP J02006 – “Nuclear Security for Research Reactors and Associated Facilities” running from December 9th, 2015 to December 8th, 2020 and receiving total funding of €14,000.
- CRP F11021 – “Enhancing Nuclear Analytical Techniques to Meet the Needs of Forensic Science” running from June 12th, 2017 to December 2021 (project extended from June 11th, 2020) and receiving total funding of €20,000.
- CRP D52042 – “Implementation of Nuclear Techniques for Authentication of Foods with High-Value Labelling Claims” running from March 2019 to March 2024 and earmarked to receive total funding of €35,000.
- JAM1001 – “Upgrade of Reactor Infrastructure at the University of West Indies SLOWPOKE Facility JM-1” – which had a start date of January 2016 and is on-going and the budget for this project is €1,010,000.00.
- RLA0059 – “Strengthening Regional Cooperation” which commenced in January 2018 and is on-going with a total budget allocation of €190,575.00.
- INT0093 – “Applying Nuclear Science and Technology in Small Island Developing States (SIDS) in Support of the Sustainable Development Goals and the SAMOA Pathway” is slated to run from January 2018 to January 2022 and has a total budget allocation of €828,806.25.



MONA AGEING AND WELLNESS CENTRE

Professor Denise Eldemire-Shearer – Head

WORK OF MONA AGEING AND WELLNESS CENTRE

The Mona Ageing and Wellness Centre (MAWC) continues its multi-disciplinary approach of improving the health and well-being of the older adult population nationally and regionally through innovative ageing-related research, teaching and community outreach.

CONSULTANCIES

MAWC (led by Professor Denise Eldemire-Shearer) completed the National Strategic Plan on Ageing and Health. The Consultancy was commissioned by the Pan American Health Organization and supported by the Ministry of Health and Wellness (MOHW). The document is currently awaiting approval from the Chief Medical Officer of the MOHW.

MAWC (through Dr Kimberly Ashby-Mitchell) has been commissioned by the Inter-American Development Bank (IDB) to conduct a case study on ageing and long-term care in Jamaica. This case study will be the first of its kind for an English-speaking country in Latin America and the Caribbean (LAC) and will provide the IDB with information to support ageing initiatives in Jamaica and the LAC region. The work aligns well with MAWC's commitment to providing evidence to guide action.

RESEARCH

The Centre is awaiting disbursement of funds to support data collection activities for the study on “Breast Cancer Burden and Screening Strategies in Jamaica”. The aim of the project is to determine the burden and subtype distribution of breast cancer in Jamaican women and to describe physicians' screening-related knowledge and practices towards women across age spectrums and with varying comorbidities. This project will be done in collaboration with Dr. Sonya Reid M.D., Haem/Oncology Fellow,

Vanderbilt University, Nashville, Tennessee. It was approved by the University of the West Indies Ethics Committee and will be funded by the Ministry of Health Research Grant Awards to Dr. Kayon Donaldson-Davis (MAWC) \$1.5 million.

The Centre is currently undertaking two studies examining the effect of coronavirus disease 2019 (COVID-19) and containment measures on older persons. The first study, led by Dr Kayon Donaldson-Davis, focuses on the effect on health and health services utilization and is at the stage of data analysis. Data collection is underway for the second study which focuses on the effect on social relationships and support and is led by Dr Douladel Willie-Tyndale. Both studies are expected to provide information to guide the development of protocols, messaging, support systems and response activities in relation to social and physical distancing.

TEACHING/TRAINING

The graduate programmes in Gerontology which are delivered by MAWC in partnership with the Department of Community Health and Psychiatry had a total intake of 6 students for the 2019/2020 academic year. Three students were enrolled in the Master of Public Health – Gerontology programme, of which two were successful in their coursework and final exams and have been recommended for award of the degree. The third student is expected to complete the programme in December 2020. The MPhil/PhD Ageing Studies also had an intake of three students. No students were registered in the Post-graduate Diploma in Gerontology for the year under review.

A new Post-graduate Diploma in Geriatrics will be introduced in January 2021. The programme's main focus is to prepare Medical Doctors (Primary Care Physicians) for the specialized care of older adults and to confront contemporary difficulties with measures which suit the local health systems and population. This programme will also act as the premier, centralized training interface for Geriatrics within the Caribbean. The programme will span one academic year and be offered remotely for regional participants. The Programme will be offered jointly with the Department of Medicine.

In collaboration with the Red Cross, MAWC offered training and certification in First Aid and CPR. The training was over-subscribed. Interested persons who could not be accommodated have been placed on a waiting list for the next offering.

COMMUNITY SERVICE & OUTREACH

The MAWC continues to provide ongoing community support and services for older persons, their relatives, caregivers, schools and communities in general.

Computer Classes

In spite of the regular requests for the scheduling of Computer classes, they were not held during the period under review as the student quota was not met. Contact information for all interested persons has been retained for future classes. MAWC intends to improve its marketing of the classes to increase intake. The classes are offered at a minimal cost and are focused on introducing older adults to computers, typing documents, browsing the internet, creating and accessing email. Past participants have lauded the class for appropriateness of content and expert delivery and instruction.

Gym

On average eight persons attend the gym weekly. Sessions were suspended in the first quarter of 2020 in-keeping with the Government-instituted COVID-19 stay-at-home orders and other physical distancing guidelines.

Public Engagement Activities

- In commemoration of the United Nations' International Day of Older Persons (October 1), three activities were undertaken: two radio interviews (NCU FM and Power 106) and a community outreach activity at the George Abrahams Home in August Town.
- A special Christmas Treat was organized for the residents of The George Abrahams Home on Friday, December 13, 2019.

Dissemination of Ageing Information

- The Centre produces a quarterly newsletter called MONAge. The periodical shares information on the work of Mona Ageing and Wellness Centre in addition to resources for older adults and prospective clients. Dr. Julian McKoy Davis serves as Editor-in-Chief.
- The Centre continued the online initiative of engaging the public through its Facebook page <https://www.facebook.com/uwimawc>. This provides a platform for disseminating valuable information to the public on a variety of topical ageing issues and allows for mutual exchanges between the Centre and its stakeholders.
- Emails providing relevant information on issues affecting older adults and public health systems are circulated to organizations including National Council for Senior Citizens, Caribbean Community for Retired Persons (CCRP) and to retired UWI staff. This initiative is being led by Ms. Annazika Watkins.
- In recognition of Careers in Ageing Week (April 19–25, 2020), MAWC prepared an article highlighting various career options in the field of the ageing. The article

targeted high school students and was featured in *The Gleaner's Youthlink Magazine*, May 19, 2020.

Day Centre

This initiative is still in the planning phase. Arrangements for the needed resources including physical infrastructure are yet to be finalized; primarily the allocation of a house promised by UWI.

SCHOLARLY WORK

Papers/Posters Presented At Scientific Meetings

- Eldemire-Shearer, D., Donaldson-Davis, K., McKoy Davis, J. and Willie-Tyndale, D. Disaster Preparedness. Perspective from a Caribbean island, Jamaica. Paper presented at the Annual Scientific Meeting of the Gerontological Society of America held in Austin, Texas, USA, November 13–17, 2019.
- McKoy Davis, J., & Eldemire-Shearer, D. Financial literacy, retirement, and becoming financially capable in a developing country. Paper presented at the Annual Scientific Meeting of the Gerontological Society of America held in Austin, Texas, USA, November 13–17, 2019.
- McKoy Davis, J. Policy and economic influences on retirement, financial literacy, and economic security in Jamaica. Paper presented at the Annual Scientific Meeting of the Gerontological Society of America held in Austin, Texas, USA, November 13–17, 2019.
- Donaldson-Davis, K. Retirement financial literacy levels among Jamaicans. Paper presented at the Annual Scientific Meeting of the Gerontological Society of America held in Austin, Texas, USA, November 13–17, 2019.
- Willie-Tyndale, D. Piloting the Money Smart financial literacy program in Jamaica. Paper presented at the Annual Scientific Meeting of the Gerontological Society of America held in Austin, Texas, USA, November 13–17, 2019.
- Donaldson-Davis, K. Disaster Preparedness among Adults over 60 years in Jamaica. Paper presented at the 4th Biennial Nursing and Midwifery Research Conference. The University of Technology, Jamaica on August 8–9, 2019.

Posters displayed

- Willie-Tyndale D, Mckoy-Davis J, Waldron NK, Holder-Nevins D, and Eldemire-Shearer D. Gender Differences in Health and Health Determinants among Older Persons in Jamaica. Poster displayed at Research Days 2019, The University of the West Indies, Mona. February 2019.

PUBLICATIONS

Book Chapter

- Eldemire-Shearer, D., Willie-Tyndale, D., Robinson, C. and McKoy Davis, J. (2019). Elder Abuse – An examination of the situation in Jamaica. In Shankardass M. (Ed.). *International Handbook of Elder Abuse and Mistreatment*. Singapore: Springer Nature. DOI: <https://doi.org/10.1007/978-981-13-8610-7>
- Eldemire-Shearer, D. (2019). *Growing older and the art of living: A Doctor's Prescription. Connecting The Dots: Life-Work -Balance – Ageing*. In Mohammed, P. & Boodram C. (Eds.). Kingston: Ian Randle Publishers.

Peer-reviewed Article

- Reid, S., Donaldson-Davis, K., James, K., Willie-Tyndale, D., Thompson, C., Wharfe, G., Gibson, T., and Eldemire-Shearer, D. (2020). Breast Cancer in Jamaica: A Description of Mortality Trends from 2010 to 2014 *The Journal of Global Oncology*. 6 (2020): 837-843. DOI: 10.1200/GO.20.00022
- James, K., Thompson, C., Holder-Nevins, D., Donaldson-Davis, K., Willie-Tyndale, D., McKoy Davis, J., Chin-Bailey, C., and Eldemire-Shearer, D. (2020). Socio-demographic, health and functional status correlates of caregiver burden among care recipients age 60 years and older in Jamaica. *Journal of Community Health*. DOI: 10.1007/s10900-020-00865-1.
- James, K., Thompson, C., Holder-Nevins, D., Willie-Tyndale, D., McKoy Davis, J and Denise Eldemire-Shearer. (2020). Caregivers of Older Persons in Jamaica: Characteristics, Burden, and Associated Factors. *Journal of Applied Gerontology*. DOI: 10.1177/0733464819898315.
- James, K., Thompson, C., Willie-Tyndale, D., Holder-Nevins, D., Gibson, R., Johnson, P, McKoy Davis, J., & Eldemire-Shearer, D. (2019). Performance and Receiver Operating Characteristics of the Mini-Mental State Examination Instrument in Detecting Dementia in a Rapidly Developing Country (Jamaica). *Journal of Geriatric Psychiatry and Neurology*. 32(4): 195–204. DOI: 10.1177/0891988719841722.

Non-refereed Research-Based/Scholarly Publications

- McKoy Davis, J. (2019). Delaying retirement for financial reasons. Graduate Student Feature in: Research for development 2019. Driving social & economic development. The University of the West Indies.

PUBLIC SERVICE

MAWC academic staff members continue to serve in various capacities locally and internationally. Staff members are playing critical roles in the response to the current COVID-19 pandemic. In particular, Professor Eldemire-Shearer provides technical advice to decision-makers regarding the health welfare of older persons and has participated in national Town Hall meetings and international webinars in this regard. Dr. McKoy-Davis and Professor Eldemire-Shearer have been guests on radio and television programmes addressing special considerations for older persons during the pandemic. Dr. Donaldson-Davis has volunteered at the National Emergency Operations Centre manning telephone hotlines and analysing call data. The team has also prepared newspaper articles as well as information brochures for distribution. Details of key membership and service involvement are outlined below:

Professor Denise Eldemire-Shearer, PhD

2017–Present	Health Research MOH Committees	–	Chair
2016–Present	PIOJ Health TWL/Vision 20/30	–	Member
2016–2019	10 Year Strategic Plan Ministry of Health	–	Member
2016–Present	UHWI Hospital Board	–	Member
2016–Present	Caribbean Community Retired Persons	–	Honorary Chairman
2016–2018	Homeless Task Force Ministry of Health	–	Member
2007–Present	National Council for Senior Citizens	–	Patron
2002–Present	Central Health Committee	–	Member
1987–Present	Action Ageing Jamaica	–	Executive Director
2014–Present	International Federation on Ageing (IFA)	–	Member
1988–Present	Foundation Member, Caribbean Public Health Association (CARPHA)	–	Member
1987–Present	Medical Association of Jamaica (MAJ)	–	Member
1982–Present	Gerontological Society of America	–	Member

Douladel Willie-Tyndale, PhD

2014–Present	Gerontological Society of America	–	Member
2014–Present	International Federation on Ageing (IFA)	–	Member

2012–Present	Mona Campus Research Ethics Committee	–	Member
2011–Present	<i>West Indian Medical Journal</i>	–	Reviewer
Julian McKoy Davis, PhD			
2019–Present	Canadian Association of Gerontology	–	Member
2018	International Federation on Ageing Annual Conference Canada (August)	–	Volunteer
2017–2019	Technical Policy Committee reviewing the National Policy for Senior Citizens, Green Paper 2018	–	Member
2017–Present	International Federation on Ageing	–	Member
2017–Present	<i>Journal of Health Care for the Poor and Underserved</i>	–	Reviewer
2017–Present	<i>Grand Families: The Contemporary Journal of Research</i>	–	Reviewer
2016–Present	National Council for Senior Citizens	–	Board Member
2014–Present	Gerontological Society of America	–	Member
Kayon Donaldson-Davis, B.Sc. MBBS			
March–April 2020	National Emergency Operations Centre	–	Volunteer
2019–Present	Gerontological Society of America	–	Member
2019–Present	Jamaica Medical Doctors Association	–	Member

NATURAL PRODUCTS INSTITUTE

Dr. Rupika Delgoda, D.Phil. (*Oxon*), B.Sc. (Hons.) – Executive Director



WORK OF THE INSTITUTE

This academic year of the Corona virus pandemic saw staff and students of the Natural Products Institute resilient and doing the utmost to help contribute to the scientific sphere. Of particular note are the contributions to a Nature journal article on the future of ethnobotanical research, publications on status of resistance to insecticides in mosquitoes from Jamaica, and contributions to the Faculty's speaker series on COVID related research. From September until March Professor Delgoda was away on Sabbatical at the University of Massachusetts, Amherst as a research scholar, while Dr. Sheena Francis was at the Centers for Disease Control and Prevention Atlanta as a visiting scholar and Dr. Picking was acting Director. It was particularly pleasing to have three of our graduate students getting the opportunity to travel overseas for research training in the academic laboratories in the USA and South Africa. The Society for Economic Botany (SEB) conference, which was slated for May 2020, was postponed and plans put in place for 2021. The partnership between UWI and Field Trip Ventures, Canada was formalized during this year and NPI staff and students were engaged in various roles in assisting the commencement of a research laboratory based on psilocybin mushrooms on campus.

ACCESS

STUDENTS

Three PhD candidates being supervised at NPI were given the opportunity to travel overseas for research training during this academic year. They are :

- **Foster, K**, Travel to University of Free State, South Africa (August 8–October 3, 2019) (Sponsored by Funds from the Government of Jamaica-South Africa agreement).

- **Morrison I**, Travel to University of Massachusetts, Amherst, USA (September 4, 2019–January 21, 2020), (Sponsored in part by UWI Graduate Studies and Research and UWIDEF)
- **Wauchope S**, Travel to University of Massachusetts, Amherst, USA (December 27, 2019–February 3, 2020), (Sponsored in part by the UWIDEF)

The students were also involved in grant applications (see below)

PUBLICATIONS

Peer reviewed journal articles

- **Francis, S** Crawford J, McKenzie S, Campbell T, **Wright D**, Hamilton T, Huntley-Jones S, Spence S, Belemvire A, Alavi K and Torres Gutierrez C, “Comparative toxicity of larvicides and growth inhibitors on *Aedes aegypti* from select areas in Jamaica”, *Royal Society Open Science*, 2020 Mar 18;7(3):192041. <https://doi.org/10.1098/rsos.192041>
- **Francis S**, Campbell T, McKenzie S, Wright D, Crawford J, McKenzie S, **Wright D**, Crawford J, Hamilton T, Huntley-Jones S, Spence S, Belemvire A, Alavi K, Torres Gutierrez G. (2020) Screening of insecticide resistance in *Aedes aegypti* populations collected from parishes in Eastern Jamaica. *PLOS Neglected Tropical Diseases* 14(7): e0008490. <https://doi.org/10.1371/journal.pntd.0008490> Published 27 Jul 2020.
- Nwokocha M, Romero C.A, Holder C, Whyllie N, Wong H, Lietch J, Wilks R, Hosang M, **Francis S**, Brown P.D and Paul T. Blood Pressure Screening Campaign in Jamaica: May Measurement Month 2017. *American journal of hypertension*, 2019 Dec; 32(12), pp.1186–1191. <https://doi.org/10.1093/ajh/hpz117>
- Vandebroek, I , Pieroni, A, Stepp, A, Hanazaki, N, Ladio, A, Romeu Alves, R, **Picking, D**, **Delgoda, R**, Maroyi, A, van Andel, T, Quave, C, Paniagua-Zambrana, N, Bussmann, R, Odonne, G, Abbasi, A, Albuquerque, U, Baker, J, Kutz, S, Timsina, S, Shigeta, M, Oliveira, T, Hurrell, J, Arenas, P, Puentes, J, Hugé, J, Yeşil, Y, Jean Pierre, L, Olango, T , Dahdough-Guebas, F. “Reshaping the future of ethnobiology research after the Covid-19 pandemic” in *Nature Plants*. 2020 Jul;6(7):723-730. doi: 10.1038/s41477-020-0691-6.
- **Picking D**, **Delgoda R**, Vandebroek I, “Traditional knowledge systems and the role of traditional medicine in Jamaica”, CAB Reviews, 2019 Oct 14: 1–13. doi: 10.1079/PAVSNNR201914045

Book Chapter

- **Picking, D**, Vandebroek, I, “Traditional and Local Knowledge Systems in the Caribbean: Jamaica as a case study” in *Traditional and Indigenous Knowledge Systems in the Modern Era: A Natural and Applied Science Perspective*, Katerere, D, Applequist, W, Aboyade, O, Togo, C (ed), CRC Press, Boca Raton, 2019 Sept, <https://doi.org/10.1201/b21965>.

Abstracts

- Watson J, **Picking D**, Lamm A, **Delgoda R**, “CYP450 activity inhibition by *Guazuma ulmifolia* and major phytochemical constituent, procyanidin 2 *in vitro*: Assessing the potential for drug interactions”. Abstracts of 67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA) in cooperation with the French Society of Pharmacognosy AFERP 1–5 September 2019, Innsbruck, Austria. *Planta Medica* 2019; 85: 1386–1590.
- Parchment K, **Francis S**, Guyah K, Margaritis J, Belemvere A, Spence S, Huntley-Jones S, Torres Gutierrez C. “Reducing and destroying the Zika virus vector in Jamaica”. Abstract from American Society of Tropical Medicine and Health Annual Meeting 20–24 November 2019. Maryland, USA. *AJTMMH* 2019; Late Breaker (Supplemental) 19-LB-4499

Technical Report

- Pan American Health Organisation (PAHO). *Jamaica Integrated Vector Management Strategy 2020–2025*. Prepared by Francis S and Huntley-Jones S (2019). Submitted to Pan American Health Organisation Office for Jamaica, Bermuda & the Cayman Islands September 2019.

ALIGNMENT

ACADEMIC AND PUBLIC PRESENTATIONS

- **Foster K**, **Wauchope S**, Asemota H, Barker J, Langat M, Smith K and **Delgoda R**, “The Cytotoxic impact of *Annona muricata* (crude extraction and key phytochemical) on triple negative breast cancer” 8th Annual SOSA Conference. UWI Regional headquarters. November 22, 2019
- **Delgoda R** (Keynote panelist), “Achieving Global Equity Through STEM Education and: Health, Environment & Policy”. The UMass Amherst Institute

for Global Health (IGH). The Old Chapel, UMass Amherst, USA. November 21, 2019.

- Watson J, **Picking D**, Lamm A, Delgoda R, “CYP450 activity inhibition by *Guazuma ulmifolia* and major phytochemical constituent, procyanidin $\beta 2$ *in vitro*: Assessing the potential for drug interactions.” 67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Innsbruck, Austria, 1–5 September 2019.
- **Francis S**, Delgoda R “Examining the potential of Jamaican plant extracts as insecticides against *Aedes* and *Anopheles* spp. mosquitoes.” Centers for Disease Control and Prevention, USA. February 25th 2020.
- Parchment K, **Francis S**, Guyah K, Margaritis J, Belemvere A, Spence S, Huntley-Jones S, Torres Gutierrez C. Reducing and destroying the Zika virus vector in Jamaica. Abstract from American Society of Tropical Medicine and Health Annual Meeting Maryland, USA, 20–24 November 2019.

Workshops attended

- Critical Thinking for Managers and Decision Makers. Jamaica Employers’ Federation training workshop. Institute of Chartered Accountants of Jamaica. November 20–21, 2019 (**Stewart K**).
- Overcoming Disparities in Translational Research. 8th Annual SOSA Conference. UWI Regional headquarters. November 22, 2019 (**Foster K., Wauchope S.**)
- Supervisors Training Workshop. Faculty of Science & Technology. November 29, 2019 (**Picking D.**)
- Vector base Eukaryotic Pathogen Database resources on “Gene Ontology and other enrichment analyses in VEuPathDB,” May 28, 2020. (**Francis, S.**)

PUBLIC SERVICE

Rupika Delgoda

- Deputy Chair, Natural History Museum of Jamaica
- Member, Steering Committee, National Nutraceutical Industry, Jamaica
- Trustee, Jamaica Conservation Partners
- Member African Caribbean Cancer Consortium
- Member American Society for Pharmacognosy

Sheena Francis

- Member Rearing and Evaluation of *Aedes aegypti* for Sterile Insect Technique Jamaica

- Member, American Society of Tropical Medicine and Health
- Board Member, Caribbean Diaspora for Science, Technology and Innovation (CADSTI)
- Organiser for Sagicor Visionaries Competition
- Member, Caribbean Academy of Sciences
- Member, Jamaica Organic Agriculture Movement
- Jamaican Young Scientist Forum

David Picking

- Chair – organising committee, joint conference of Society of Economic Botany (SEB) and International Society of Ethnobiology (ISE) to be hosted by UWI 2021
- Contributing Member, Steering Committee, National Nutraceutical Industry, Jamaica
- Board of Directors, Perishables Jamaica
- Board member, UJIMA Natural Farmers Market
- Shareholder, South Manchester Herbs and Spices Multi-purpose Cooperative Society
- Member Society for Economic Botany
- Member Society for Medicinal Plant and Natural Products Research (GA)

Trevor H. Yee (Retired, honorary member)

- Treasurer, the International Society for the Development of Natural Products (ISDNP)
- Executive Committee, the Natural History Society of Jamaica (NHSJ).

AGILITY

INCOME GENERATION

- “Evaluating the value of Jamaican natural products (from endemic plants, marine organisms, fungal metabolites) in cancer treatment and prevention: expansion of current capacity” The University of the West Indies Development & Endowment Fund (UWIDEF) Grant (J\$2M), February 2020. **Team:** Wright D., Foster, K., Morrison, I Wauchop S., Delgoda R. (PI), Gallimore W. (Co-PI), Aiken W., Chin S., Plummer J., Picking D. (Collaborators).

Collaborations and entrepreneurial activities

- Research Service Agreement between Field Trip Natural Products and UWI, signed on April 6, 2020, to conduct research on Psilocybin mushrooms. Project valued at US\$1M.
- Leasing and renovations of the Mechanical Workshop building (near Department of Physics) commenced in June 2020.
- Memorandum of Agreement was signed between the Flagstaff Maroon Community and UWI (through work with NPI staff, Delgoda R. and Picking D.), July 31, 2020.

SIR ARTHUR LEWIS INSTITUTE OF SOCIAL AND ECONOMIC STUDIES

Professor Aldrie Henry-Lee, BSc, MSc, PhD – Director



OVERVIEW

The academic year 2019–2020 was a challenging one with the COVID-19 pandemic causing great disruptions in the workplace. The SALISES staff rose to the challenge and continued to implement the Institute’s strategic plan directed by UWT’s Triple A goals of Access, Alignment and Agility and governed by SALISES’ strategic principles of transformation, excellence, accountability and mission-driven activities (TEAM).

Prior to COVID-19, SALISES had received approval for the conversion of the MSc in Development Studies programme from face-to-face delivery mode to an online delivery platform. The Commonwealth of Learning (COL) funded and hosted training sessions for SALISES lecturers. Staff also benefited tremendously from guidance provided by the Office of Online Learning (OOL).

Intense marketing efforts resulted in a 263% increase in student enrolment. Of the 102 completed applications received, 62 offers were made and 19 provisional offers were issued. Forty-three acceptances were received and 7 deferrals. The primary reason for deferrals was the inability to finance the programme.

SALISES continued its alignment with the needs of the Caribbean region and SALISES staff were involved in several commissioned research projects sponsored by regional and international agencies, including the Caribbean Development Bank (CDB), United Nations Development Programme (UNDP) and USAID. Publications by SALISES Staff included two books, book chapters and articles. The institute hosted or co-hosted successful several seminars and webinars on the impact of the COVID-19 pandemic. SALISES staff continued to provide outstanding university and public service.

SALISES efforts to increase accountability was further strengthened by the establishment of an Advisory Board in November 2018. The second meeting was held on August 14, 2020. In spite of the challenges presented by the pandemic, it was a successful year for SALISES.

WORK OF THE DEPARTMENT

Derek Gordon Databank

The Databank strengthened and expanded the Institute's online presence by highlighting SALISES publications, research work, seminars, awards, supporting webinars and maintaining a strong social media presence.

The following micro data sets were acquired and made available to UWI staff and students:

- Guyana Labour Force Survey 2017, 2018, 2019 – Guyana's Bureau of Statistics
- Global Entrepreneurship Monitor (GEM) for Jamaica (national and individual levels) 2011, 2015 – UTech, Ja.
- Global Entrepreneurship Monitor (GEM) for Global (national and individual levels) 2011, 2015 – UTech, Ja.
- Multiple Custer Indicator Survey
 - Guyana 2000, 2007, 2014
 - Cuba 2011, 2014

Norman Girvan Documentation Centre

Staff continued to work with Research Fellows/academic staff for the Selective Dissemination of Information (SDI) and providing updates on new publications from other research institutions pertinent to the SALISES research agenda and their research interest.

During COVID-19, the Documentation Centre embarked on handling all requests online through virtual referencing and providing digitized copies of materials to library clients. The digitization of the Erna Brodber oral history project was initiated in June 2020 and will be completed by the end of 2020.

SALISES hosted a Virtual Handover Ceremony for the Reverend Dr Margaret Fowler Book Collection to NATFATIP and SALISES on Tuesday August 25, 2020. The collection is housed in the SALISES Library.

PUBLICATIONS

- A new cover design was developed to maintain the attractiveness of the *Social and Economic Studies (SES) Journal* and upgrade production values. The new cover was implemented in 2020 with Volume 68, Number 1, an issue with a focus on Arthur Lewis.

- A special issue on Reparations, Volume 68, Number 3&4 which was guest edited by Sir Hilary Beckles, Professor Verene Shepherd and Professor Ahmed Reid was also published.

ACCESS

STUDENTS

SALISES sought to increase access for students by the conversion of the MSc Development Studies programme from face-to-face delivery mode to an online delivery platform. This transformational activity was a success and the new programme will commence in September 2020.

The MSc programme was marketed locally, regionally and internationally on social media platforms, magazines and a student recruitment website (masterstudies.com). Marketing initiatives resulted in a 263% increase in student numbers for the 2020/2021 academic year.

PUBLICATIONS

Books & Monographs

- **Henry-Lee, A.** 2020. *Transformative Childhood. In Endangered and Transformative Childhood in Caribbean Small Island Developing States.* Palgrave Macmillan.
- **Paul, A.** June 2020. *Stuart Hall (Caribbean Biography Series).* Kingston: UWI Press. 152 pages.

Book Chapters

- Baptiste, L., Iese, V., Gordon, V., **Bailey, A.**, Persaud, N., Nicholson, C., Deam, A., Wairiu, M., Navunicagi, O. and Tarai, J. 2019. "The transformative agenda for evaluation in Small Island Developing States: The Caribbean and the Pacific." (In Eds. Van den Berg, R. Magro, C. and Salinas Mulder, S.) *Evaluation for Transformational Change.*
- **Dietrich Jones, N.** 2020. "The Venezuela-Trinidad and Tobago Migration Corridor." In Routledge *Handbook of Migration and Development*, edited by Tanja Bastia and Ronald Skeldon, 492–500. London: Routledge.
- **Henry-Lee, A.** 2020. "Social growth and social transformation: Experiences from the Caribbean" in *The Politics of Social Inclusion Bridging Knowledge and Policies Towards Social Change.* Edited by Gabriele Koehler, Alberto D. Cimadamore, Fadia Kiwan, and Pedro Manuel Monreal Gonzalez. Columbia University Press.

Refereed Journal Articles

- Dietrich Jones, N. 2020. “Critical Reflections on the Process of Undertaking Qualitative Research on Forced Migration in Small Island Developing States.” *Emerging Scholars and Practitioners on Migration Issues (ESPMI) Refugee Review*, Vol IV: 32–52.
- Henry-Lee, A. and Johnson-Coke, Y. (2019), “The Convention on the Rights of the Child (CRC), the Global Developmental Agenda and Children in Small Island Developing States (SIDs)”, *Human Rights for Children and Youth. Sociological Studies of Children and Youth*, Vol. 24, pp. 35–58.
- Leslie, D. 2020. Reassessing Conditions of “Prison” in Jamaica. *International Criminal Justice Review*. <https://doi.org/10.1177/1057567720922283>.
- Paul, A. 2020. “Gift Economies and the Ocean.” *Thyssen-Bornemisza Art Contemporary: The Commissions Book*. Edited by Daniela Zyman and Eva Ebersberger. Berlin: Sternberg Press, pp. 795–800. 1,336 pages. ISBN 978 3 95679 555 8.
- White, T. 2019. “Squatting on the Hellshire Beach: Effects on the Environment and Significance in Landscape History” *Jamaica Journal*, Vol 37, no. 3.

Technical Reports

- Leslie, D., with C. Wright, J. Patel & D. Hope. 2020. *Swift and Sure Justice through Effectively Caring for Witnesses* (88 pages). Funded by: Government of Canada and the United Nations Development Programme (7 January).
- Leslie, D. 2020. *Towards an Integrated Strategic Plan for Witness Care in Jamaica (99 pages)*. (Amalgamation of The University of the West Indies Open Campus, Caribbean Child Development Centre Report on “Strengthening Networks and Services that Improve Citizen’s Access to and Experience of the Justice System in Jamaica AND “Swift and Sure Justice through Effectively Caring for Witnesses”). Funded by: Government of Canada and the United Nations Development Programme (3 June).
- Leslie, D. 2019. *Operational Review of the Ministry of Labour and Social Security’s on the Job Training (Pilot) Project* (80 pages). Commissioned by: Ministry of Labour and Social Security. (12 August).
- Leslie, D. 2019. *Report on the recommendations for the roll-out of the OJT Programme in the Operations of the Public Assistance Division of the Ministry of Labour and Social Security*. (68 pages). Commissioned by: Ministry of Labour and Social Security (13 August).

ALIGNMENT

PAPERS PRESENTED

- Pschetz, L., Dixon, B., Pothong, K., **Bailey, A.**, Glean, A., Soares, L. and Enright, J. (2020) “Designing Distributed Ledger Technologies for Social Change: The Case of Caricrop, CHI 2020: The ACM CHI Conference on Human Factors in Computing Systems”, April 25–30, 2020, Hawaii.
- Gordon, V. and **Bailey, A.** (2019). “Evaluation in the Caribbean: An Overview of M&E Ecosystems, Stakeholders and Activities towards Transformative Change in the Region, International Development Evaluation Association”, September 30 – October 4, 2019, Prague, Czech Republic.
- Robaey, Z., **Bailey, A.**, & Asveld, L. 2019. “Towards an inclusive bioeconomy – capitals of farming communities and their dimensions, EurSafe 2019 – Sustainable governance and management of food systems; ethical perspectives”, September 18 – 21, 2019, Finland.
- **Henry-Lee, A.** 2020. “Child Protection in Private and Public Spaces in Jamaica and St. Lucia. International Society for the Prevention of Child Abuse and Neglect” (ISPCAN) 2020 International Congress, Grand Hyatt, Doha, Qatar. February 14–17, 2020.
- **Henry-Lee, A.** 2019. “The CRC and Bullying in St. Lucia: What is the story?” Child Research Conference. November 2019, Barbados.
- **Leslie, D.** 2020. “Towards an Integrated Strategic Plan for Witness Care in Jamaica,” presented at the Witness Care Strategic Planning E-Workshop which was commissioned by the Justice Undertakings for Social Transformation (JUST) Project and implemented by the SALISES, Crime Prevention and Offender Management (CPOM) Research Cluster, 9th June, 99 pages (oral & written).
- **Leslie, D.** “The protection needs of children of ‘prisoners’ in Jamaica,” A public lecture which formed part of the Island Lecture Series hosted by the Institute of Island Studies, University of Prince Edward Island, Canada, 10th December 2019 (oral presentation).
- **Northover, P.** “The Moral Economy of Debt: Unsettling Paradoxes of Neoliberal Market Creeds” paper (15 pp) presented for SALISES seminar series, October 30, 2019.
- **Northover, P.** “Food systems in crises: Contradictions and Vital Imperatives”. Canada Caribbean Research Symposium, University of the West Indies and Brock University. February 17–19, 2020, UWI Regional Headquarters UWI. Presented a paper (10 pages) for Panel Health and the Environment, Feb 18, 2020.

- **Northover, P.** “Plantations, Plots and a “Billion Black Anthropocenes or None”: The Problem of Blackness in the Moral Economy of Climate Change.” Paper (10 pages) presented at the symposium on Climate, History and Responsibility: Climate Justice in the Caribbean” January 30, 2020, organized by Rutgers University, Rutgers Advanced Institute for Critical Caribbean Studies, in association with the Center for Reparations Research, UWI Regional Headquarters.
- **Northover, P.** “Unsettling Neoliberal Philosophies of Development for New Economy Pathways in the Time Of COVID-19.” Power point presentation, delivered for SALISES, WEBINAR series, New Economy Models, Post COVID-19 Policies for Productivity Health and Social Wealth, June 5th, 2020.
- **Northover, P.** “Rethinking with Lewis the issue of Reparations: Race, Primitive Accumulation and the Character of Reparatory Justice.” Paper (10 Pages), presented for, WEBINAR Symposium on Sir William Arthur Lewis: Founder of Reparations for Caribbean Economic Development. Organized by the CARICOM Reparations Commission, St Lucia National Reparations Committee and the Nobel Laureates Festival Committee, June 15, 2020.
- **Williams, K.** “Government size, openness, and national.’ Conference on the economy, Trinidad and Tobago, November 9, 2019.
- **Williams, K.** “Household, government consumption, and international sanctions.” Department of Economics Research Seminar, UWI, Mona, November 28, 2019.
- **Williams, K.** “COVID-19 and the global supply chain: implications for Caribbean SIDS”, June 2020.

PUBLIC SERVICE

Arlene Bailey, PhD

- Member, National 2021 Census Technical Committee – Jamaica
- Associate Editor, Information Technology for Development, Routledge / Commonwealth Secretariat
- Association of Information Systems Special Interest Group on ICTs and Global Development Workshop Co-Chair, December 2019, Munich, Germany Conf-IRM 2020 Track Co-Chair Americas Conference on Information Systems (AMCIS) Track Co-Chair, August 2020.

Natalie Dietrich Jones, PhD

- Member Caribbean Migration Consultations Working Group, Preparing Regional Framework on Human Mobility in Contexts of Disasters and Climate Change.
- Member, National Working Group on Migration and International Development, coordinated by the Planning Institute of Jamaica.

- Participation in review seminars of Global Compact for Safe and Orderly migration and IOM validation workshop of SDGs and Government of Jamaica Policy on Migration and Development

Aldrie Henry-Lee, Professor

- Presenter on Parental Rights and Children’s Rights (to potential Foster Parents). Family Life Ministries May 18, 2020
- Director, Kiwanis Club of New Kingston 2019–2020

Richard Leach, MSc

- Member of Steering Committee – Jamaica Survey of Living Conditions
- Member of Steering Committee – Jamaica Census 2021

Dacia Leslie, PhD

- Moderator, “Future of ADR and Technology,” The National Conference on Technology in the Justice Sector, AC Kingston Hotel, Saturday, February 29, 2020
- Member, Alumni Advisory Panel. Commonwealth Scholarship Commission in the United Kingdom.
- Member, Monitoring and Evaluation Technical Review Committee, National Poverty Reduction Programme, Planning Institute of Jamaica.
- Local Coordinator, Humber College Study Abroad Programme, School of Social & Community Services, Humber Institute of Technology & Advanced Learning.

Patricia Northover, PhD

- Associate Editor, Cultural Dynamics: Insurgent Scholarship on Culture, Politics and Power: <http://cdy.sagepub.com/>
- Excelsior High School Scholarship and Welfare Committee

Annie Paul, MSc

- Board member, National Gallery of Jamaica and Chair, Exhibitions Committee
- Board member, JAMCOPY
- Founding editor and editor-in-chief, PREE, digital magazine of Caribbean writing

AGILITY

INCOME GENERATED

SALISES received USD22,500.00 for four external Grants and provided consultancy services for six commissioned research projects valued at USD792,694.00.

Grant/Project Title	Funders	Value US\$
Research Grants		
Co-Financing events on topics relevant to bi-regional partnership between the European Union & Latin America and the Caribbean	EU-LAC Foundation	7,000.00
Canada-CARICOM Faculty Leadership Scholarship	Government of Canada	9,000.00
Food Insecurity at the Time of Climate Change: Sharing and Learning from Bottom-up responses in the Caribbean Region	UK Global Challenges Research Fund	4,500.00
Partnerships in development cooperation, partnerships in the global economy (with focus on agriculture, energy and finance) and partnership in knowledge production.	Federal Ministry of Economic Cooperation and development in Germany	2,000.00
Total		22,500.00
Commissioned Research		
The Conduct of Disability Assessments in Borrowing Countries	Caribbean Development Bank	248,353.00
Jamaica-US Child Protection Compact Project	US Department of State	251,154.00
Horizon Scanning and Foresighting Study for Jamaica's Third/New City	Urban Development Corporation (UDC)	136,850.00
Economic impact of Carnival	The Tourism Enhancement Fund	22,737.00
Justice Undertaking for Social Transformation	UNDP	53,600.00
Engagement Facility and Strengthening Human Resilience	NDP	80,000.00
Total		792,694.00
GRAND TOTAL		815,194.00



THE UWI MONA WESTERN JAMAICA CAMPUS

Montego Bay, Jamaica

Year ending July 31, 2020



PATRICK PRENDERGAST, PhD
CAMPUS DIRECTOR

Overview

The academic year 2019–2020 will be long remembered as a very intriguing one for the UWI Mona WJC – possibly the most defining of the 12 years since its establishment in the city of Montego Bay. Having gone a semester and a half of successful stories as a campus, it is its navigation through the consequences of the Covid-19 pandemic on the latter part of the academic year that will most influence the narrative about the future of the campus. Unprecedented times make for extraordinary climbs. The 2019-2020 tag line – Find Your Bold – took on new meaning as staff, students and the entire WJC community found dynamic ways to not only *dance through the rain* but also strengthen its collective spirit of overcoming the storm.

The University of the West Indies, Mona – Western Jamaica Campus (WJC) completed its 12th year of operations in the city of Montego Bay with heightened expectancy underpinned primarily by the austere financial climate and a greater demand on a technological infrastructure that though vastly improved during the period under review was still not at full capacity. Particularly during the latter half of the year, the challenges compounded the preexisting anxieties around the need for increasing student numbers, identifying qualified faculty and professional staffing, and meeting the high expectations of providing a world-ranked teaching and learning experience.

The campus administration remained cognizant of its role in advancing the Mona objectives within the context of the UWI's 2017–2022 Triple 'A' Strategy – Access, Alignment, and Agility. Increasing opportunities for access to higher education, improving standards and processes consistent with industries served, and providing evidence-based response to present and future needs of a developing society are the main focal areas of the satellite campus. The long overdue improvement in the IT infrastructure, the further streamlining of academic programmes, including hard decisions to curtail unprofitable programmes in Law and Government, and the completion of several critical audits including security, facilities and governance, were among the successes for 2019–2020.

During the 2019–2020 academic year the UWI Mona-WJC continued to register students over the 900 mark, but just barely. The official registration at July 31, 2020 stood at 905 down from 927 in the previous year. This was due largely to a sharp decline in the number of new registrations in undergraduate programmes. 844

undergraduates registered for 17 majors and 61 students were enrolled in two graduate programmes. The campus continues to deliver its academic programmes with a majority adjunct staff under the guidance of either full time lecturer-coordinators or programme officers, as in the case of MSBM which carries the bulk of the undergraduate programmes and both graduate programmes.

Despite this, the campus was still consistently involved in many spheres of life across the health, municipal, business, and community development sectors. The excellent contribution to public service and mental health awareness by the Psychology Unit was recognized by the Western Regional Health Authority. The student leaders were able to attract community wide attention for their advocacy on various issues of public interest, including safety and security with the Honorable Minister of National Security Dr. Horace Chang serving as guest at their States of Awareness Forum. The WJC Honor Society also recognized the top academic performances across faculties courtesy of full funding and sponsorship by WJC staff and associates.

Additionally, thirty (30) Violence Interrupters were trained in grief counselling by the Mona Social Services in partnership with the Ministry of Justice and other partners in community development while the Press Association of Jamaica held its National Journalism Week Lecture (Forum) for secondary and tertiary level students in Western Jamaica. And effort at developing desired professional skills, build capacity, and facilitate personal development and wellness among staff several tactics were applied. For example, all administrative staff in the Office of the Campus Director along with Library and MSBM staff participated in a workshop facilitated by Montego Bay-based HR consultant Conroy Thompson in November. Additionally, there was active participation in several structured team building initiatives within the various units. For example, the Administrative Assistant to the Campus Director spent two days in the Faculty of Social Sciences and two days in the Office of the Campus Principal to shadow the senior secretaries in both offices.

FINDING BOLD . . . COVID-19 AND THE WJC RESPONSE

The entire UWI system has been tested by the Covid-19 pandemic. Everyone is experiencing unprecedented shifts in culture and practice, in relationships, and in thinking about the future. For the academics, the pedagogical shifts have been many and oftentimes problematic. The new and increased demands on time, intellect, and creativity have been highly pressuring and often times a physical and emotional task to remain professional, compassionate and simultaneously safe and sane. For the administrative, technical and support staff, the crisis amplified many ongoing issues with procedures, standards, support systems and technology as well as the redefining of essentials. Again, the collective responsibility was to ensuring that the standards by which a World Ranked University is celebrated would not be compromised.

Find Your Bold. This tag line also became our inspiration for the early response to the Covid-19 pandemic. The leadership of the campus was involved in a series of early initiatives across the Mona system aimed at managing the emergency response to the pandemic and developing strategies for shifting to emergency remote teaching and learning. These included the Covid-19 Emergency Management Committee and active involvement on the Faculty of Social Sciences Reimagining Committee.

Specifically at WJC several surveys were conducted among student populations. These were to determine the social and economic impact on student life as well as impact on access to information communicational technology (ICT), data support, and approaches to study. The campus launched its Student Access to Technology Project within two weeks of suspension of classes and received tremendous support from the Good Shepherd and PJ Patterson Foundations as well as the Mo'Bay City Run which allowed the WJC to remain responsive to the needs of students.

Access to ICT has been such a critical component in assuring continuity of study. It was also significant to the ability of the campus to upscale its IRTC capacity (In Real Time Communication); which was expected not only by the students, staff and various publics served by the campus, but also by the circumstances of emergency communication. Along with the early introduction of audience targeted WJC Covid-19 Advisories, the leadership of the campus quickly moved to enhancing its social media presence.

A series of campaigns were launched to keep students, staff and the public connected to the campus. The aim was to demonstrate the relevance of the campus to the lives and livelihoods of the peoples of the region as well as the compassion of the campus in times of crisis. The bold new initiatives in communication and public engagement included a *WJC Cares* series which featured main influencers within the campus community – a student leader, the psychotherapist, popular lecturers and a programme officer, as well as the Campus Director.

A *Stronger Together* communique and video, town hall meetings with staff and students, and a summer long round of webinar series from April 30 to July 31 were launched. The webinars were opened to students, staff and wider community and covered topics of business management, economics of public health emergencies, employee motivation, and mental wellness, teaching in the online learning environment, tourism, and workforce engagement and development. The entire series was framed in the context of examining the current needs and exploring *next practices* in a post-Covid-19 reality and utilized resources from the Mona academic community – particularly the Faculty of Social Sciences – private and public sector expertise, and support from stakeholder partners.

Both the technological platforms and the skills set associated with the increased presence and application of the technology to the IRTC capacity were conceptualized,

developed and executed by the staff at WJC in association with Mona Information Technology Services. So too were the initiatives around preparing the faculty for remote teaching and learning, including special sessions in OurVLE and Blackboard Collaborate. The campus experience in being a satellite also benefited the decisions around developing course streams, course containers, and administration processes for the new pedagogical approaches and modes.

STUDENT REGISTRATION, ACADEMIC PROGRAMMING, AND COMMUNITY ENGAGEMENT

The official registration at July 31, 2020 stood at 905 down from 927 registered at July 31, 2019. This was due largely to a sharp decline in the number of new registrations in undergraduate programmes as well as changes to programme offerings and quota. For the third time since 2009, the Faculty of Law suspended its programme due to continued low intake while the Faculty of Science & Technology returned to its continued low intake of students (4) into the Information Technology programme, its lone offering at the campus. This was after an astronomical increase from a couple students to 14 subsequent to a change of matriculation requirements for the 2018/2019 academic year. CARIMAC (FHE) also saw a decrease in registration as well as UWISON (FMS). The decrease in the Faculty of Social Sciences was essentially due to programme changes at MSBM, the largest department at the WJC.

However, the WJC continues to see improvement in the retention of returning students. Overall, there were 844 undergraduates in 17 majors and 61 graduate students in 2 programmes with the majority of students registered in the Faculty of Social Sciences followed by the faculties of Medical Sciences, Humanities and Education and Science and Technology in rank order. Both the academic staff as well as the administrative, technical and support staff were engaged in increased training and professional development activities in support of the CAMP strategy. These staff engagement and enhancement activities were done either through external institutions and individuals or within the university's human resource development programmes. The Campus Director was also among a select group of faculty from across the Mona system involved in the Radical Collaboration Certified Trainers Programme in January 2020.

The standard bearers in developing and delivering world class public discourse between the academics and other professionals in critical areas of endeavor also strengthened their engagement with the various stakeholders in the region. For example, in October the Psychology Unit led the up-scaling of the annual mental health awareness symposium to a national conference in Montego Bay. The unit also received two awards for public service and support at the first mental health gala held at the end of Mental Health Awareness Week, and which featured Deputy Principal Professor Ian Boxill as Guest Speaker.

In October, students in the Faculty of Medical Sciences held various events during Medical Services Week which October while the Campus Council of Students (Guild) convened a State of Awareness Public Forum with the Minister of National Security, Dr. Horace Chang. These were supported by other students and stakeholders from across the city of Montego Bay and the parish of St. James. In November, the WJC Honour Society Awards recognized the top academic performances across all faculties under the theme *Endorsing the Culture of Student Excellence at Western Jamaica Campus*. The keynote address was delivered by MBA student and toastmaster, Sheryl-Lee Headley-Tharpe.

The campus also consolidated its collaboration with the Mona Social Services (MSS) during the period under review. The Campus Director accepted the invitation of the Campus Principal to serve on the Board of MSS and the UWI Township Scholarship was extended to students at the WJC. The Press Association of Jamaica held its National Journalism Week Lecture (Forum) for secondary and tertiary level students in Western Jamaica. The topic: *Is the News too Negative?* Speakers included veteran journalist and newspaper publisher, Lloyd B Smith, tourism and entertainment businessman, Robin Russell and journalist and entrepreneur, Janet Silvera.

Three critical audits were completed over the 2019–2020 academic year. The Director of Security, ACP Norman Heywood conducted a security audit of the campus in November. This was followed up in early December with a security awareness forum for staff members. The forum which was aimed at improving understanding and responsiveness to safety and security issues on the campus and generally in the wider society, had presentations from the regional police as well as Guardsman. Both the facilities audit (plumbing and space) conducted by officers from the Estate Management Division and the WJC Governance Audit Report done by the Mona Audit Department were completed and submitted in March and May of 2020 with recommendations for action to be completed by July 2021.

In January Principal Webber, Campus Director Prendergast and Director of Projects, Devon Smith along with members of the Principal's Strategic Team held a series of conversations with stakeholders in Montego Bay to discuss UWI Mona's plans for expansion of both the academic and physical plant presence in Montego Bay. The team engaged with the leadership and representatives of the Business, Tourism, and the Municipality and received very insightful suggestions and proposals for consideration. Generally, the meetings underscored the value of the campus to the development of the city and the willingness of key stakeholders to support the growth of the campus. The Barnett site is expected to be constructed in several phases starting with a 250 room facility for student housing and the provision of teaching spaces and administrative offices for schools of business, entrepreneurship and tourism for the start of the 2021 academic year.

DEPARTMENTAL PAPERS AND PRESENTATIONS

Special Lectures and Conference Presentations

- **Grant-Reid, Nadia** “Effect of Vocational Training on Employment and Wages: Evidence from Jamaican Panel Data”, 51st Annual Monetary Studies Conference, Eastern Caribbean Central Bank, Basseterre, St Kitts and Nevis. November 19–21, 2019.
- **Prendergast, Patrick W.** *Jamaican Culture: Peoples and Heritage – Roots, Resistance, Survival and Revelations*, ODU Study Abroad Visit, UWI Mona WJC, March 13, 2020.
- **Prendergast, Patrick W.** *Alternative media and citizen journalism in the age of social media*, Communication Culture and Caribbean Society, CARIMAC, UWI Mona WJC, February 17, 2020.

Abstracts

- **Henry, Jevon & Jevon Minto.** “BRI in the Caribbean: Collapse, Chaos, & Disruption.” SALISES2020 Conference, Tobago (postponed TBA).
- **Waugh-Brown, V. & Wright, G.** (2019). The occurrence of chronic sorrow and coping strategies employed by adult oncology patients in western Jamaica. *West Indian Medical Journal*. 68(Suppl 1), 34.

E-book

Mullings J, Barton-Gooden A, Garriques-Lloyd S, Noble-Myrie V, Reid S and Paul T. Pathways to Sustainable Development Goal # 3: Integrating human rights, health equity and social justice into health policies and programmes in Jamaica. In *Advances in Sociology Research*. Volume 27, 2019 ISBN: 987-1-53615-802-1 (ebook). Nova Science Publishers. Hauppauge, New York, USA.

CONCLUSION

The June 2020 WJC Planning Retreat which was convened to plan for the management of the Covid-19 pandemic into the 2020–2021 academic year as well as review specific outcomes and related initiatives for the 2017–2022 strategic period, identified the following focal areas going forward:

- Implementation of the recommendations of the WJC Governance Audit Report;
- Further streamlining of academic programmes in line with the recommendations of the senior management consultations with stakeholder groupings – human

services and behavioral sciences, basic sciences, business and entrepreneurship, construction and engineering, global health, global services and knowledge management, and travel and tourism;

- Increased effort at private-public partnerships at both the business and academic levels for delivery of new and unique academic programmes as well as building the required physical plant and technological infrastructure;
- Improved communication and information connectivity, technological capacity, and market research and evidence-based responsiveness to market imperatives and aspirations for higher education.

THE LIBRARY

Mona

Year ending July 31, 2020



PAULETTE KERR
BA, Dip Lib, MA *UWI*, PhD *Rutgers*
CAMPUS LIBRARIAN

Overview

The academic year 2019/2020 for the Mona Library, was one of growth, success, challenges, resilience, and of course, the unimagined impact of the COVID-19 pandemic. We began the year with the usual customary enthusiastic welcome of new and returning students and staff with orientation activities, the teaching of research sessions to undergraduates in Foundation Courses, facilitating external information literacy sessions at various Community Colleges, extending our outreach with Library Open Week, sensitizing the UWI Mona Community of our unique offerings and programmes via a “Did You Know” initiative, and increasing our presence on social media platforms to reach our students.

The Library also focused on realizing aspects of the 2017–2022 Triple A Strategic Initiatives of the Campus with emphasis on outcomes relating to ‘Digital Transformation’; ‘Teaching and Learning’; and the ‘Caring, Accountable, Motivated, and Professional (CAMP)’ Team, while addressing aspects of the Library’s Strategic Plan and remaining true to our core values. Of note is that one of our medical librarians was invited to join the Faculty of Medical Sciences Research Support Group, providing innovative



Celebration of books with authors, 2019

support. Towards providing evidence based services, we developed our Impact Study Instrument for obtaining feedback from faculty and students. During the year, librarians joined with colleagues across The UWI Libraries in drafting a new Appraisal and Assessment Instrument for Librarians.

Open Week, held October 13–18, 2019, included our signature Celebration of Books Exhibition in which we showcased 20 books by 26 Mona authors. We are proud of the launch of a TISC (Technology Innovation Support Centre) and IP Help Desk, in partnership with the Jamaica Intellectual Property Office, (JIPO), and MORI. Based on previous feedback from our patrons, we opened our doors to members of the public and invited them to view aspects of the extensive art collection held by the Library.

We are proud of our sterling contribution to the teaching, learning and research directions of the Mona Campus, until March 2020 when the onset of the novel coronavirus COVID-19, drastically changed our directions and physical operations. Library staff pivoted quickly and displayed agility, creativity, and adaptability in their response to the pandemic which followed, with successful re-imagined virtual programmes and services. On March 23, 2020, the Library moved its services and programmes online and allowed a blend of remote and onsite work to facilitate support as the Campus transitioned to emergency remote teaching and learning. While COVID-19 disrupted programmes of the Library, it provided opportunities for enhanced services. Of note is that the Library became the hub of assisting our students across Jamaica to access online learning through the processing and distribution of over 500 tablets and laptops.

The Mona Library's operations continued to be affected by the ongoing financial constraints of the Campus. Challenges associated with the aged physical plant which has suffered from lack of maintenance over the years, plagued all libraries during the year. Multiple leaks from degenerated roofs in the Main Library, as well as flooding in the Medical Branch Library were a few such occurrences which caused much inconvenience to staff. Non-functioning of aged air conditioning units in all libraries has resulted in great discomfort for staff and patrons and damage to our unique collections of West Indiana. Slow payment for repairing the Bookeye Scanner meant that the Hans Sloane volumes were not digitized as per agreement between the Mona Library and the UWI Press.

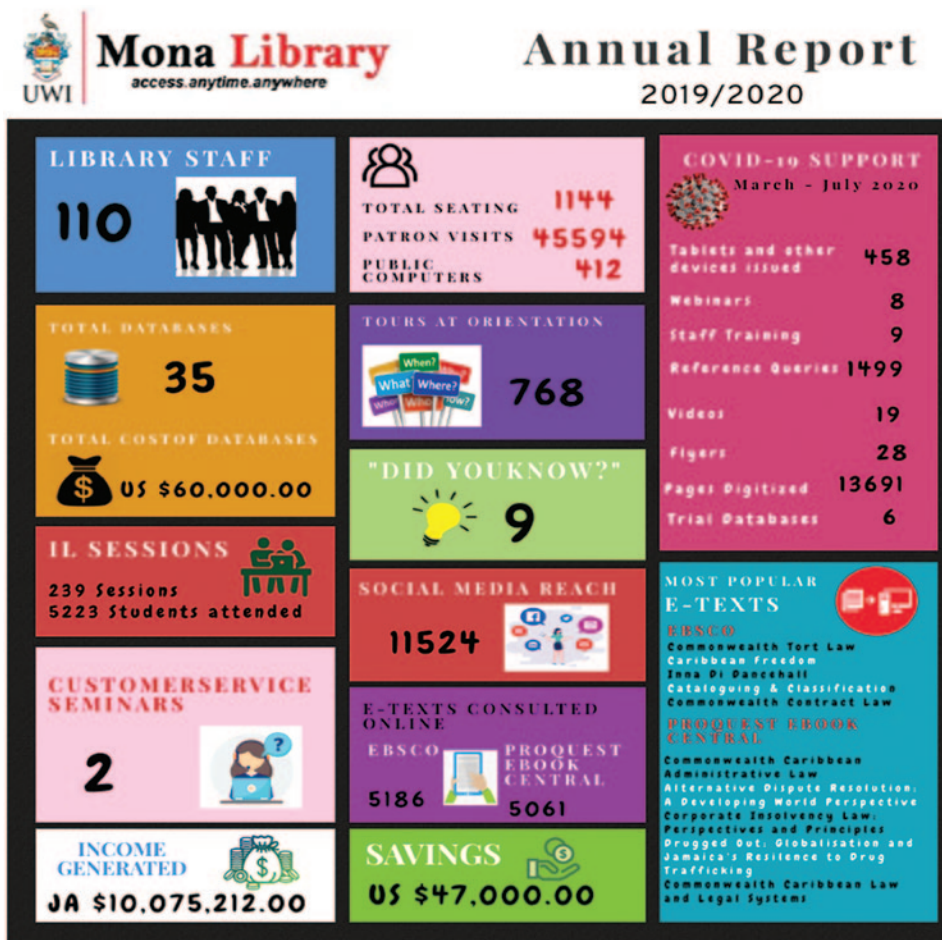
Notwithstanding these issues, Library staff demonstrated excellence and high productivity which allowed gains in multiple areas. We negotiated, through our Head of Acquisitions, a major reduction in subscription costs for one of our most expensive databases, SciFinder, resulting in savings of USD\$43,000 to the Campus. Our Systems staff rolled out new initiatives towards digitally transforming our processes, including an internal help desk system, a computer-based gate counter, and realized

savings of USD\$4300 from relegating the Pharos Printing System. We repurposed spaces and increased seating capacity in the Main Library, and Science and Engineering Branch Library, and with the continuous closure of the MERIC Computer/Teaching Lab, a Training Room was retrofitted and converted to a computer lab seating 21 students.

Outreach and collaborative engagements continue to be important mantras for the Library. In January 2020, we welcomed a new Outreach Librarian, who moved quickly with realizing aspects of our marketing plan, which included an enhanced website and robust promoting of our services and programmes. A new social media strategy which was developed towards re-engaging with students was also initiated.

THE YEAR IN NUMBERS

The following figure summarises other key achievements during the year



While this Report details the work of the Library during the academic year, we begin with highlighting major activities and responses during the COVID 19 period of the year.

COVID-19 HIGHLIGHTS – IMPACT AND RESPONSE

The Mona Library displayed much agility in its response to the onset of the COVID-19 pandemic and went above and beyond the call of duty to support the Campus community. Preparation for operating in the new environment began with an immediate response to the first reported case in Jamaica, with organizing a sensitization session about the coronavirus on March 12 for all Library staff, hosted by the Department of Microbiology. A COVID-19 authoritative subject guide was developed by Mrs Faith McKoy Johnson, medical librarian, in short order and shared on the Library's website. With the subsequent suspension of face-to-face classes, on March 23, 2020, the Library, guided by its mantra of 'Access Anytime Anywhere', and services, shifted operations to provide online support for staff and students. Staff moved into high gear in updating e-resources, developing new schedules for the virtual reference service, as well as contacting faculty through liaison librarians. In addition limited in-person services were provided to faculty and graduate students, especially for print resources which were not available in e-formats. Students including those from our disabled community were engaged on social media to ascertain their immediate Library needs. Detailed work plans were developed to ensure the engagement of as many staff members as possible in various projects while working from home, as well as to safeguard the availability and efficient operating of online platforms to assist patrons as needed. Weekly Zoom meetings were held with staff to maintain contact concerning their wellbeing as well as to provide updates and status on work being pursued.

Challenges

The process of suddenly adjusting to closed physical facilities, and providing services and programmes remotely, was not without significant challenges. Patron expectations for all resources being online, the disruption of the Library as space, lack of a work-from-home policy, difficulty in measuring productivity, inadequate technology support, and connectivity issues, as well as health and wellness issues, created disruption for all staff.

Robust support to the Mona Community was provided March 23–July 31, 2020 specifically through:

Liaison Librarians: Engaging with Faculty

The role of Liaison/Subject Librarians was foundational in facilitating a smooth transition during the preparation time for emergency remote teaching which began April 14. Librarians reached out to faculty, and provided subject support for teaching and research, whether promoting subject e-resources, Open Education Resources

(OERs), or facilitating digital reproduction and supply of needed print resources in keeping with copyright restrictions. Web profiles of liaison librarians were developed to facilitate ease of contact by their assigned departments. Librarians also conducted online thesis consultations and scrutiny, and developed relevant subject guides to support online teaching.

In- person Services: Digitization, curbside delivery

The sudden suspension of normal face-to-face classes, and shift to emergency remote teaching was extremely challenging for faculty and students who depended on print resources, especially Caribbeana for which e-formats were not available. So while the Library remained closed to patrons, loan of select print resources remained central, and was facilitated by curb-side delivery to faculty and graduate students.

The Library also expanded access to critical print resources not available in e-format or for loan by digitizing sections as requested by faculty and graduate students to support research and teaching. We filled 140 requests, and digitized approximately 3,000 pages, some of which were curated to course containers. Staff of Public Services and the Reprographic Services Unit – RESU were integral in this process.

Pages Requested and Digitized

Period	Requests Received	Pages Digitized
March 23–April 27	103	2083
May 4–June 1	25	531
June 2–June 30	6	188
July 1–July 31	6	135

Commendations from faculty members have been encouraging; as an example, one faculty member expressed “*As we move towards the examination period in these challenging time, I would like to say how grateful and impressed I am with you and the Team of librarians and other staff in rising to the occasion in making reading material accessible to students. Thank you very much. I sincerely appreciate the tremendous efforts made*”.

In-person Services: Laptop/Tablet Project

The Library moved with alacrity to partner with the Mona Campus’ initiative to support students who were without devices for remote learning. An initial gift of 516 tablets and 30 laptops from various donors was catalogued via the Aleph Library System for loan to students, from names received through Faculties, Office of Student

Services and the Guild of Students. The Library partnered with the Jamaica Library Service for island wide distribution to students via parish libraries. The Main Library facilitated students in Kingston and St. Andrew. Approximately 458 devices (443 tablets and 15 laptops) were issued during the period.

Commendation from a student “*the tablet service was extremely helpful ... submitted essays on time, edit and everything*”

Online/Remote Services and Resources: Promotion and Provision

The provision and promotion of new and enhanced e-services was a priority for the Library during the period and especially with the closure of physical spaces. A Quick Link Guide directing patrons to services offered, and access points, was created and communicated quickly and widely to all stakeholders via Mona Messenger, the Library’s enhanced website, our social media platforms, and with the assistance of the Guild of Students, and Deans of Faculties. Critical services for graduate students, such as thesis consultation and thesis scrutiny were moved for remote access. Our virtual reference service, via a live chat platform, in which librarians and paraprofessionals engage in chat sessions with students to answer research and other questions in real time, was enhanced with expanded hours and staffing, to support students between 9:00am–7:00pm Monday–Friday. Questions and general library queries were also answered through offline messages, emails, and WhatsApp messages.

Greater access to e-resources was critical during closure of the physical plant.

The Library negotiated with service providers, including ProQuest and EBSCO, and access to all purchased e-books was upgraded from single to unlimited user access during the period (June 30 for EBSCO and mid-July for ProQuest). This meant that patrons could use all e-resources simultaneously. In addition many publishers offered access to their e-platforms of Open Education Resources. The UWI Press opened its e-platform to the University via the Library’s portal. In addition, the School of Education made 2 journals available to our patrons. The Mona Information Literacy Unit (MILU) developed a suite of online tutorials and videos to assist students to navigate the Library’s online platforms.

The Library’s outreach and social media platforms were enhanced with increased activities towards promoting resources and services to patrons. Multiple outreach flyers and videos were produced, and the Library’s website, as well as Instagram and Facebook pages remained current with frequent updates, while a YouTube channel was created to host instructional and promotional videos.

Staff Engagement: Webinars/Training Sessions/Publications

As part of our staff engagement plan, and efforts towards retraining of staff members with new skills, a number of in-person training sessions and webinars were convened.

TRAINING SESSIONS	DATES	TARGET AUDIENCE
Kayako (Virtual Reference)	May 4	Professional & Clerical Staff
Technology Innovative Support Centre /IP Help Desk Training Sessions	June 25, July 09 & 23	Selected Library Staff
Digital Imaging and Quality Control	July 3	Selected Library Staff
Using the features of Zoom	Jul 07	All staff
Preparing for teaching online UWILINC Sessions	Jul 08, Aug 13	Librarians & Para-professionals
Preparing for Teaching Foundation Session	Jul 09, Aug 14	Librarians
Endnote Training	Jul 14, Aug 13	Librarians
Protocols for Cleaning During the Pandemic”	July 17	Custodians
Workshop on Shelving using the LC Classification Scheme	July 24	Staff members who are involved in shelving
WEBINARS	DATES	TARGET AUDIENCE
How to Publish	May 26	All Librarians
Creating a New Normal Life	June 1	All Staff
Copyright & Academia in the Covid Era	June 11	Persons from the Caribbean, North America and South Africa
Agility and Adaptability: Caribbean Academic Libraries and COVID-19	June 11	LIS Professionals from the Caribbean North America and South Africa.
DEMO: ALMA Library Services Platform	June 17	Librarians and Senior Clericals
Citing work using the APA System	July 14	B. Worrell-Johnson
“Your Health is your Wealth” – Eat well and stay fit	July 15	All Staff
The Socially Distanced Library	July 29	Y. Lindsay

A signature webinar organized by the Mona Library was “Agility and Adaptability: The Caribbean Academic Library navigating the COVID 19 Pandemic” which was successful in engaging discussion among 170 participants from the Caribbean (including Suriname), USA and the UK. It was the first Caribbean webinar organised for library and information professionals, in response to the COVID-19 pandemic.

Of note were webinars organized by the energetic Library Health and Wellness Committee, (LHWC) including “Creating a New Normal Life” which focused on the physical, mental and spiritual aspects of wellness and “Eat well and stay fit” . Individual staff also participated in webinars and training offered by external organizations.

A special COVID-19 edition of the Library’s newsletter, *Librations* was published in June 2020.

Imagine September/Reopening Initiative

In an effort to generate plans towards fulfilling its mission, while operating more as service, and less as space, and also to put necessary protocols in place for Semester 1 2020/2021, the Library adopted the Campus Principal’s ‘Imagine September’ initiative. A team-based/working group approach was used to cover planning for strategic areas such as *Staff Health and Wellness, Collection Development, Remote Teaching and Learning, Outreach, Technology, Research and Environmental Safety* aimed at implementing measures on how the Library would deliver services and programmes beginning September 2020, while protecting the health and safety of staff and patrons. The implementation plan was proposed in three phases.

- **Phase 1 (April–July):** Focus on expanding online access to resources, strengthening virtual reference service, and ensuring staff well-being; enhancing services for remote teaching, learning and research, and establishing safe workflows for handling print collections, and the use of services and public spaces for the new academic year. A space audit was conducted with the assistance of the HRMD and the Safety and Emergency Unit to ensure that available reduced patron spaces were utilized in a safe and efficient way in compliance with national and Campus protocols.
- **Phase 2 (August 1–24, 2020):** Continue and expand activities of Phase 1, and resume additional activities supporting access to physical collections and spaces. Commence messaging to new and returning users regarding amended physical and online services.
- **Phase 3 (August 24, 2020–):** Full on Campus services to support the delivery of hybrid classes. Return of students and community users and anticipation of greater density through limited user access to physical libraries. The Mona Library continued to limit opening hours to protect staff and users. Extended shifts were suspended.

The initially scheduled physical reopening of libraries for August 2020, required preparation in many ways, including installation of sneeze guards and hand sanitizer dispensers, new signage, shifting and storage of furniture, closure of all Bag Check Counters and staff orientation. It also required liaising with the Campus COVID-19

Task Force and ensuring alignment with the Guidelines of Ministry of Health and Wellness.

WORK OF THE DEPARTMENT 2019/2020

Accomplishments of the Library are presented under the three pillars of the UWI 2017–2022 Strategic Plan.

ACCESS

Initiatives to enhance the quality of Teaching, Learning and Student Development

INFORMATION LITERACY SESSIONS TO IMPROVE RESEARCH SKILLS: FOUNDATION AND SUBJECT COURSES

The Mona Information Literacy Unit, the teaching arm of the Mona Library supported the UWI's initiative of enhancing teaching and learning through the teaching research competencies in Foundation courses FOUN 1013, 1014, 1016, and 1019. Subject and course specific sessions were also delivered in all Branch Libraries. In addition, external sessions were held for UWI students at Excelsior and Browns Town Community Colleges.

Foundation Courses

Semester	Sessions Taught	# of Hours	# of Students
I	128	182	2436
II	111	191	2787
Total	239	373	5223

Orientation Sessions

Library orientation remains essential for students transitioning to the requirements of higher education. The Library participated in both the Undergraduate and Postgraduate orientation exercises and students were engaged at the booths respectively as team members sought to promote the resources available and the value of the Library in their university experience. Approximately 768 students visited the Library during the main orientation days. This included hosted Hall Tours from seven (7) Halls, Commuting and Weekend Students. Rap sessions were held with each group prior to the Library Tours as a way of engaging the students and promoting the Library's services and resources.

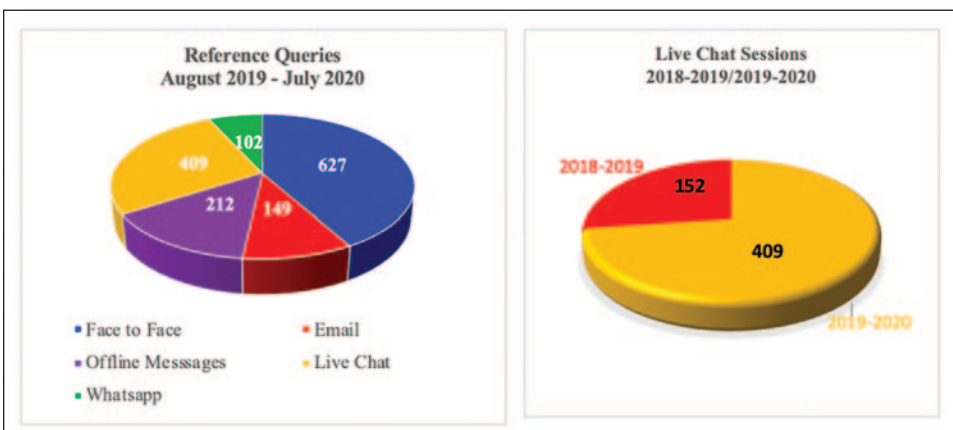
Efforts made to provide financial assistance to deserving students

The Library is one of the largest recruiters of student employees for both undergraduates and postgraduates. Students were recruited to assist with the execution of various services at the Library and work at all branches including our Branch Library in WJC. For the reporting period approximately two hundred (200) students were employed. Two Fulbright scholars – Damali Britton and Taylor Prescott were initially engaged to create Digital Humanities Projects on Elsa Goveia – her contribution to the development of the Department of History, her collection housed at the WISC and her own research, as well as The Archibald Cooper Papers (which focuses on Maroon communities) – the creation of a website with visual, audio and written information. With the onset of the COVID-19 pandemic both projects were put on hold as the Fulbright scholars were immediately called home to the United States.

Initiatives to improve the quality, quantity and impact of research, and publications

Reference and Research Services

This service was offered through traditional in-person or face-to-face consultations at Reference Desks in all libraries, as well as via an online platform “Ask a Librarian”, and general queries were carried out through offline messages, email, Whatsapp, and phone. “Ask A Librarian”, was aggressively promoted, and this resulted in a 169% increase over the corresponding period for the previous year. While face-to-face interactions were suspended with the onset of the pandemic, increase in virtual reference and research services resulted in 1,499 reference queries recorded. WhatsApp service for the Library was officially introduced to our patrons as a communication channel and over 100 WhatsApp queries were satisfied.



Halls of Residence Librarians Programme

The Halls of Residence Programme, an outreach initiative of the Library is geared towards minimizing anxiety for first year students as they transition to university life. The programme went into full gear during Semester I of the 2019/2020 academic year, and librarians conducted information sessions in their respective halls. With the onset of the pandemic, and reduced student numbers on the Halls of residence, this programme will be moved to an online mode in semester I 2020/2021 academic year.

Research Rescue

In preparation for Research Rescue activities that were to commence in the 2nd semester, a soft re-launch of the programme was sponsored by Taylor Hall. This was held on February 20, 2020. Unfortunately, the COVID-19 pandemic thwarted all the plans that were in place for the remainder of the year.

Thesis Scrutiny and Consultation

Assistance was provided to postgraduate students in the formatting and style-referencing of their theses. Thesis consultations and scrutinies were facilitated online during semester 2 with the onset of emergency remote teaching learning. One hundred and thirty four (134) Thesis Scrutinies and Consultations were completed during the year along with preparation of Thesis Certificates to the Office of Graduate Studies and Research.

Postgraduate Seminars

Workshops were conducted to assist graduate students with thesis related research. Of note is a seminar presented by JIPO in association with The Mona Association of Postgraduate Students (MAPS) on January 23, 2020, 2:30 p.m.– 4:30 p.m. A total of 43 persons were in attendance, including the presenters, librarians, faculty members, postgraduate students, and MAPS Executive members.

Liaison Librarians: Supporting Teaching and Research

Liaison/Subject Librarians provided ongoing support to faculty towards excellence in teaching and research through various collaborative and consultative activities. These include research presentations: “Search Strategies for conducting Systematic Reviews”, “Effective Use of e-resources for Research and Projects”, and “Thesis Writing: Best Practices”; research consultations, e.g. Journal selection for publishing; accreditation and Quality Review visits; checking CVs towards verification of publications; conference, journal and publisher verification (especially for avoiding predatory publications and publishers); and research collaborations.



Librarian, Bernadette Worrell-Johnson engaging students of “West Indian Literature Special Author Louise Bennett” course in interrogating WI&SC holdings on Miss Lou, September 9, 2019.

UWI Scholar Sessions

The Library was pleased to support faculty with the process of communicating their research output through UWI Scholar sensitizing and training sessions. The UWI Scholar platform is a unified Institutional Repository which has been designed to showcase the breadth and diversity of the institution’s research, from research biographies and research groups to project details and research outputs such as innovative processes and solutions, peer-reviewed articles and published books. A series of UWI Scholar sessions were planned in collaboration with WIGUT to sensitize and familiarize faculty/researchers with the UWI Scholar platform and three (3) sessions were held. Other sessions targeted specific groups of academics including librarians, SALISES, and the School of Education. COVID-19 brought to a halt other training sessions which had been planned in collaboration with WIGUT. These will be held via Zoom in the 2020/2021 academic year.

COLLECTION DEVELOPMENT AND MANAGEMENT

Collection Development

The development of the Library’s collections, geared towards supporting teaching, learning and research endeavours, continued with creative approaches despite the stringent financial climate during the year which severely impacted collection building initiatives.

Purchases

The Library purchased 181 printed books and 41 e-books. E-books purchased from EBSCO and Proquest, are shared by all 4 UWI Campus Libraries. So Mona benefited from an additional 417 e-books purchased by these libraries. This is facilitated with the vigilant work of the Cataloguing Section in harvesting from OCLC, bibliographic records which indicate purchases made by other Campuses.

Gifts

The generosity of donors including alumni, current and past faculty, institutions, and well wishers, allows us to enhance our collections each year. In January 2020 the Library received the Chris Smiley CD-ROM Collection of 876 CDs via the Institute of Caribbean Studies which have been catalogued for access and housed in the West Indies & Special Collections for the development of ICS Reggae Archives. In July 2020, former Governor General of Jamaica, and former Principal of the Mona Campus, Sir Kenneth Hall gifted a collection of books as well as access to the Integrationist Website, to the WJC Branch Library. The Library continued to receive and process print serials for the collection. Most were received as gifts from various donors including the IMF. A total of 1,854 journal issues were added to the Library's collection for access.

TOTAL GIFTS AND PURCHASES						
Branches	New Titles	Total Volumes	Audio Visuals	Theses	Serials	CDs
Main	521	694	71	23		
Science	68	97	10	6		
Medical	47	52	1			
WISC	149	178	58	32		876
Law	9	13				
WJC	16	39	3	1		
Bahamas	11	11				
E-Books	43	43				
Total	864	1127	143	62	1854	876

Databases

Two new databases were added to the library's suite of databases during the period under review. These were **Cabells Black List** and **Sage Video: Counselling and Psychotherapy Collection**. Both titles were added to the Electronic Resources list of databases on the Library's home page.

Reading Lists – Course Readings

A total of 51 reading lists were submitted to and processed by the Acquisitions Section with the aim of purchasing adequate copies of new titles, and new editions of existing titles that appear as **required** or **highly recommended** to support teaching and learning.

Collection Management

Close shelf reading of the open collections in the Library began in March and moved into full gear over the period of online only services. The goal was to remove outdated items, and ensure that items were correctly shelved, for ease of locating. Of special note was the weeding of the print periodicals in the Main Library and the Basement in the Science and Engineering Branch Library. At the close of the academic year, the project in the Main Library was approximately 90% completed. The process resulted in approximately 1,100 periodical titles being discarded. As a result of the extensive weeding the areas were repurposed to provide additional seating spaces for patrons.

Preservation and Conservation

In October 2019 the Library successfully acquired a new guillotine machine however due to logistical challenges, the machine was not commissioned until January 2020. This allowed for the clearing of backlogged items which were to be trimmed and delivered to various Sections. A total of approximately 2,165 items were repaired by the Preservation and Conservation Unit.

Efforts to Enhance Access to Collections and Resources

Enhancing access to information resources which is a critical aspect of supporting teaching and learning is done through varied means including updating the online portal, processing of special collections with finding aids, digital curation, as well as the maintenance of the integrated library system. During the period under review 3583 new titles were uploaded to the OPAC. This is inclusive of various discrete collections including electronic resources, theses and research papers, West Indies and Special Collections monographs, audiovisuals, older items being converted retrospectively,

and the general Main and Branch Libraries collections. Metadata was added to 18 digitized collections in Contentdm, thereby providing access to them via the Library's Webpage. The West Indies and Special Collections began the processing of three major collections, Rex Nettleford, Olive Lewin and Albert Hines, with the preparation of extensive lists, and work continued on processing the Lucille Mathurin Mair Collection and the Elsa Goveia Collection. A draft Finding Aid was developed for the Peter Abrahams Collection which will allow researchers to identify specific areas of the Collection.

Items /Collections	Numbers
E-resources	460
Theses and Research papers	76
Cherrell Shelley Robinson Collection(Children's Books)	721
WISC Rare books and periodicals	550
Tablets and laptops	546
Retrospective conversion	600
Other items (monographs for the Main & Branch libraries, audio-visuals, CD-ROMs, DVDs)	630
Total new items	3583

Promotion of Resources

Varied methods were employed to promote resources to all stakeholders of the Library including digital flyers.

A total of 12 "Did You Knows" were published over the reporting period. These include:

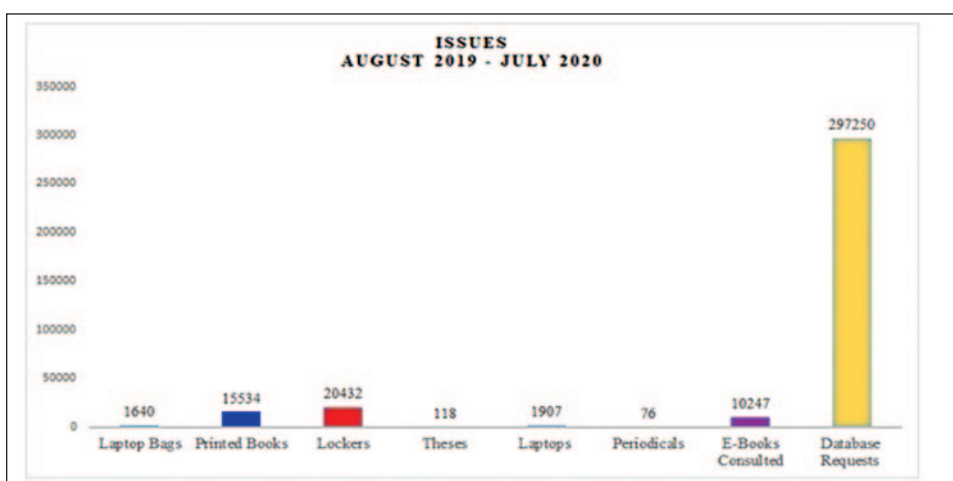
- British Broadcasting Corporation Reports
- Hinari Database
- DynaMed
- Printing in the Library
- Cabells
- List of Predatory Publications
- COVID-19 E-Resources
- Electronic Resources

- Trial Databases
- Live Online Help
- Mona Library Online Collection
- Erna Brodber Collection
- Pepperpot Magazine Collection

USE OF COLLECTIONS

Circulation

The academic year ended with the Library issuing just under 40,000 physical print items and over 300,000 electronic resources to patrons.



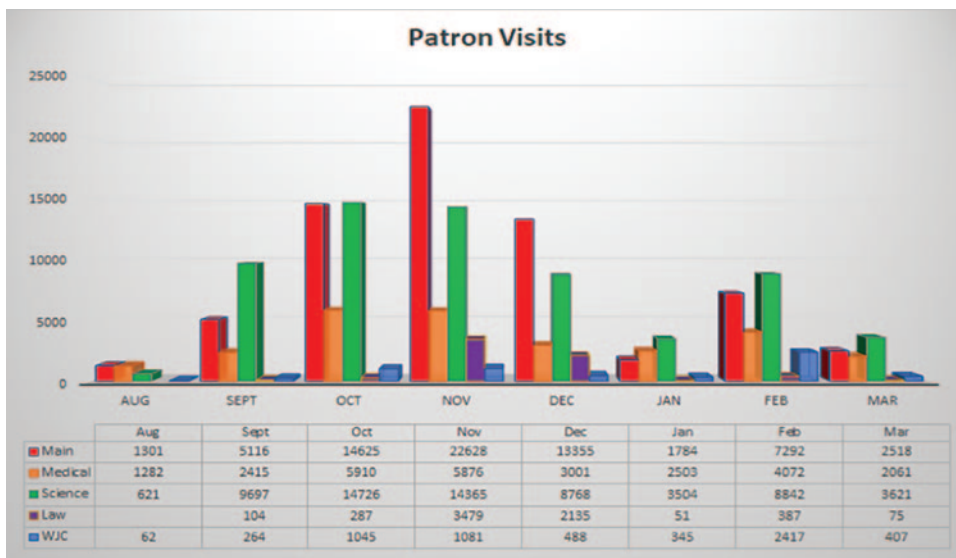
Interlibrary Loans

The interlibrary loan service between the Library and international partners was negatively impacted after March 2020 due to technical issues with the Worldshare ILL platform, and the Library was unable to respond to international requests. This led to a significant decrease in the number of interlibrary loans. This is being addressed.

Year	2019–2020	2018–2019	2017–2018
Total ILL requests	19	91	142

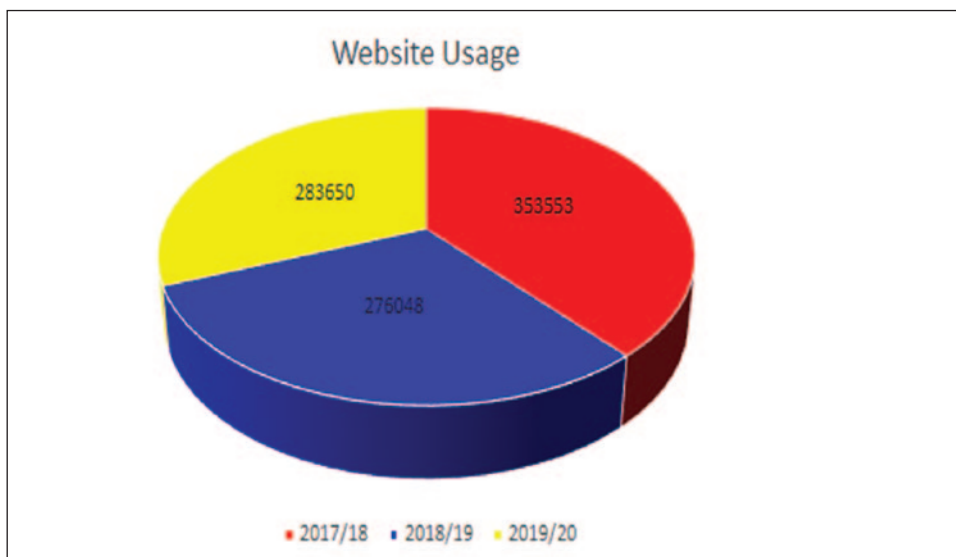
Patron Visits

For the period August 2019–March 2020 the Library’s gate count exceeded 160,000 visits.



Website Usage

The Library’s website saw a marginal improvement in the number of visitors to the page for the academic year, compared to 2018–2019 with the largest number of searches being concentrated on accessing databases and examination papers.



ALIGNMENT

Initiatives Aimed at Increasing and Improving Academic / Industry Research Partnerships

OUTREACH AND COLLABORATIONS

EBSCO Solar Project

The UWI Mona Library was invited to make a presentation on The UWI/EBSCO Solar Project to the EBSCO Academic Advisory Board Meeting, Boston, Massachusetts, August 5–6, 2019. Dr. Paulette Kerr and Dr. Sasekea Harris presented on the topic: “The University of the West Indies (UWI) Mona Library Leading in Academic Strategic Projects”

JIPO Collaboration: TISC/IP Help Desk

The Mona Library launched the TISC/IP Help Desk on October 16, 2019 as part of an Intellectual Property Initiative to the Campus community during the Library’s Open Week. This follows months of engagement with the Jamaica Intellectual Property Office (JIPO), towards a Technical Innovation Support Centre (TISC) at UWI Mona. TISCs are supported by the World Intellectual Property Organization by the World Intellectual Property Organization (WIPO) which provides training and support for staff, students and members of the community. This TISC at Mona represents the first in the Caribbean. The IP Help Desk also satisfies a request from Professor Stephan Gift, PVC for Research, IP Help Desks at UWI Campus Libraries to support intellectual property needs as the UWI is placing greater emphasis on innovation and entrepreneurship. JIPO agreed to provide technical support in the initial phase of the IP Help Desk. Eight (8) members of staff are participating in online training facilitated by the World Intellectual Property Organization (WIPO), as part of the preparatory work towards offering assistance at the TISC/ IP Help Desk. The Library collaborated with JIPO in offering a robust programme of copyright and intellectual property training sessions to ICS and PSCCA students as well as four IP related workshops to Library staff.

Grant Submissions

The Library submitted 2 grants during the period:

- Endangered Archives Programme (British Library) – Deans Valley Dry Works Estate – Nov. 2019
- USAID ASHA Programme – Caribbean Centre for Digital Excellence with Howard University January–February 2020

Library Open Week

The Mona Library celebrated Open Week with a series of activities to showcase various services, resources and talents resident within The UWI Mona Library. The 4th staging of Open week took place October 13–18, 2019. The Week began with a Church Service on Sunday, October 13, at the University Chapel facilitated by the United Church in Jamaica and the Cayman Islands. The Celebration of Books Reception & Exhibition Launch, took place Monday October 14, 2019. The signature event showcased the distinguished scholarship of The UWI Mona staff who published books within the period August 2018 to August 2019. Twenty six (26) The UWI/UTCWI authors and twenty (20) monographs were recognized. Dr. Leith Dunn chaired the evening's proceedings with guest speaker, Poet Laureate of Jamaica and Writer-in-Residence in the Department of Literatures in English, Professor Lorna Goodison. Dr. Canute Thompson responded on behalf of the authors. The exhibition of 20 works remained in the Catalogue Hall until November 30, 2019.

Sections of the Library's Art Collection were on display to the wider community for scheduled "Art in the Library Tours" during the week. Visitors participated in a guided walking tour of select art pieces from the Library's collection. Most participants were thrilled by the collection and its diversity. Post cards and notelets of art from the collection were also on sale in aid of the Library's art restoration project. On Wednesday, October 16, The Mona Library partnered with Jamaica Intellectual Property Office (JIPO) and Mona Office for Research and Innovation (MORI) for an Intellectual Property Workshop, and the launch of a Technology Innovation Support Centre (TISC) & Intellectual Property (IP) Help Desk. This TISC/IP Help Desk will be available to the UWI community and beyond, to provide ease of access to education, information, training and advisory services in the area of Intellectual Property.

Exhibitions

Exhibitions remain a popular and effective way to showcase different selections from the library collection. Various departments have also used the Library's space to highlight their work. Exhibitions mounted during the year included:

- A Class Act: Celebrating Louise Bennett Coverley
- Celebrating Seacole Week
- Celebration of Books
- Edward Kamau Brathwaite
- Language Linguistics & Philosophy
- Plastic & Micro-Plastic in the Environment

- Quality Assurance Day
- Sepsis Awareness 2019
- Welcome Exhibition for new and returning students (included introduction to E-resources).

The Edward Seaga exhibition was remounted twice in September 2019 as follows:

- Edward Seaga Seminar and Exhibition put on by the Department of Sociology, Psychology and Social Work was held at The UWI Regional Headquarters on September 26, 2019
- Campion College Library on September 30, 2019.

Social Media Pages

The Library's overall social media presence has improved significantly over the period, with additional patrons following all social media pages. One member of the public donated three tablets to the UWI Tablet Project after seeing a post on Instagram of a staff member delivering a tablet in Clarendon. A Library Youtube channel was also created during the year to host instructional videos.

Volunteers and Community Service

Students from other institutions were placed at the Library to complete community service and voluntary hours during the year. A number of JAMVAT students also worked in the Library with the hours going towards a reduction in their tuition fees.

Mould Abatement

The Library continued to play a vital role in the mould abatement excise on the Campus. For the period under review assistance was offered to the Law Branch Library, Campus Projects Office, UWI School of Nursing and Campus Records Office with challenges associated with mould.

Services to External Visitors

Researchers pursuing private scholarly work and students from international universities were among the external visitors accommodated up to March 20. Despite the COVID-19 physical closure, the number of visitors to the Library for 2019–2020 increased by 12% over the previous year

External Visitors to the Library 2017–2020

	2019/2020 August–February	2018/2019	2017/2018
Total Visitors	92	79	124

Library Tours to Visitors

Library tours were conducted for prospective UWI students and other visitors to the Campus. This included sixth form students visiting the Campus for CAPE workshops. There were also guided educational tours of the installed solar system in the Science and Engineering Branch Library. In partnership with Solar Buzz Jamaica, the installing company, tours are customised to meet the level of participating institution. During the period under review tours were conducted for 18 Renewable Energy students and their lecturer, from Excelsior Community College, as well as a group of 66 students and 3 teachers from the Stella Maris Preparatory School, studying Energy, as a module in their curriculum.

AGILITY

Efforts made to diversify the revenue base of The UWI

Income Generation

The Mona Library, primarily through intake of the Reprographic Services Unit (RESU), and rental from its Multifunctional Room, generated income for the Library and the Campus. Branch Libraries also contributed to generating income through printing, photocopying and fines collected. With financial intake drastically reduced since March–July 2020 the Library generated income of \$10,075,212 compared to \$10,011,621 last year.

Cost Savings: Reduction in Cost of Database

In August 2019 the Acquisitions Librarian successfully negotiated for a reduction in the subscription cost of the Library's most expensive database, SciFinder. Annual subscription now stands at US\$ 60,000.00 compared to a 2018 cost of US\$ 103,000.00. The negotiation also resulted in an upgrade in the capabilities of this database and a subsequent migration to Scifinder-n.

Cost Savings: Solar Energy Project

The solar system installed at the Science and Engineering Branch Library continued to effect energy savings for the Library and by extension, the Mona Campus, which consumes excess energy produced.

Cost Savings: Relegation of the Pharos Print System

The Library realized annual savings of US\$ 4,300 with the relegation of the Pharos Printing System and employed more efficient printing processes.

Efforts at Fostering Digital Transformation

Significant gains were made in digital transformation initiatives in the Library. The Head of Systems in the Library is 'focal point' for the Mona Library in the Library and Taxonomy Stream of the Knowledge Resource Domain on the UWI Digital Transformation Programme. Within the Library our Systems Unit rolled out a number of initiatives towards transforming internal processes for greater economies of scale and elimination of inefficient processes. These include a revamping of workflow for printing in the Library which led to a reduction of print-related help desk requests by 200%; the development of metrics for measuring 'Estimated time of Completion' of static media digitization projects in the Digitization Unit; using the opportunity of a new Vendor for Printing Services on the Campus, to revamp processes, and the installation of a computerized Gate Counter which will now determine the number of distinct patrons who enter the Main Library. It is hoped that the Gate Counter will be rolled out in the branch libraries in the 2020/21 academic year.

Digitization Service

Quality Assurance has now been embedded in each step of the Digitization workflow to ensure high quality throughout the cycle and faster completion. During the period a total of 178 items including were digitized, totalling 10,691 pages done by the Digitization Lab. Of note was the digitization of the Nurses Association of Jamaica Journal, *Jamaican Nurse*. In addition, RESU digitized approximately 3,000 pages during the period.

EFFORTS TO FOSTER A CAMP TEAM

Training

Staff members were trained throughout the year in a number of areas: Virtual Reference, Shelving Workshop, Business Etiquette, Technology Innovative Support Centre /IP Help Desk Training Sessions, Digital Imaging and Quality Control, Using the features of Zoom, Preparing for teaching online UWILINC Sessions, Endnote, Protocols for Cleaning During the Pandemic. The HRMD sponsored Staff from the Library to attend the Jamaica Employment Federation leadership Training programmes held November 2019.

Brown Bag Sessions

The Library facilitated one Brown Bag session for Librarians "A Career Advancement @ UWI, Mona" on October 31, 2019.

Customer Service

The Library's Customer Service Team continued its initiative aimed at improving the customer service and implemented a number of initiatives during the year. These included: Customer Appreciation Day, Customer Service Thought for the Week sent to all staff, Customer Service Seminars, Customer Service Employee of the Year – 2019 recipient Audrey Saddler, Customer Service Section/Team/Unit/Branch of the Year – 2019 recipient Reprographic Services Unit (RESU)

STAFFING

New Appointments

The following members of staff were appointed to the post on the dates indicated:

- Mr. Mourice Thompson, Library Assistant I, April 1, 2020
- Ms. Kareen Bourne, Librarian II, February 1, 2020
- Ms. Yulande Lindsay, Librarian II, was temporarily appointed December 2, 2019
- Dr. Alicia Palmer, Instructional Design Specialist, December 1, 2019
- Ms. Seanna Campbell, Clerical Assistant III, October 1, 2019

Secondment

Ms. Simone Harrison was seconded from the School of Physical Therapy for two periods of 6 months from May 20 to November 30, 2019 and from December 1, 2019 to May 31, 2020. Ms. Simone Harrison was appointed as a member of staff of the Library effective June 1, 2020, based on the recommendation of the Library and approval from the School of Physical Therapy, FMS.

Outgoing Staff

The following staff resigned during the period under review:

- Mrs. Karlene Robinson, Senior Librarian retired August 2020.
- Mr. Noel Young, Library Attendant retired May 2020.
- Mr. Devon Johnson, Library Assistant I, Extended Shift, effective July 26, 2020
- Ms. Maxine Pusey, Custodian, Science and Engineering Branch Library, May 2020.
- Mrs. Jewel Ann Garvey-Miller, Clerical Assistant III, Acquisitions, November 22, 2019.

- Mrs. Omarsha Williams, Administrative Assistant II, Acquisitions, October 31, 2019.
- Mrs. Shawnette Allen, Clerical Assistant III, Acquisitions, September 20, 2019
- Miss Tanya Manassi, Librarian, West Indies and Special Collection, August 1, 2019.
- Miss Cherry Ann Smart, Librarian, West Indies and Special Collection, August 1, 2019.

PUBLICATIONS

Book Chapter

- **Kerr, P.** and **Lewis, J.** “The Framework and the Context: Refocusing Information Literacy at a Caribbean University.” In *The information literacy framework: case studies of successful implementation*. Eds. By Julien, Heidi, Melissa Gross, and Don Latham: Rowman & Littlefield Publishers, 2020. 149–161.

Referred Journal Articles

- **Harris, S., C. Folkes, K. Tyrell, and D. Brown.** “Nurturing Customer Service Culture in an Experience Economy: Employees’ Assessment of The UWI, Mona Library Service Model.” *Library Management* 41 (4/5), (2020): 193–220. DOI: <https://doi.org/10.1108/LM-05-2020-0080>
- Hambleton, I., Jeyaseelan, S., Collins, B., Anglin, P., Davis, K., **Harris, S.** and Gittens, C. “A Practical Guide to Protecting your Research Data (with Limited Resources).” *CANREC Bulletin* 1(2), (2019): 6–12.
- **Jones-Edman, G., J. Lewis, & B. Worrell-Johnson,** “Keeping up with best practices: Library exhibitions at a university in a Small Island Developing State.” *Alexandria: The Journal of National & International Library and Information Issues*, 29(1/2) (2019):59–76.

Conference Proceedings

- **Kerr, Paulette and Stewart, Paulette.** “(Re) Shaping and Expanding LIS Education in the Caribbean: An Examination of Strategic and Transformative Responses of DLIS, University of the West Indies, Mona”. Proceedings of the Association for Library and Information Science Education Annual Conference, Tennessee (2019). Compiled by Hannah Gunderman, pp 168–173. <https://www.ideals.illinois.edu/handle/2142/104679>

PAPERS PRESENTED AT CONFERENCES

Conferences

- **Jessica C. Lewis and Bernadette Worrell-Johnson.** “Unpacking the Peter Abrahams Collection. Unlocking Caribbean Memory”. An Academic Interdisciplinary Symposium on Archives and Records, The UWI Mona Campus, October 20, 2019.
- **Robinson, Karlene, Maureen Kerr-Campbell and Sonia Patrickson-Stewart.** “Identifying, discovering and marketing grey literature in Science in the English-speaking Caribbean: A Case Study of Jamaica’s Scientific Information Units.” International Federation of Library Association, Athens, August 2019.

PUBLIC SERVICES

Sasekea Harris

- Member, Library & Information Association of Jamaica (LIAJA)
- Americas Regional Council (ARC) **Delegate** to Online Computer Library Center (OCLC) Global Council (2019–2022)
- Online Computer Library Center (OCLC) Community Engagement Award Selection Committee (2020)
- United Church in Jamaica & The Cayman Islands Board of Elders

Paulette Kerr

- Member, Board of Management of National Library of Jamaica
- Member, UNESCO-UNAOC UNITWIN Chair on MILID for The UWI
- Member, Editorial Board, *International Journal of Information, Diversity and Inclusion*
- Member, Editorial Board, *Quality Education Forum*
- Member, Standing Committee, European Conference on Information Literacy (ECIL)

Jessica Lewis Marshall

- Exec Member, Library & Information Association of Jamaica (LIAJA)
- Member, American Library Association

Faith McKoy-Johnson

- Member, Association for Learning Technology
- Member, Medical Library Association

Sandra Stubbs

- National Judge for the Jamaica Library Service, National Reading Competition.

Karen Tyrell

- Member, Library & Information Association of Jamaica (LIAJA)



THE UNIVERSITY OF THE WEST INDIES
MONA CAMPUS, JAMAICA, WEST INDIES