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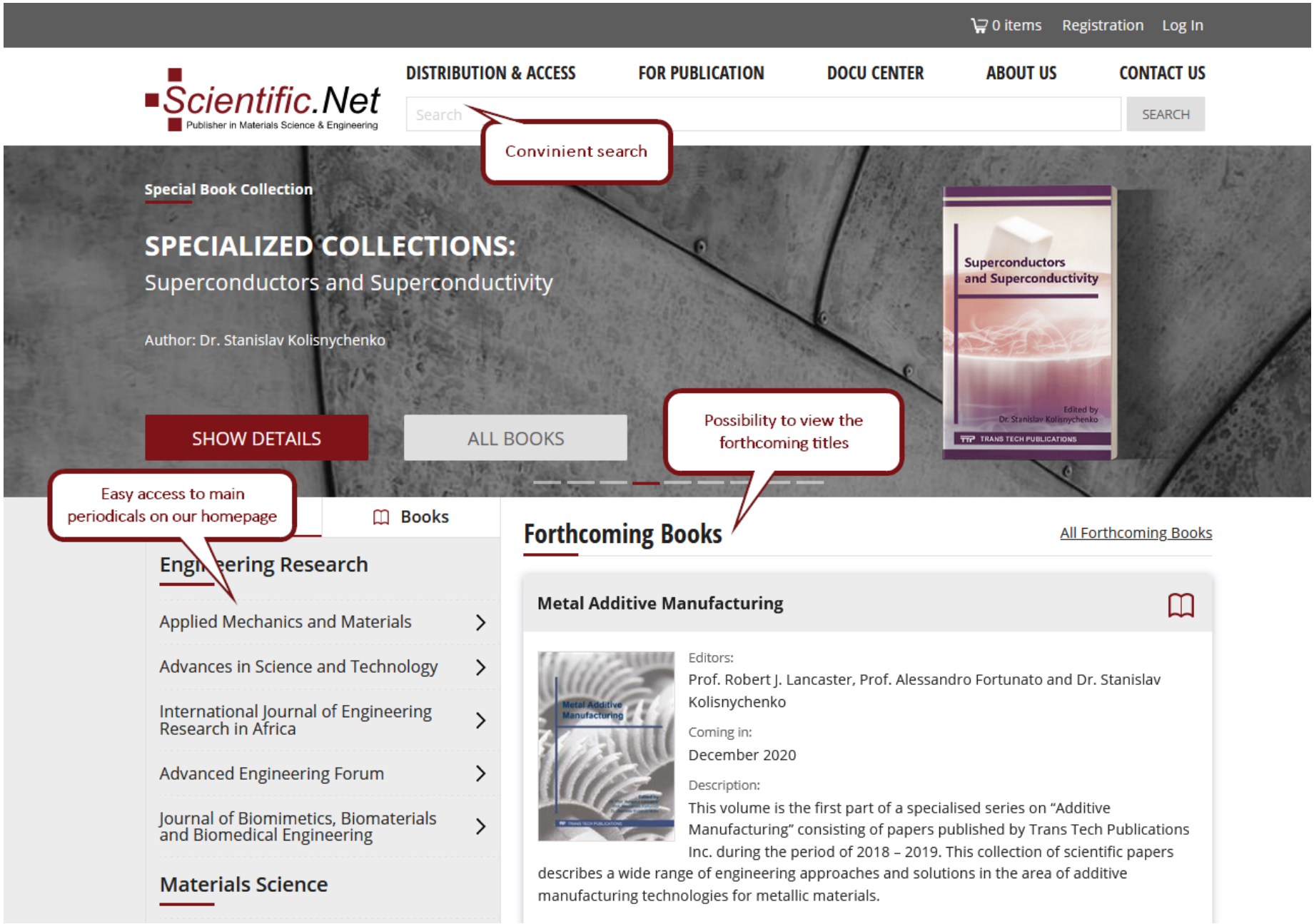

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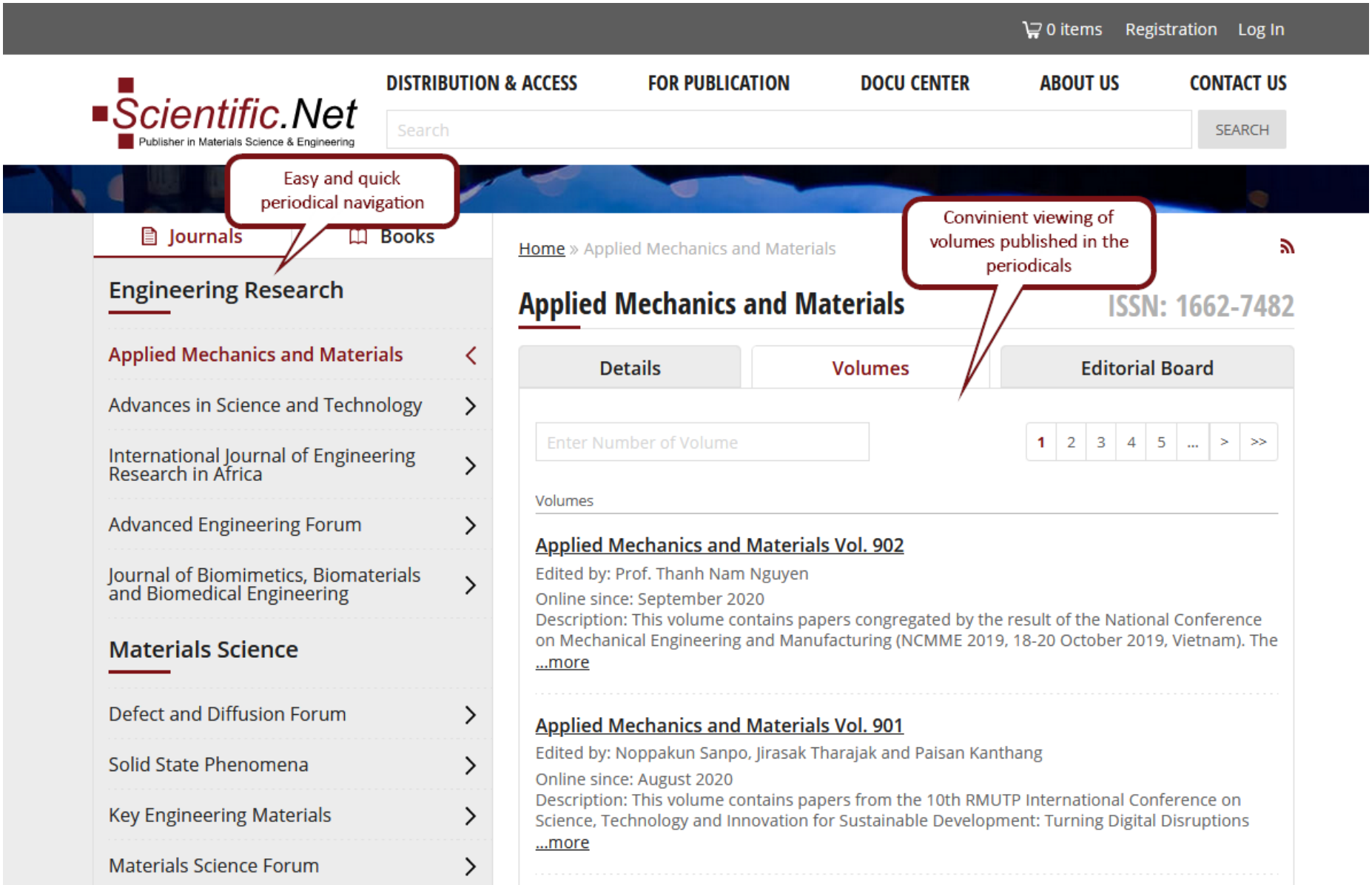

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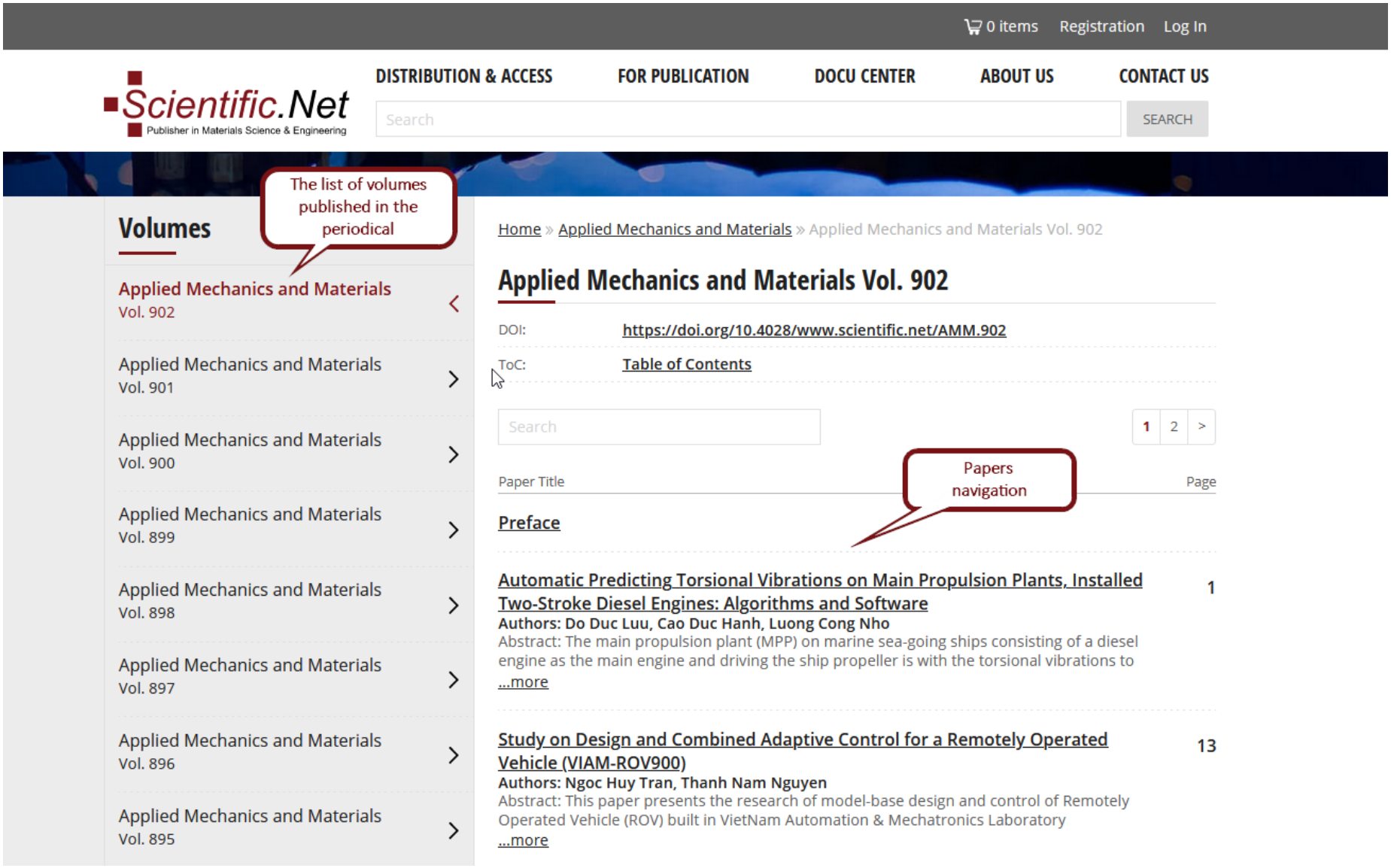

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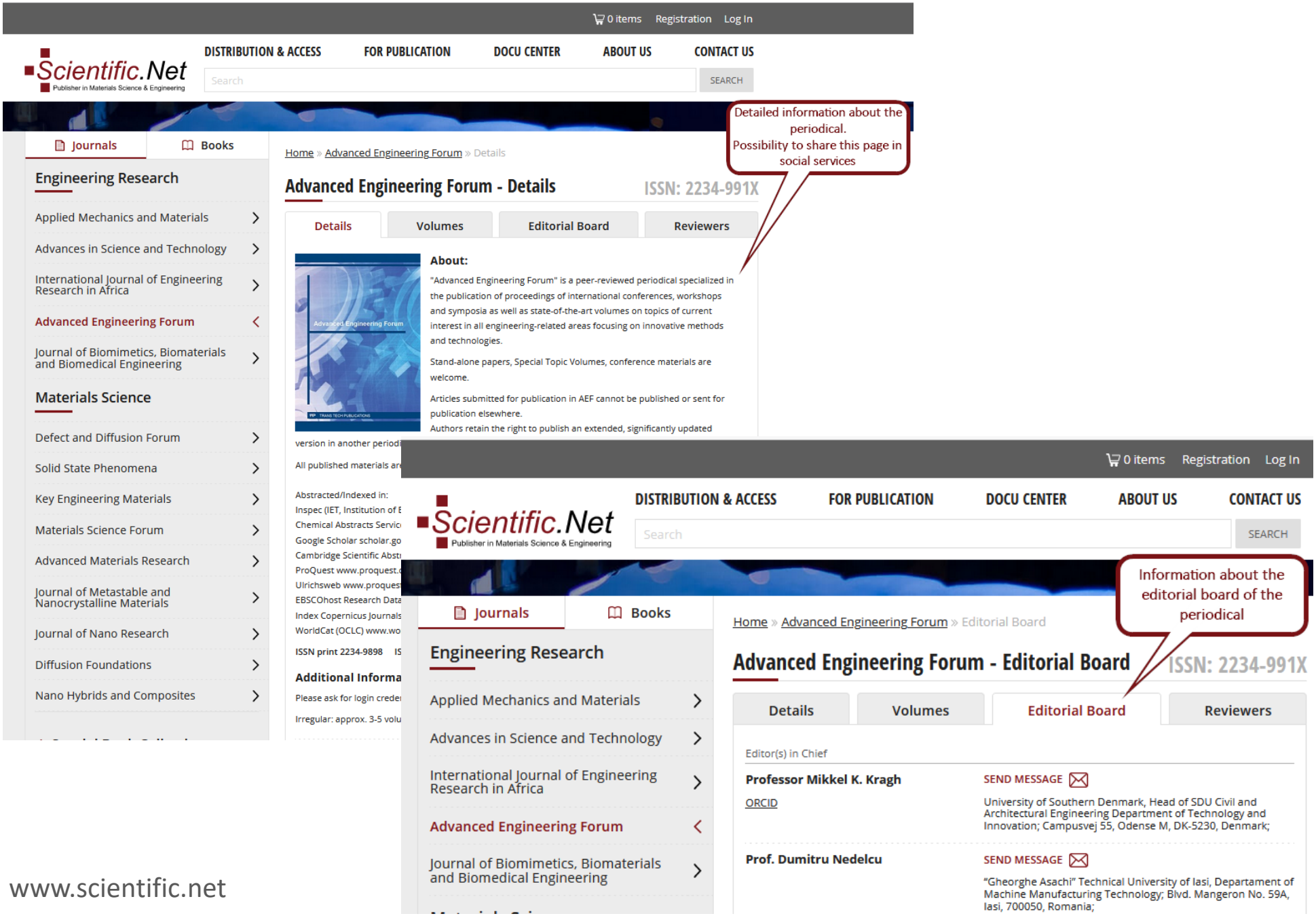

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Paper Titles

Application of Waste Elimination Theory in Production Processes at Balikpapan Shipyard

Abstract:

The shipbuilding industry also supports the economic sector in Balikpapan. Shipbuilding industry business generally consists of new building and ship repair. There is a shipyard in Balikpapan that already has experience in making landing craft tanks, tugboats and barges. But according to the head of production, this shipyard often experiences delays in the production process. Based on temporary assumptions, this happens due to correction and re-works waste. This study aims to find the initial causes of waste that occur, and try to prevent it. Prevention from the initial cause, is a meaningful innovation. This study uses the fault tree analysis (FTA) method as a modeling of the root causes; and waste management theory is used as the basis for the science of innovation application. The research objective is to increase shipyard productivity. Based on research there are five top events that cause delays in the production process at Balikpapan shipyard, they are work not done; incorrect raw material specifications; incorrect product specifications; changes by surveyor owner; and not yet approved by the class.

Info:

Periodical:	Advances in Science and Technology (Volume 104)
Edited by:	Andromeda Dwi Laksono
Pages:	1-6
DOI:	https://doi.org/10.4028/www.scientific.net/AST.104.1
Citation:	Cite this paper
Online since:	February 2021
Authors:	Taufik Hidayat*, Rodlian Jamal Rodlian, Suardi, Sabran

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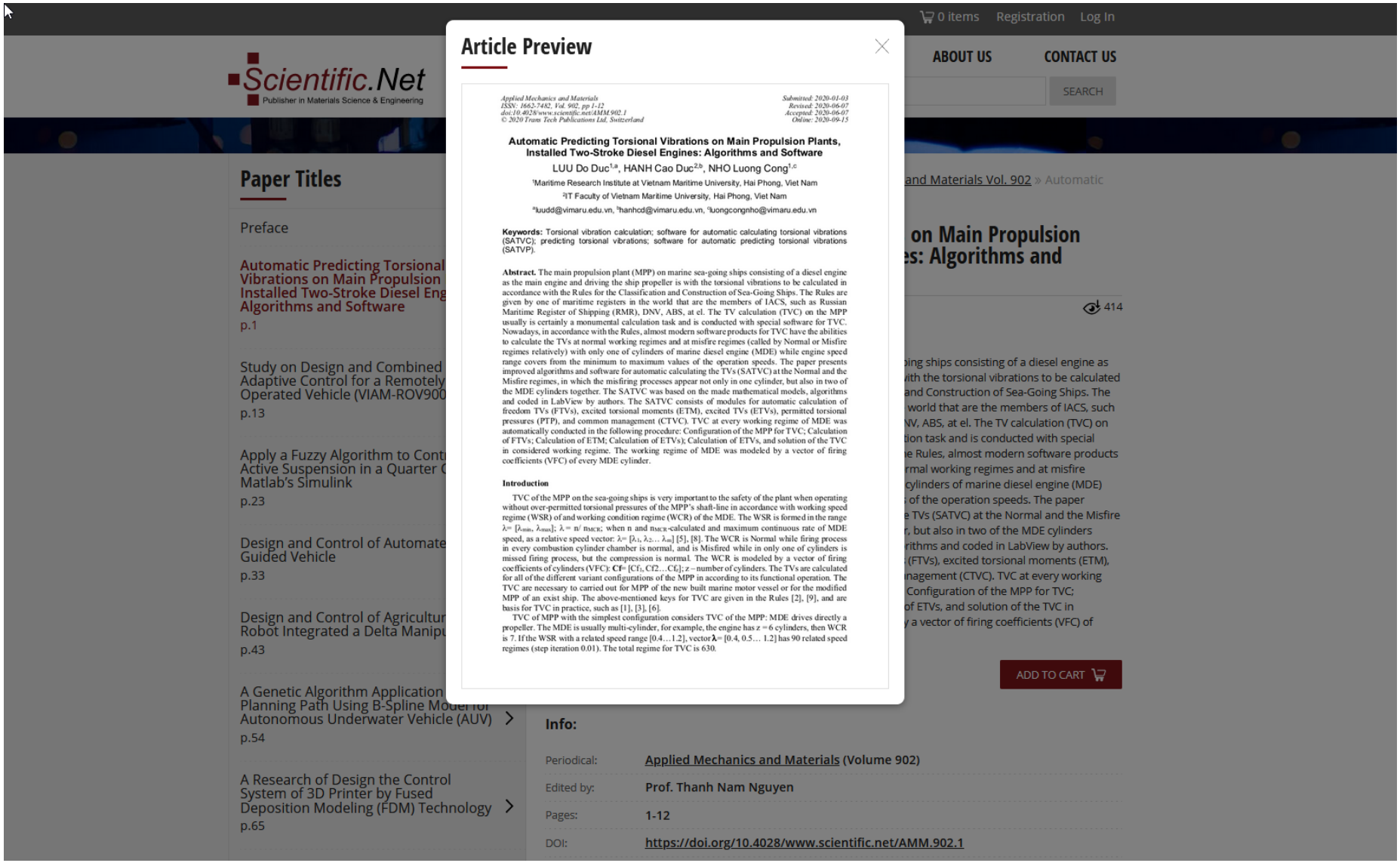

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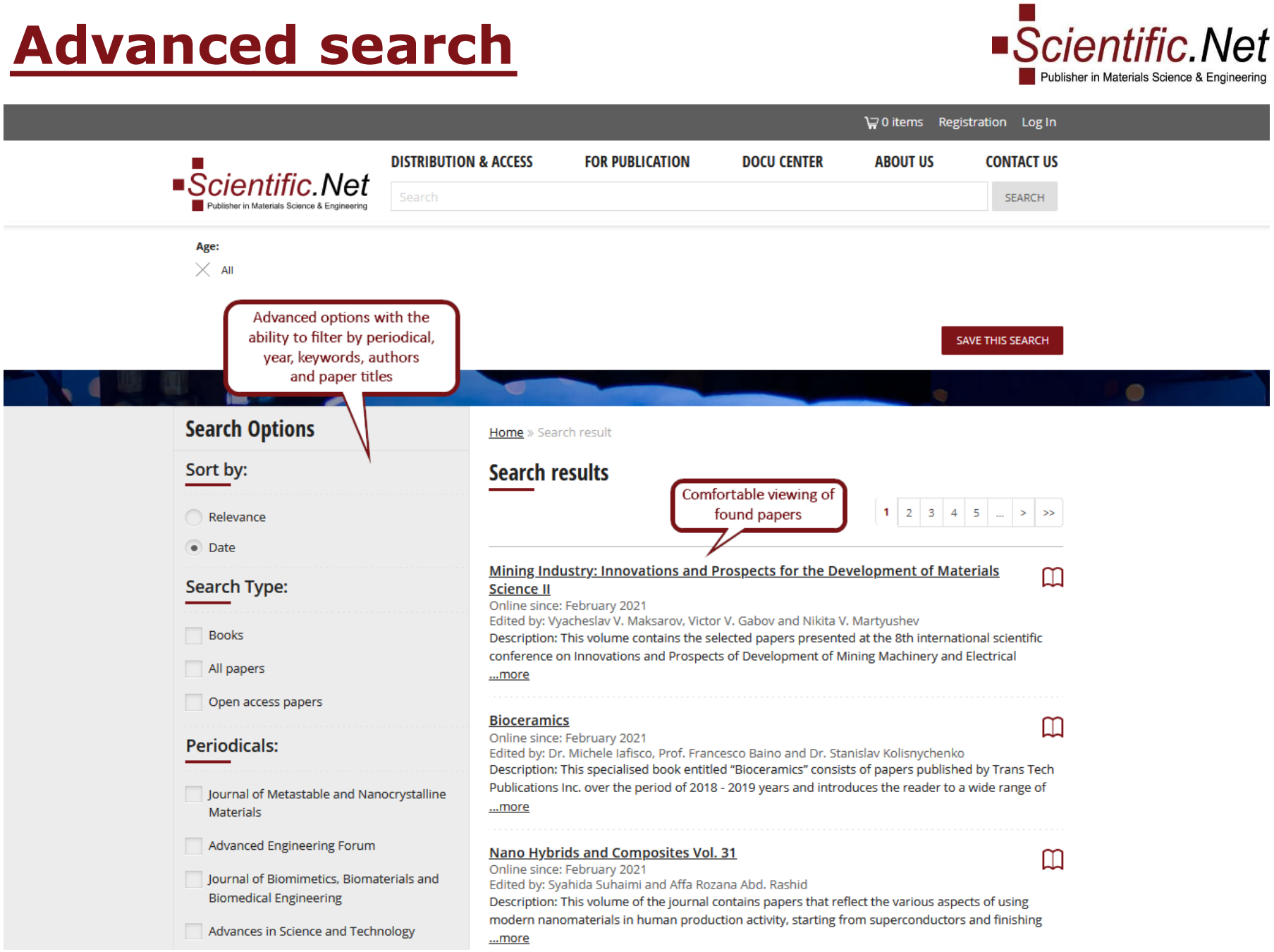

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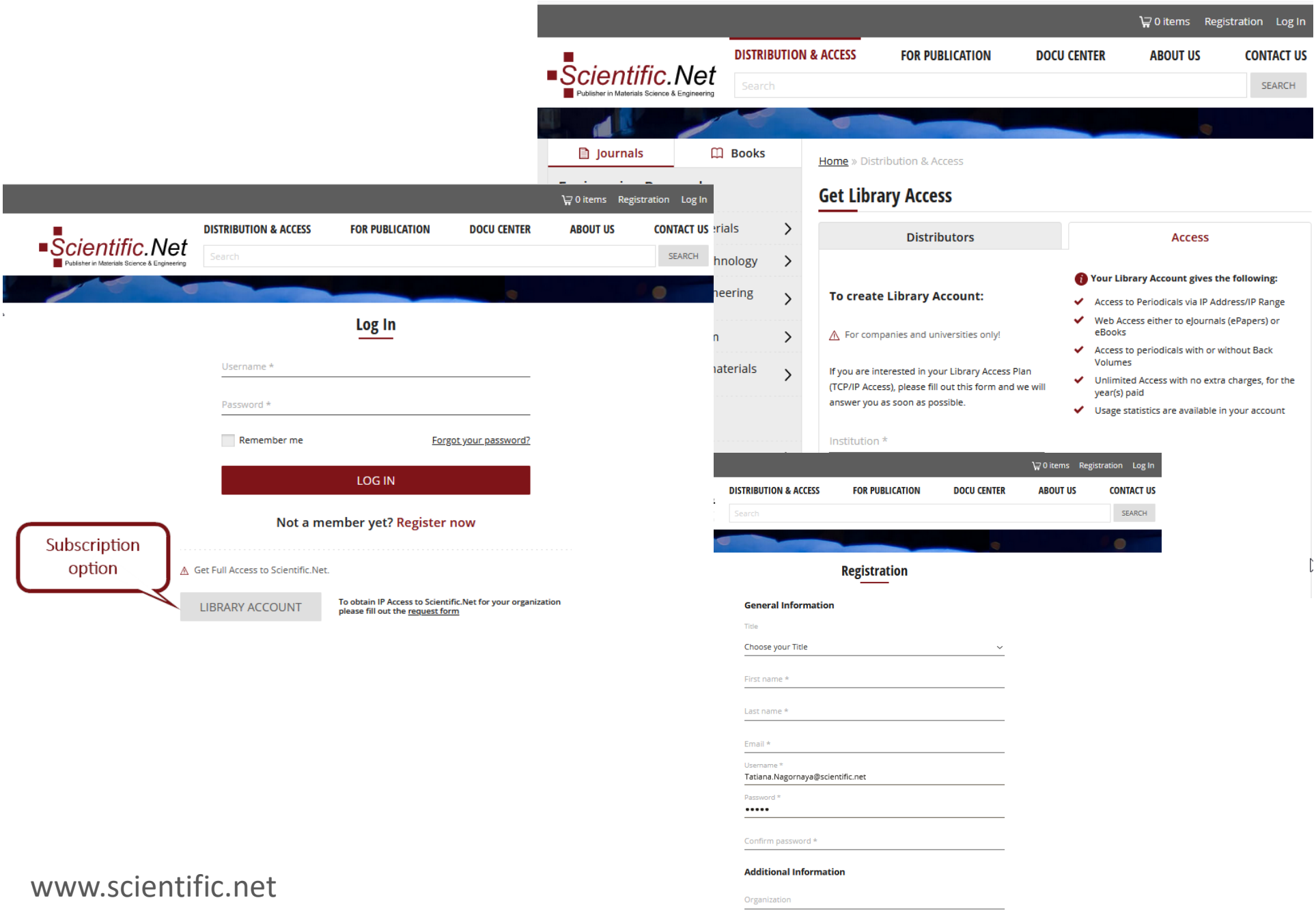

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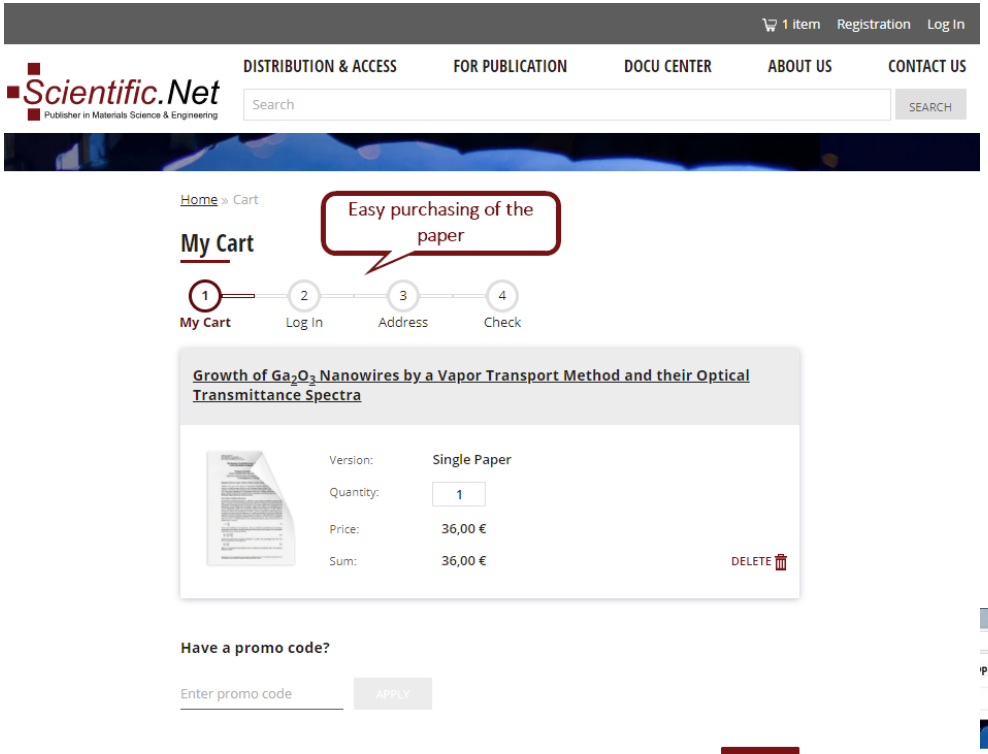

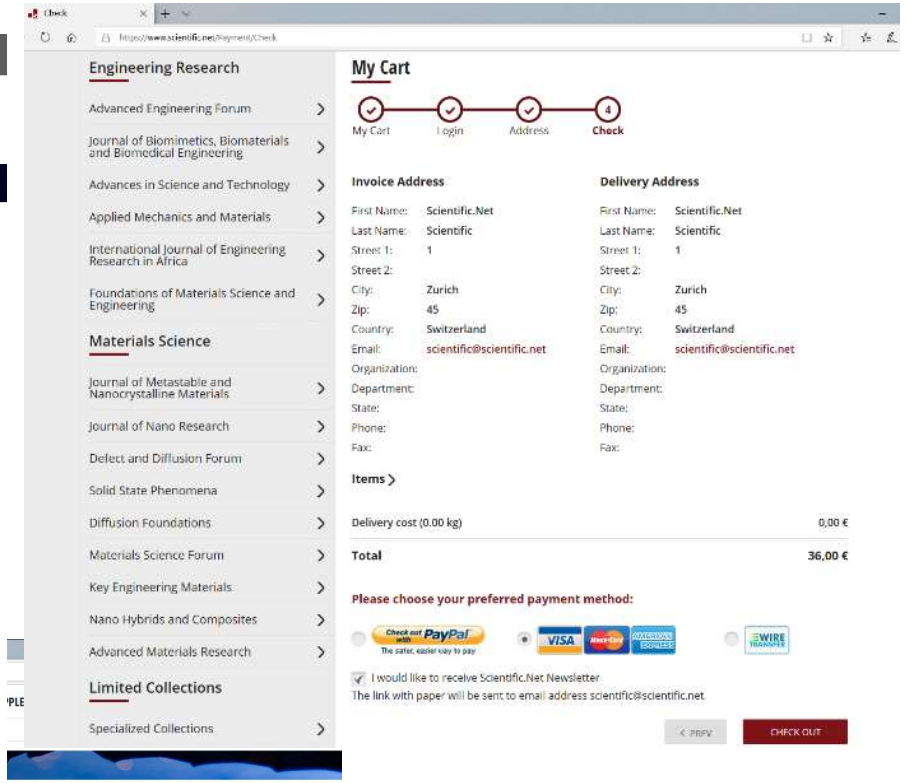

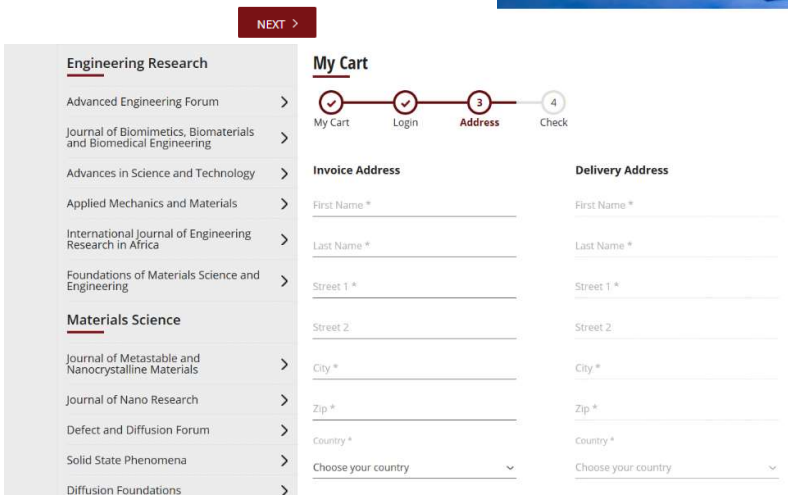

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