



an Open Access Journal by MDPI

Section **Upper Atmosphere**

Section Editor-in-Chief

Dr. Sergey Pulinetz

Space Research Institute, Russian
Academy of Sciences, 117997
Moscow, Russia

Section Information

The problem of coupling processes in the Earth's atmosphere has recently become of great relevance. Climate change, electric discharges from top of the clouds into the ionosphere, seismo-ionospheric coupling, the role of galactic cosmic rays in cloud formation and hurricane stimulation, and other novel issues present the challenge of reconsidering the energy balance and transformation within the upper atmosphere. Usually, the lower border of the upper atmosphere is positioned at altitudes higher than 50 km, where the processes of molecule dissociation and ionization start to play an important role. This altitude is also considered as the lower border of the ionosphere in models of global electric circuits. However, for this Section, our interest lies in the lower atmosphere up to the tropopause, where the maximum dissipation of galactic cosmic rays is situated, as well as a few kilometers higher than the tropopause, where we focus attention on the ozone layer and its role in atmosphere thermodynamics.

Author Benefits



Open Access Unlimited and free access for readers



Impact Factor 2.397 (2019 Journal Citation Reports®); 5-Year Impact Factor: 2.437 (2019)



Rapid Publication First decisions in 14.8 days and acceptance to publication in 2.9 days (median values for papers published in the second half of 2019)

Contact Us

Atmospheres
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
► www.mdpi.com

mdpi.com/journal/atmosphere
atmosphere@mdpi.com