



Ionospheric Monitoring and Modelling for Space Weather

Guest Editors:

Dr. Ljiljana R. Cander

RALSpace, STFC Rutherford
Appleton Laboratory, Oxfordshire
OX11 0QX, UK

Dr. Bruno Zolesi

National Institute of Geophysics
and Volcanology, 00143 Roma,
Italy

Deadline for manuscript
submissions:

closed (1 December 2021)

Message from the Guest Editors

Dear Colleagues,

Over the last decades, our scientific understanding and user's community appreciation of the ionospheric space weather and its impacts on Earth environment, some of the technological systems and human beings priority areas have changed considerably.

This Special Issue focuses on monitoring, and current and future programs for space and ground-based observations of the Earth's ionosphere proposing innovative ideas. It would also identify most important results and findings in the world-wide international domain that need additional examination and development in ionospheric weather mapping and modelling. These include selected review and featured papers on:

- General monitoring and modelling related topics;
- Geophysical conditions for enhanced hazard in ionospheric space weather;
- Physics and dynamics of the Earth's ionosphere from equatorial to high latitude;

If you are interested to take advantage of this opportunity, please send us an email with a tentative title and short abstract by 31 December 2020.

We look forward to hear from you, Guest Editors

Dr. Ljiljana R. Cander

Dr. Bruno Zolesi

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Ilias Kavouras

Environmental, Occupational,
and Geospatial Health Sciences,
CUNY School of Public Health,
New York, NY 10027, USA

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

Journal Rank: CiteScore - Q2 (*Environmental Science (miscellaneous)*)

Contact Us

Atmosphere Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
[X@Atmosphere_MDPI](#)