Special Issue

Ionospheric Science and Ionosonde Applications

Message from the Guest Editors

This Special Issue is focused on the use of modern ionosondes to monitor, model and study the ionosphere by means of classical and innovative methodologies, for both research and operation. Contributions related, but not restricted to the following topics are welcome:

- Ionospheric studies using vertical and oblique HF radio-soundings data;
- Ionospheric HF radio propagation;
- Automatic interpretation of ionograms;
- New ionosonde features and operative capabilities;
- Integration of ionosonde data with other ionospheric monitoring techniques;
- Characterization of the Earth's ionosphere and thermosphere, particularly during periods of active space weather;
- Use of ionosonde data for ionospheric modeling and space weather operations;
- Coupling between different regions of the Earth and space environment (lithosphere, atmosphere, ionosphere, magnetosphere, heliosphere).

We look forward to your contributions.

Guest Editors

Dr. Dario Sabbagh

Upper Atmosphere Physics and Radiopropagation Unit, Istituto Nazionale di Geofisica e Vulcanologia (INGV), 00143 Rome, Italy

Dr. Justin Mabie

National Centers for Environmental Information (NCEI), National Oceanic and Atmospheric Administration (NOAA), Boulder, CO 80307, USA

Deadline for manuscript submissions

closed (25 November 2022)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/107789

Atmosphere
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

mdpi.com/journal/atmosphere

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/journal/atmosphere

About the Journal

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!

Editor-in-Chief

Dr. Daniele Contini
Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

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))

MDPI