atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 4.6

New Insight into Observations of the Ionospheric Effect

Guest Editor:

Dr. Yi Liu
Department of Space Physics, School of Electronic Information, Wuhan University, Wuhan 430072, China

Deadline for manuscript submissions:
closed (22 March 2024)

Message from the Guest Editor

The ionosphere is an important transition region between the lower atmosphere and the Earth's magnetosphere and has significant temporal and spatial variations. The spatio-temporal distribution of charged particles in the ionosphere is affected by several physical processes, such as electrodynamics under the action of the Earth's magnetic field and collisions with neutral particles. In recent decades, with the continuous development of science and technology and the expansion of human activities into the upper atmosphere and space field, the ionosphere has gained increasing prominence, and monitoring and understanding this layer is thus critical. We invite you to submit papers providing new insights into observations of the ionospheric effect. Relevant directions include ionospheric space weather, ionospheric structures and climatology, ionospheric dynamics and couplings, ionospheric irregularity and scintillation, modeling and data assimilation, and ionosphere and sounding techniques.

atmosphere

IMPACT FACTOR 2.5

CITESCORE 4.6

an Open Access Journal by MDPI

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

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, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
𝕏@Atmosphere_MDPI