

## Special Issue

# New Insight into Observations of the Ionospheric Effect

### 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.

### Guest Editor

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### Deadline for manuscript submissions

closed (22 March 2024)



## Atmosphere

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## 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!

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### Editor-in-Chief

Dr. Daniele Contini

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