

Special Issue

Recent Advances in Ionosphere Observation and Investigation (2nd Edition)

Message from the Guest Editors

This Special Issue is a follow-up of the first Special Issue entitled “Recent Advances in Ionosphere Observation and Investigation”

(https://www.mdpi.com/journal/atmosphere/special_issues/942A3X5G1A) published in Atmosphere and will cover all aspects of recent advances in ionosphere observation, investigation, modeling, and forecasting, with interests in ionosphere characterization under the influence of external drives, in association with space weather, as well as under internal atmosphere drives. Authors are invited to contribute papers related, but not limited, to the following topics: Multi-instrument ionospheric observations; ionospheric dynamics; ionospheric irregularities; Influence of solar and geomagnetic activities in the ionosphere; ionosphere coupling between high and low latitudes; ionosphere coupling with lower layers of the atmosphere.

Guest Editors

Dr. Emilia Correia

Dr. Jean-Pierre Raulin

Prof. Dr. Paulo Roberto Fagundes

Dr. José-Valentin Bageston

Deadline for manuscript submissions

closed (31 July 2025)



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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!

Editor-in-Chief

Dr. Daniele Contini

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