

## Special Issue

# Satellite Measurements and the Monitoring of Ionosphere and Space Weather (Second Edition)

### Message from the Guest Editors

This collection of studies aims to advance our understanding of the ionosphere's intricate dynamics, strengthening the development of robust space weather forecasting models and improving the resilience of satellite-based communication and navigation systems. We encourage submissions to address themes such as multi-source data integration for refined ionospheric modeling, the development of novel algorithms to identify ionospheric irregularities, the use of advanced signal processing techniques to mitigate propagation anomalies, and reductions in positioning accuracy under severe space events. We specifically aim to investigate space weather's role in driving ionospheric disturbances, as well as the TIDs triggered by natural disasters, including earthquakes, volcano eruptions, typhoons, etc. By elucidating these mechanisms, this research provides critical insights for predicting and compensating ionospheric impacts on global positioning accuracy during extreme space weather events.

### Guest Editors

Prof. Dr. Fuyang Ke

Dr. Wang Li

Dr. Lei Liu

Dr. Dongsheng Zhao

### Deadline for manuscript submissions

30 November 2025



## Remote Sensing

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### Message from the Editor-in-Chief

*Remote Sensing* is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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### Editor-in-Chief

Dr. Prasad S. Thenkabail

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