# Special Issue

# Advances in GNSS Remote Sensing for lonosphere Observation

### Message from the Guest Editors

This Special Issue focuses on recent developments in remote sensing technologies and methodologies used to observe and study the ionosphere, highlighting advancements in both ground-based and space-based tools, such as ionosondes, GPS-based total electron content (TEC) measurements, and satellite missions that improve the accuracy of ionospheric monitoring. This collection of studies marks a major step forward in understanding the ionosphere's complex processes. contributing to more reliable space weather forecasting models and enhancing the performance of communication and navigation systems. Suggested themes for submissions include, but are not limited to, the integration of multi-source data for comprehensive ionospheric modeling, new algorithms for detecting ionospheric irregularities, and the application of advanced signal processing techniques. The issue also examines the effects of space weather on ionospheric disturbances, offering insights into how solar activity and geomagnetic storms impact the ionosphere.

#### **Guest Editors**

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#### Deadline for manuscript submissions

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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 peerreview 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.

#### Editor-in-Chief

#### Dr. Prasad S. Thenkabail

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