

## Special Issue

# Remote Sensing Data Refinement and Utilization for Advanced Atmospheric Observations

### Message from the Guest Editors

This Special Issue aims to provide a platform for researchers to share the latest achievements in the application, validation, calibration, and related methodological developments using satellite data in the field of atmospheric observation. The content must align with the aims and scope of the journal (*Remote Sensing*), focusing on high-quality research.

Suggested themes for submissions:

- Novel retrieval algorithms for atmospheric components (e.g., aerosols, trace gases, clouds) from satellite remote sensing
- Ground-based validation and inter-comparison studies of satellite atmospheric products
- On-orbit performance monitoring and calibration techniques for satellite sensors
- Atmospheric correction
- Polarization atmosphere
- Applications of multi-source satellite data fusion and assimilation in atmospheric sciences
- Research on climate change and atmospheric environmental processes based on satellite data
- Applications of machine learning and artificial intelligence in processing satellite atmospheric data
- Data evaluation and application from emerging satellite missions (e.g., hyperspectral, LiDAR)

### Guest Editors

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**Deadline for manuscript submissions**



## Remote Sensing

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CiteScore 8.6



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## About the Journal

### Message from the Editorial Board

*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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