Special Issue

Multi-Source Atmospheric Remote Sensing: Enabling High-Precision Meteorological Monitoring and Forecasting

Message from the Guest Editors

For this Special Issue, we welcome contributions from researchers in atmospheric sciences, remote sensing, data assimilation, and environmental modeling to share their latest findings on the application of multi-source atmospheric remote sensing for refined weather monitoring and forecasting. In particular, we encourage studies investigating the following:

- **Multi-source remote sensing data fusion and assimilation**
- **High-resolution atmospheric vertical sounding for fine-scale applications**
- **AI-driven atmospheric remote sensing**
- **Extreme weather monitoring**
- **Urban, regional, and low-altitude economy meteorological applications**

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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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