

Special Issue

Advanced GNSS Remote Sensing Techniques for Meteorology and Climate Sciences

Message from the Guest Editors

With the rapid development of the cutting-edge multi-GNSS systems, GNSS remote sensing techniques offer an unprecedented opportunity for atmospheric modeling and provides high accuracy mega-geodetic data for meteorological and climatological studies. Precipitable water vapor, zenith total delay, slant total delay, slant water vapor, gradient, bending angle, refractivity and other atmospheric products obtained from space/ground-based GNSS remote sensing techniques have heralded a new era of atmospheric sounding, space weather monitoring, GNSS meteorology and climatology. This Special Issue mainly focuses on papers that address topics including but not limited to:

- Advanced multi-GNSS atmospheric sounding and data processing;
- Atmospheric augmentation modeling for PPP;
- Data assimilation into operational earth system models;
- Space weather modeling and monitoring;
- Data mining of atmospheric products;
- Machine learning-based approaches for data retrieval, weather forecasting and climate monitoring.
- Furthermore, miscellaneous interdisciplinary researches and new applications in the atmosphere, meteorology and climatology fields are also welcomed.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

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