remote sensing

IMPACT FACTOR 4.1

CITESCORE 8.6

an Open Access Journal by MDPI

Advanced GNSS Remote Sensing Techniques for Meteorology and Climate Sciences

Guest Editors:

Dr. Xiaoming Wang

Prof. Dr. Kefei Zhang

Prof. Dr. Suelynn Choy

Dr. Karina Wilgan

Dr. Haobo Li

Deadline for manuscript submissions:
closed (30 September 2022)

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.

mdpi.com/si/112339

Special Issue

remote sensing

IMPACT FACTOR 4.1

CITESCORE 8.6

an Open Access Journal by MDPI

Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.
Journal Rank: JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)

Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
𝕏@RemoteSens_MDPI