

Special Issue

Advanced Multi-GNSS Positioning and Its Applications in Geoscience

Message from the Guest Editors

With the rapid development of global navigation satellite systems (GNSSs), nowadays, multi-frequency and multi-constellation GNSSs represented by BDS and Galileo have played an irreplaceable role in the field of geoscience, including earthquake warning, geodynamics, meteorology, and deformation monitoring. This Special Issue of *Remote Sensing* aims to collect papers on the advanced algorithms for multi-GNSS high-precision positioning, multi-sensor integrated data processing, and their applications in geoscience. We welcome both theoretical and applied research contributions that cover the following aspects:

- Multi-GNSS RTK, PPP, PPP-AR, and PPP-RTK;
- Multi-GNSS and pseudolite/low Earth orbiter (LEO) integrated positioning;
- Multi-GNSS and multi-sensor integrated positioning using affordable equipment;
- Monitoring of ionospheric irregularities, scintillation, and disturbance based on the multi-GNSS;
- Retrieval of precipitable water vapor (PWV) and atmosphere mean temperature using multi-GNSSs;
- Surface deformation monitoring such as seismic displacements and mining subsidence using multi-GNSSs.

Guest Editors

Dr. Ahao Wang

Dr. Yize Zhang

Dr. Xuexi Liu

Dr. Xiangdong An

Prof. Dr. Junping Chen

Deadline for manuscript submissions

30 January 2025



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.3



mdpi.com/si/210995

Remote Sensing
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.3



[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)



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

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

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)