



## Advanced Remote Sensing Technology in Geodesy, Surveying and Mapping

Guest Editors:

**Prof. Dr. Bojan Stopar**

Chair of Mathematical and Physical Geodesy and Navigation, Faculty of Civil and Geodetic Engineering, University of Ljubljana, Ljubljana, Slovenia

**Prof. Dr. Krištof Oštir**

Chair of Geoinformatics and Real Estate Cadastres, Faculty of Civil and Geodetic Engineering, University of Ljubljana, Ljubljana, Slovenia

Deadline for manuscript submissions:

**14 September 2024**

### Message from the Guest Editors

The main aim of this Special Issue is to highlight the latest developments in GNSS, recent advances in positioning algorithms methods and integration of positioning technologies/sensors and Earth observation data for various geodetic, surveying, and mapping applications.

The potential topics include, but are not limited to, the following:

- Geodetic, Surveying, and Mapping Concepts and Applications;
- Technologies and Sensors for Terrestrial, Aerial, and Maritime Positioning (GNSS, TPS, TLS, ALS, photogrammetry, IMU);
- GNSS data-processing methods and algorithms (static, kinematic, GNSS networks, RTK-GNSS, challenging conditions, low-cost GNSS receivers, smartphones, GNSS interference—jamming and spoofing);
- Hybridization of GNSS, TPS, TLS, ALS, IMU, Earth observation data;
- Fusion of georeferenced spatial models and Earth observation data;
- Integration of GNSS and InSAR processing;
- Time series processing and application.





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, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/remotesensing](http://mdpi.com/journal/remotesensing)  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)  
[X@RemoteSens\\_MDPI](https://twitter.com/RemoteSens_MDPI)