

## Special Issue

# Integrated Geodetic Approaches for Monitoring Ground Deformation in Human-Altered Landscapes

### Message from the Guest Editors

This Special Issue aims to showcase cutting-edge research on the integrated application of geodetic technologies—specifically GNSS, Advanced DInSAR, and spirit levelling—for monitoring ground deformation. We seek contributions demonstrating how these combined approaches enhance detection, measurement, and analysis of surface displacements in areas affected by anthropogenic and natural processes. This aligns with *Remote Sensing's* focus on advanced monitoring techniques and their practical applications. We invite high-quality scientific papers dealing with the following:

- Methodological frameworks for integrating multi-sensor geodetic data in deformation monitoring.
- Case studies of combined GNSS, A-DInSAR, and geometric levelling applications in the following:
  - Mining-affected regions;
  - Urban areas experiencing subsidence from groundwater extraction;
  - Landslide-prone environments;
  - Infrastructure and building stability monitoring.
- Advances in data fusion techniques for multi-sensor deformation analysis.
- Validation approaches for integrated geodetic monitoring systems.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 November 2025)



## Remote Sensing

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Impact Factor 4.1  
CiteScore 8.6



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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.

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### Editor-in-Chief

Dr. Prasad S. Thenkabail

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