Special Issue

Advances in Remote Sensing and AI for Monitoring and Mitigating Land Subsidence and Secondary Geohazards

Message from the Guest Editors

This Special Issue aims to highlight recent breakthroughs in remote sensing for land subsidence research. It aligns with the journal's scope by emphasizing the development of advanced remote sensing applications, geospatial analysis, and AI-driven solutions. It includes, but is not limited to, the following topics:

- InSAR and GNSS applications in monitoring land subsidence and secondary earthquake hazards;
- Advanced algorithms for processing InSAR and GNSS data in subsidence research on infrastructure such as railway lines;
- Three-dimensional deformation analysis combining InSAR and GNSS data;
- Deep learning and machine learning methods for automated detection and prediction of subsidence;
- Monitoring and modeling subsidence in mining regions, urban environments, volcanic zones, earthquake-prone areas, and permafrost areas;
- Case studies on the impact of land subsidence on infrastructure and ecosystems;
- Data fusion approaches for integrating InSAR, GNSS, optical remote sensing, and other geospatial datasets.

Guest Editors

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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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