

Special Issue

Geodesy for Geohazards with AI Techniques

Message from the Guest Editors

This Special Issue, "Geodesy for Geohazards with AI Techniques", aims to explore cutting-edge applications of AI in geodesy for geohazard research. It focuses on how AI techniques can be integrated with traditional geodetic methods to provide innovative solutions for addressing various geohazards, such as earthquakes, volcanic eruptions, landslides, subsidence, and ground deformation. We invite researchers from diverse fields to contribute their latest findings and insights on topics including, but not limited to, the following:

- AI-driven data processing and analysis of geodetic and remote sensing observations (e.g., GNSS, Gravity, InSAR, LiDAR, satellite imagery);
- Machine learning approaches for geohazard risk assessment and early warning using remote sensing data;
- Deep learning applications in geodetic and remote sensing image analysis and interpretation;
- Integration of remote sensing data with AI for improved monitoring and prediction of geohazards;
- Case studies demonstrating the successful implementation of AI and remote sensing techniques in geohazard management.

Guest Editors

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Message from the Editorial Board

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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