

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

Prof. Dr. Yunlong Wu

Prof. Dr. Xiang Zhang

Dr. Yulong Zhong

Deadline for manuscript submissions

31 December 2025



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/244495

Remote Sensing
Editorial Office
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 4.1
CiteScore 8.6



[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)