Special Issue

Advanced Satellite Remote Sensing for Geohazards

Message from the Guest Editors

Satellite remote sensing has emerged as a pivotal tool in monitoring and understanding geohazards worldwide. This Special Issue aims to explore advanced techniques in satellite remote sensing, such as Synthetic Aperture Radar (SAR) and multispectral data, for detecting and monitoring geohazards such as landslides, land subsidence, and cryospheric disasters. These techniques offer unprecedented capabilities in spatial and temporal monitoring, providing critical insights into the dynamics and impacts of geohazards on both natural and human environments. This Special Issue aims to explore recent advancements and innovative applications of advanced satellite remote sensing techniques for geohazard analysis. It aligns with the scope of *Remote Sensing* by emphasizing the integration of satellite remote sensing technologies with geosciences and environmental studies. This Special Issue seeks to advance methodologies in satellite remote sensing data processing, validation techniques, and modelling approaches, ultimately contributing to an improved understanding and management of geohazards at local, regional, and global scales.

Guest Editors

Prof. Dr. Keren Dai

Prof. Dr. Roberto Tomás

Prof. Dr. Ruya Xiao

Prof. Dr. Yi He

Dr. Roberta Bonì

Deadline for manuscript submissions

10 July 2026

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/212495

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

mdpi.com/journal/remotesensing

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

About the Journal

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.

Editors-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

Prof. Dr. Dongdong Wang
Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

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)

MDPI