

Special Issue

Application of Remote Sensing Approaches in Geohazard Risk (Second Edition)

Message from the Guest Editors

Under the influence of global climate change, rapid urban expansion, and drastic human activities, geological hazards, including landslides, debris flow, and subsidence, occur frequently every year around the world. Numerous geological disasters pose a great threat to human life and property safety, especially in less developed regions. Carrying out a risk study of geological disasters is considered an effective method to reduce losses. Accurate observation of the geohazard phenomena from initiation to failure is the premise for risk analysis and prediction. Traditional ground-based monitoring techniques can directly observe various phenomena of geological hazards, but the high cost and sparse spatial distribution limit their application on the regional scale and in fine evaluations. In recent years, remote sensing methods, such as radar interferometry, UAVs, and LiDAR, have been widely used. These advanced approaches make significant contributions to various steps of geological disaster risk prevention, including detection, monitoring, and early warning.

Guest Editors

Dr. Chao Zhou

Prof. Dr. Kunlong Yin

Dr. Federico Raspini

Deadline for manuscript submissions

31 July 2025



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/227490

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)