



## Application of Remote Sensing Approaches in Geohazard Risk

Guest Editors:

**Dr. Chao Zhou**

School of Geography and  
Information Engineering, China  
University of Geosciences, Wuhan  
430078, China

**Prof. Dr. Kunlong Yin**

Faculty of Engineering, China  
University of Geosciences, Wuhan  
430074, China

**Dr. Federico Raspini**

Department of Earth Sciences,  
University of Florence, Via La Pira,  
4-50121 Firenze, Italy

Deadline for manuscript  
submissions:

**15 December 2024**

### Message from the Guest Editors

Dear Colleagues,

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 the risk study of geological disasters is considered as an effective method to reduce the 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, LiDAR, etc., have been widely used. These advanced approaches make significant contributions to various steps of geological disaster risk prevention, including detection, monitoring, and early warning.





an Open Access Journal by MDPI

## 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

## 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.

## 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*)

## Contact Us

*Remote Sensing* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/remotesensing](http://mdpi.com/journal/remotesensing)  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)  
[X@RemoteSens\\_MDPI](https://twitter.com/RemoteSens_MDPI)