



Remote Sensing Supporting the Inventorying and Analysis of Ground Instabilities Scenarios Induced by Earthquakes

Guest Editors:

Dr. Matteo Fiorucci

Department of Civil and Mechanical Engineering,
University of Cassino and Southern Lazio, Via G. Di Biasio 43, 03043 Cassino, FR, Italy

Dr. Gian Marco Marmoni

Department of Earth Sciences, Sapienza University of Rome and CERI—Research Centre for Geological Risks, Piazzale Aldo Moro 5, 00185 Rome, Italy

Prof. Dr. Salvatore Martino

Department of Earth Sciences, Sapienza University of Rome and CERI—Research Centre for Geological Risks, Piazzale Aldo Moro 5, 00185 Rome, Italy

Message from the Guest Editors

This Special Issue aims to focus on all the remote sensing applications that have enabled detection of irregularities over a large area of landslides, or other types of ground effects, induced by high-magnitude earthquakes that have occurred worldwide. Another topic of interest is linked to ground-effect scenarios induced by low-magnitude earthquakes, which can, however, give rise to outliers in expected spatial distribution, as the effect of the simultaneous action on the affected area of predisposing or preparatory factors, which can increase the areal proneness to ground instabilities.

We encourage the submission of research papers, reviews, technical notes and brief reports in which the remote sensing techniques have been employed to recent earthquakes and case histories of earthquake-induced landslides, the reconstructions of new inventories, the analysis of single cases or earthquake-induced scenarios at regional scales in remote/large areas.

Deadline for manuscript submissions:

15 July 2026





an Open Access Journal by MDPI

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

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.

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, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)