Special Issue

Remote Sensing for Geohazard Monitoring and Assessment

Message from the Guest Editor

Significant advancements in remote sensing capabilities have enabled us to identify and monitor a wide variety of geological hazards. In particular, the temporal and spatial resolution that can now be achieved with terrestrial and airborne platforms (including UAVs) provide details that are not discernible from satellite platforms.

This Special Issue focuses on the application of terrestrial, airborne and satellite-based remote sensing platforms and technologies for the identification, monitoring and quantification of geological hazards. Primary sensor technologies of interest include InSAR, LiDAR, and optical, thermal, multispectral and hyperspectral imaging. The techniques employed to extract information from point clouds, implementing artificial intelligence for data evaluation and techniques for prognosticating hazard development are also of interest.

Guest Editor

Prof. Dr. Scott Kieffer
Institute of Applied Geosciences, Graz University of Technology and NAWI Graz Geocenter, Rechbauerstraße 12, 8010 Graz, Austria

Deadline for manuscript submissions

28 September 2025

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/234757

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

mdpi.com/journal/remotesensing

MDPI

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 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)