Special Issue

Rock Slope Hazard, Vulnerability and Risk Modelling Using Remotely Sensed Data and Data-Driven Techniques

Message from the Guest Editors

This Special Issue aims to present novel contributions, case studies and applications of recent advances in remote sensing regarding studying the stability of rock slopes, their hazard and vulnerability assessments and risk management. In particular, the application of advanced machine learning models in rock slope characterisation, hazard and risk modelling are welcome topics. Examples of contributions include:

- Rock mass characterisation;
- Rock slope stability assessment;
- Developments in rock slopes monitoring equipment and fused monitoring sensing;
- Application of remote sensing data and numerical modelling for rock slope stability prediction;
- Rockfall hazard and risk modelling;
- Application of artificial intelligence approaches to analyse large monitoring data sets for rock slope hazard assessment;
- Use of remote sensing techniques for the quantification of rockfall events;
- The integration of different remote sensing techniques for rock slope stability analyses

Guest Editors

Prof. Dr. Anna Giacomini

Prof. Dr. Riccardo Roncella

Dr. Klaus Thoeni

Deadline for manuscript submissions

closed (25 November 2024)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/127681

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

MDPI

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)