

Special Issue

Landslide Dynamics and Analysis: From the State of the Art to New Perspectives

Message from the Guest Editors

This Special Issue invites contributions focusing on innovative approaches to data acquisition, integration, and analysis. Particular attention is given to multidisciplinary, multi-temporal, and multi-platform studies employing characterising slope movements, as well as real-time, near-real-time, or deferred monitoring strategies, combining in situ measurements and remote sensing technologies. Case studies demonstrating practical applications of traditional and cutting-edge approaches to landslide dynamics are strongly encouraged, as is research addressing challenges such as big data management, exploiting machine learning techniques, and time-lapse investigations. The contributions can cover topics including, but are not limited to, the following:

- State-of-the-art methods for landslide detection, monitoring, and analysis;
- Advances in multidisciplinary approaches used to characterise landslide dynamics;
- Machine learning and time-lapse investigations for landslide big data management;
- Real-time landslide monitoring.

We look forward to receiving your original research articles and reviews.

Guest Editors

Dr. Matteo Del Soldato

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

Dr. Camilla Medici

Earth Science Department, University of Firenze, Via G. La Pira 4, 50121 Firenze, Italy

Deadline for manuscript submissions

closed (1 December 2025)



Geosciences

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 5.1



mdpi.com/si/224507

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

[mdpi.com/journal/
geosciences](https://mdpi.com/journal/geosciences)





Geosciences

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 5.1



[mdpi.com/journal/
geosciences](https://mdpi.com/journal/geosciences)



About the Journal

Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

Prof. Dr. Alberto G. Fairén

1. Centro de Astrobiología, CSIC-INTA, Madrid, Spain
2. Department of Astronomy, Cornell University, Ithaca, NY, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, ESCI (Web of Science), GeoRef, Astrophysics Data System, and other databases.

Journal Rank:

CiteScore - Q1 (General Earth and Planetary Sciences)