

Special Issue

New Insights in Avalanche and Snow Mechanics

Message from the Guest Editor

This Special Issue of *Geosciences* aims to gather high-quality original research articles, reviews, and technical notes on New Insights in Avalanche and Snow Mechanics. The importance of understanding the release mechanisms of both slab and wet snow avalanches is paramount. Climate change is leading us to deal with the unusual release and dynamics of snow avalanches, which are currently very different from those studied and modelled to date. This makes it more difficult to forecast their triggering and propagation based on the bizarre current weather conditions. An example is the research on snow gliding, analyzing its influence on soil (soil erosion and accumulation) and vice versa (dependence on snowpack properties, ground and soil parameters). Therefore, I invite you to submit articles about your recent work, experimental research, or case studies, including your new insights on avalanche and snow mechanics. I also encourage you to send me a short abstract outlining the purpose of the research and the principal results obtained, in order to verify at an early stage if the contribution you intend to submit fits with the objectives of the Special Issue.

Guest Editor

Dr. Barbara Frigo

Department of Structural, Geotechnical and Building Engineering,
Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Torino, Italy

Deadline for manuscript submissions

closed (30 September 2023)



Geosciences

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.4



mdpi.com/si/150871

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 2.3
CiteScore 4.4



[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 - Q2 (General Earth and Planetary Sciences)