



Mapping and Monitoring Glacial and Snow Changes through Remote Sensing

Guest Editors:

Prof. Dr. Livio Pinto

Politecnico di Milano,
Department of Civil and
Environmental Engineering
(DICA)—Geomatics and Geodesy
Section, Piazza Leonardo da
Vinci 32, 20133 Milan, Italy

Dr. Niccolò Dematteis

Research Institute for Geo-
Hydrological Protection, Italian
National Research Council,
Strada delle Cacce, 73, 10135
Torino, Italy

Francesco Ioli

Environmental and Infrastructure
Engineering, Department of Civil
and Environmental Engineering,
Politecnico di Milano, Italy

Deadline for manuscript
submissions:

25 September 2024

Message from the Guest Editors

Dear Colleagues,

We invite submissions that showcase innovative methodologies, techniques, and applications related to remote sensing analysis in the context of glacial and snow monitoring. We welcome research articles, reviews, and case studies that address the following topics:

- Remote sensing data acquisition and preprocessing techniques for glacial and snow change detection;
- The development and validation of algorithms and models for mapping and monitoring glacial retreat and snow cover variations;
- Integration of remote sensing data with in situ measurements or other geospatial information for comprehensive assessments of glacial and snow changes;
- Advances in multi-temporal monitoring of glacier's evolution, including (but not limited to) ice mass loss and volume, glacier extension, and glacier surface velocity variations, using remote sensing techniques;
- Applications of remote sensing for studying the impacts of climate change on glaciers and snowpacks;
- Evaluation of the effectiveness of remote sensing in supporting water resource management and climate adaptation strategies.





an Open Access Journal by MDPI

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

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.

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, St. Alban-Anlage 66
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)