

Special Issue

Mapping and Monitoring Glacial and Snow Changes through Remote Sensing

Message from the Guest Editors

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.

Guest Editors

Prof. Dr. Livio Pinto

Dr. Niccolò Dematteis

Francesco Ioli

Deadline for manuscript submissions

closed (15 March 2025)



Remote Sensing

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CiteScore 8.6



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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

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