Special Issue

Remote Sensing in Permafrost Region Monitoring

Message from the Guest Editors

This Special Issue focuses on the applications of Remote Sensing for research in permafrost and periglacial areas.

At present, permafrost is being affected by anthropogenic climate change with very varied implications for the environments in which it is found and even faraway areas. Remote sensing techniques can help find, measure and monitor permafrost, periglacial landforms and periglacial landscapes. The topics mainly include, but are not limited to, the following aspects:

Use of satellite imagery to track the changes in periglacial landforms; Use of satellite imagery to track the changes in snow coverage of periglacial environments; Combined aerial/satellite imagery applied to periglacial landforms; Unmanned Aerial Vehicle applications in periglacial landscapes; Structure from Motion techniques applied to periglacial areas; Airborne or terrestrial laser scanner in periglacial landscapes; Remote sensing of the thermal state of permafrost; Use of Artificial Intelligence over imagery to track and model snow and permafrost evolution; Ground penetrating techniques to find, measure and describe the permafrost layer and its evolution.

Guest Editors

Dr. Ramón Pellitero

Department of Geography and Environment, University of Aberdeen, Aberdeen AB24 3UF, Scotland, UK

Dr. Luis Miguel Tanarro García

Department of Geography, Geography and History School, University Complutense of Madrid, 28040 Madrid, Spain

Deadline for manuscript submissions

closed (31 March 2024)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/152609

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)