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Remote Sensing in Permafrost Region Monitoring

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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.

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Message from the Editorial Board

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.

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