



Remote Sensing of Permafrost Environment Dynamics

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Deadline for manuscript
submissions:

closed (31 December 2019)

Message from the Guest Editors

Dear Colleagues,

The thawing of permafrost due to global warming is an increasing problem and the consequences of the release of greenhouse gases, altered landscapes, and crumbling infrastructures due to unstable ground are already starting to cause devastating effects on ecosystems and communities living within these regions. The monitoring of these phenomena often requires the use of remote sensed (optical, thermal, and/or radar) data where access to a site of interest is often time consuming and costly. Furthermore, new sensor technologies with high spatial and temporal resolutions and advanced remote sensing data processing capacities create new opportunities for periglacial studies.

This Special Issue aims to present new and/or innovative methods/approaches/products to characterize the permafrost environment dynamics using remote sensing data. We welcome original manuscripts that use different remotely sensed data available from field to satellite-borne sensors for describing the characteristics and dynamics of permafrost environments. Submissions using multiple scales and time series data together with field observations and measurements are encouraged.





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Message from the Editorial Board

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