Special Issue

Application of Remote Sensing in Snow and Ice Monitoring

Message from the Guest Editors

Snow and ice are the most active environmental factors in the cryosphere. Due to their high reflectance, low thermal conductivity, and the snowmelt water effect, snow and ice play vital roles in the global energy balance, hydrological and ecological models, and climate change. Satellite remote sensing with large-scale synchronous observation has become an important tool for monitoring snow and ice changes. This Special Issue aims to present recent progress in remote sensing applications for snow and ice cover. It provides a forum for researchers to share their findings, methodologies, and insight. We welcome contributions on a variety of topics, including:

- Remote sensing algorithms for monitoring the key parameters of snow and ice cover using multi-sensors and multi-source data.
- Spatial and temporal changes in snow and ice cover from regional to global scales.
- Field measurements or experiences of snow and ice combining with remote sensing.
- Interdisciplinary research and perspectives on snow and ice cover combining remote sensing, meteorology, hydrology and ecology.
- Assessment of snow and ice applications related to human activities.

Guest Editors

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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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