

## Special Issue

# Remote Sensing of Ecosystems in Cold Regions

### Message from the Guest Editors

Cold regions (including high-latitude and high-elevation landscapes) and areas of permafrost and glacial ice cover are experiencing ecosystem changes caused by global warming. Remote sensing has become increasingly important for monitoring and understanding the patterns and mechanisms of change in cold region ecosystems where the frozen season is a significant constraint on eco-hydrological processes and functionings. Recent advances in remote sensing include the development of new sensors (multispectral, hyperspectral, thermal, microwave, SAR, and SIF), airborne platforms (UAVs), and big data analytics. These technologies provide many opportunities to quantify hydrological, ecological, and cryospheric variables with characterizing cold region ecosystems. The aim of this Special Issue is to collect state-of-the-art research in remote sensing technology and applications of cold region ecosystems. Studies using multi-scale and multi-component data (in-situ measurements, satellite observations, and modeling) are also welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2022)



## Remote Sensing

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*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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### Editors-in-Chief

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