Special Issue

Remote Sensing of Environmental Changes in Cold Regions

Message from the Guest Editors

Cold regions including the northern high latitudes, polar regions, and Tibetan Plateau are highly sensitive to global warming and are undergoing dramatic changes in ecological, hydrologic, and climatic processes. This Special Issue will host papers focusing on, but not limited to, the following topics:

- Long-term monitoring of the dynamic changes of glacier, snow cover, permafrost, water bodies, vegetation and carbon emissions using multi-year and multi-source remote sensing data;
- Applying emerging remote sensing techniques (e.g. SmallSat, UAV, lidar, GNSS and near-nadir SAR imaging techniques) for enhanced mapping of cold land biophysical/geophysical parameters;
- Investigating the use of current and future satellite missions such as SMAP, SMOS, SWOT, OCO3 and NISAR in monitoring eco-hydrological and cryospheric parameters;
- Interpreting remote sensing data based on cloud computation and machine learning techniques for cold region studies;
- Monitoring, modelling, understanding and forecasting the interactions among earth system cycles under changing climate.

Guest Editors

Dr. Youngwook Kim

Dr. Jinyang Du

Dr. Jennifer D. Watts

Dr. Hui Lu

Prof. Dr. Lingmei Jiang

Prof. Dr. Paolo Tarolli

Deadline for manuscript submissions

closed (30 June 2023)

Remote Sensing

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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

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