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 focuses on, but is not limited to, the following topics: (1) Long-term monitoring of the dynamic changes of air temperature, glacier, snow cover, permafrost, lake bodies and ponds, river systems, and vegetation. Integration of multi-year and multi-source remote sensing data is highly encouraged; (2) Applying emerging remote sensing techniques to the mapping of land surface parameters. We are interested in studies related to SmallSats and CubeSats, Unmanned Aerial Vehicle (UAV), GNSS, and near-nadir SAR and InSAR imaging; (3) Investigating the use of current and future satellite missions such as SMAP, SMOS, and SWOT in monitoring hydrological and cryospheric parameters; (4) Interpreting massive remote sensing data based on cloud computation and machine learning techniques for cold region studies.

Guest Editors

Dr. Jinyang Du Dr. Jennifer D. Watts Dr. Hui Lu Prof. Dr. Lingmei Jiang Prof. Dr. Paolo Tarolli

Deadline for manuscript submissions

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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 peerreview 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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