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

closed (31 July 2019)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/17403

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

mdpi.com/journal/remotesensing

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

MDPI

About the Journal

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.

Editors-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Prof. Dr. Dongdong Wang
Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank:

JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)