Special Issue

Application of Remote Sensing for Monitoring of Peatlands

Message from the Guest Editor

Peatlands represent one of the most important ecosystems on Earth, mainly because of their huge carbon storage capacity and high vulnerability to climate change. Unfortunately, the majority of peatlands worldwide have been degraded and they are still under high anthropogenic pressure. Peatlands regulate local hydrology, influence water quality and meso- and macro-climates, but they also play a major role in the conservation of biodiversity. Remote sensing is a powerful tool which can be used to monitor the regulatory functions of peatlands. Ground-, UAV-, airborne- or spaceborne-based RS approaches can be integrated with GHG flux towers and other ground-based monitoring datasets, while new remote sensing signals, new retrieval methods, sensors and modelling approaches can be applied in order to make the monitoring of peatland status more efficient and complementary. We are interested in high-quality submissions that use remote sensing to study the effects of weather and climate extremes and/or anthropogenic impact on any aspect of peatland functioning. Studies integrating remote sensing with ground-based monitoring data and modelling are particularly welcome.

Guest Editor

Prof. Dr. Radosław Juszczak
Department of Ecology and Environment Protection, Poznan University of Life Sciences, 60-637 Poznan, Poland

Deadline for manuscript submissions

closed (1 August 2023)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/74096

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

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)

MDPI