Special Issue

Remote Sensing of Land Water Bodies

Message from the Guest Editor

Today's remote sensing methods are becoming an integral part of monitoring various water areas, including both oceans and groundwater bodies (rivers, lakes, and reservoirs). The study of the hydrological regime of these objects is especially important for hard-to-reach water bodies, where in situ measurements are rarely or never performed. Active (synthetic aperture radar (SAR) and altimetry) and passive (microwave and infrared radiometry, spectrometry in the visible range) remote sensing data with high and ultra-high spatial resolution contain new information on the hydrological, hydrobiological, and other features of rivers, lakes, and reservoirs; the state of a basin's natural environment; and the degree of anthropogenic impact. These data enable the significant expansion of the range of tasks that can be solved and the rapid monitoring of the occurrence and development of hazardous situations either natural or human-made in nature. Satellite information can be effectively used to monitor coastal reshaping, the water level and volume of water bodies, and river runoff, and map the consequences of natural disasters (floods, landslides, etc.).

Guest Editor

Dr. Sergey Lebedev

1. Geophysical Center of the Russian Academy of Sciences, Bld. 3, Molodezhnaya St., 119296 Moscow, Russia
2. Department of Higher Mathematics No. 1, National Research University of Electronic Technology (MIET), Bld. 1, Shokin Square, Zelenograd, 124498 Moscow, Russia
3. Department of Physical Geography and Ecology, Faculty of Geography and Geoecology, Tver State University, Bld. 33, Zhelyabova St., 170100 Tver, Russia

Deadline for manuscript submissions

closed (1 December 2023)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/76662

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 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

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

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)