

Special Issue

Challenges and Perspectives of Remote Sensing Techniques for Water Resources Assessments and Solutions

Message from the Guest Editors

Today, water management decisions largely depend on instrumental observations, where remotely sensed information currently plays a major role. Given the inherent multidisciplinary characteristics of the water sector, we welcome contributions from both users of remote sensing products and developers of measurement methods, processing techniques and related field experiments. We welcome contributions about quantitative and qualitative observations of inland, coastal, and groundwater bodies, including the land-sea interface and coastal processes, with particular focus on all the aspects that support resource monitoring and decision-making. Articles may address, but are not limited to, the following topics:

- Remote sensing of rivers, lakes and reservoirs
- Remote sensing in the coastal zone
- New generation of hyperspectral sensors
- Detection of shoreline changes
- Remote sensing of hydraulic infrastructures
- Agricultural water and land use
- Groundwater assessment and aquifer storage estimation
- Monitoring natural resources over time
- Assessment of water bodies sustainability and their bathymetry
- Remote sensing in coastal structures management

Guest Editors

Dr. Andrea Scozzari

Dr. Mariano Bresciani

Prof. Dr. Abdelazim Negm

Deadline for manuscript submissions

closed (30 June 2024)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/170018

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

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)



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)