

Special Issue

Coastal Dynamics Monitoring Using Remote Sensing Data

Message from the Guest Editors

This Special Issue invites scholars in the field of coastal remote sensing to submit high-quality research results, which can be from various remote sensing devices such as multispectral remote sensing, lidar remote sensing, microwave radar remote sensing and thermal infrared remote sensing, as well as from various remote sensing platforms such as satellite, aerial, and UAV remote sensing. Remote sensing applications have enormous potential for exploring and studying the dynamic evolution processes and scientific mechanisms of coastal zones in different time scales, different spatial scales and different geographical areas. Articles should address issues including, but not limited to, the following: Coastal processes in erosional landscapes; Time series evolution of coastal zones; Coastal wetland habitat mapping; Shallow water topography monitoring or bathymetric mapping; Changes in mangroves, salt marshes, seagrasses, and tidal flats; Sediment dynamic processes on deltas, beaches, dunes, and barrier islands; New technology of satellite and drone remote sensing; Blue carbon monitoring and assessment; Contributions of remote sensing to coastal management; Multi-source remote sensing.

Guest Editors

Prof. Dr. Huaguo Zhang

Dr. Wenting Cao

Prof. Dr. Nurjannah Nurdin

Deadline for manuscript submissions

15 October 2025



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/220840

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)