

Special Issue

New Insights into the Application of Remote Sensing and GIS Technology for Monitoring Coastal Ecosystems

Message from the Guest Editor

The aim of this special issue is to explore the application of remote sensing and GIS for monitoring or mapping short or long-term changes in coastal ecosystems at various spatial scales. The stated aim relates to the following journal scope: biogeoscience remote sensing, multispectral and hyperspectral remote sensing, active and passive microwave remote sensing, lidar and laser scanning, change detection, image processing and pattern recognition, data fusion and data assimilation, spaceborne, airborne and terrestrial platforms and remote sensing applications. Submitted articles should focus on monitoring or mapping short or long-term changes in:

- Coastal wetlands, salt marshes, estuaries, and coastal forests
- Benthic ecosystems/habitats
- Benthic sediment composition and physical properties
- Shoreline topography/coastal erosion or accretion and bathymetry
- Physiochemical properties of coastal waters
- Damage and/or recovery of coastal ecosystems from anthropogenic and/or natural disturbance events
- Impacts of climate change
- River discharge, runoff events, terrigenous sediment input or turbidity in coastal waters

Guest Editor

Dr. Kurt McLaren

Department of Geography and Environmental Sciences, Northumbria University, Ellison Place, Newcastle-upon-Tyne NE1 8ST, UK

Deadline for manuscript submissions

closed (31 July 2024)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/117392

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)