

Special Issue

Coastal and Marine Monitoring and Restoration Mapping Using UAS and Remote Sensing Systems

Message from the Guest Editors

"...Coastal and marine monitoring and restoration mapping using UASs and remote sensing systems constitute a rapidly developing field, which can either complement or replace more traditional survey methodologies. The rapid, repeatable, adaptable, and successful monitoring of management initiatives and approaches is now achievable through these technologies and offers significant opportunities to improve our ability to monitor and map coastal and marine restoration at scale. This Special Issue will bring together a range of papers demonstrating the capacity of satellite-based remote sensing, uncrewed aircraft systems (UASs), and UAS-mounted sensors across a diverse range of coastal and marine monitoring and restoration mapping applications." Suggested themes and article types for submissions:

- Refined techniques for mapping coastal vegetated ecosystems (blue carbon).
- Supporting restoration success with UASs.
- Improving sensors for the high-resolution analysis of coastal systems and processes.

Guest Editors

Dr. Niall Burnside

Scottish Association for Marine Science, Oban PA37 1QA, UK

Dr. Jonathan Dale

Environmental Science Research Division, University of Reading, Whiteknights Campus, Reading RG6 6UR, UK

Dr. Matthew Brolly

Centre for Earth Observation Science, University of Brighton, Cockcroft Building, Brighton BN2 4GJ, UK

Deadline for manuscript submissions

29 August 2025



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/215471

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)