

Special Issue

Application of Remote Sensing Technology in Marine and Water Resources Observation

Message from the Guest Editors

We are pleased to invite you to contribute a paper to the Special Issue titled “Application of Remote Sensing Technology in Marine and Water Resources Observation”. Research areas may include (but are not limited to) the following:

- Remote sensing concepts and advanced sensors for the marine/ocean environment and water resources;
- Monitoring of marine/water litter and floating materials (such as sea ice, algal blooms, and oil-spill pollutions) achieved through the use of remote sensing methods;
- Monitoring of parameters affecting the sea surface, such as surface current, wind fields, wave height and so on;
- Innovative SAR concepts for optimal sensing of the marine and water environment;
- Change detection techniques for marine and inland water observation;
- PolSAR methods for maritime surveillance;
- InSAR techniques for coastline changes, and river subsidence;
- Applications in remote sensing for river water quality;
- Remote sensing of the ocean water color;
- Innovative applications using passive optical sensors in marine, coastal, and inland water environments;
- Maritime surveillance case studies, including navigation in ice-infested waters, vessel detection, and ship traffic.

Guest Editors

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Deadline for manuscript submissions

closed (25 March 2026)



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About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).