

Special Issue

Remote Sensing Applications in Marine Environmental Monitoring

Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Detection and biogeophysical property determination of marine litters and floating materials (such as sea ice, algal blooms, and spilled oil), through the use of remote sensing methods;
- PolSAR and InSAR methods for maritime surveillance, ocean waves, and sea state measurement;
- Remote sensing of the ocean water color;
- Maritime surveillance case studies such as oil-spill monitoring, navigation in sea-ice-infested waters, ship detection, and ship traffic;
- Mapping of the marine environment, including high-resolution wind fields, coastal wave fields, shoreline changes, upwelling phenomena, roll vortices, currents, fronts, gravity waves, internal waves, rain cells, salinity, and shallow-water bathymetry;
- Innovative SAR concepts for optimal sensing of the marine environment;
- Remote sensing concepts and advanced sensors for the marine/ocean environment.

We look forward to receiving your contributions.

Guest Editors

Dr. Virginia Zamparelli
Dr. Simona Verde
Dr. Pietro Mastro

Deadline for manuscript submissions

closed (30 September 2024)



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*Journal of Marine Science and
Engineering*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

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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

School of Engineering, The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

Author Benefits

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indexed with Scopus, SCIE (Web of Science), Ei Compendex, GeoRef, Inspec, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean Engineering)

Rapid Publication:

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).