

Special Issue

Maritime Transportation Safety and Risk Management

Message from the Guest Editors

The aim of this Special Issue, “Maritime Transportation Safety and Risk Management”, is to provide a common platform for academia and industry to engage in discussions by publishing high-quality original research papers, including, but not limited to, the following topics:

- Systematic, critical and bibliometric review in maritime safety and risk;
- Maritime transportation safety incidents, accidents, occurrences trends;
- Assessing the human error contribution to maritime occurrences using Bayesian networks;
- Risk-informed decision-making under uncertainty in the maritime domain;
- Advances in maritime and arctic safety and survival;
- Integration of AI-based decision support tools for maritime survival and emergency response;
- Artificial intelligence integration in maritime transportation safety;
- Maritime transportation accident learning systems: towards an AI-powered safety culture;
- Arctic maritime risk modelling under climate change scenarios;
- Cyber risk assessment framework for autonomous and digitized vessels;
- Quantifying organizational and cultural factors in maritime risk tolerance;
- Data-driven predictive models for maritime risk assessment.

Guest Editors

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Deadline for manuscript submissions

closed (1 June 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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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).