

Special Issue

Advances in Marine Mechanical and Structural Engineering—2nd Edition

Message from the Guest Editors

In the advanced design of novel structures used in marine, mechanical, and structural engineering, a pivotal challenge lies in predicting accurately their strength, amidst the integration of new materials and structures, within the context of extreme marine environments and potential accidents. This Special Issue aims to explore the advances in marine, mechanical, and structural engineering, as well as recent advanced design and analysis of materials and structures. We welcome mechanical analyses of advanced materials such as alloys and composite materials, and strength analyses of novel structures such as sandwich structures in ship superstructures and special structures in underwater vehicles, in order to ensure that marine structures remain lightweight, safe, and economical throughout their lifetimes. Potential topics include, but are not limited to: strength assessment of marine structures; mechanical analysis of structural materials; design and optimization of lightweight structures; impact strength of marine structures; ultimate strength analysis; fatigue and fracture assessment; vibration and noise; corrosion effect; steel and alloy structures; and composite structures.

Guest Editors

Prof. Dr. Chenfeng Li
Prof. Dr. Kun Liu
Prof. Dr. Bin Liu

Deadline for manuscript submissions

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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).