

Special Issue

Advances in Marine Mechanical and Structural Engineering

Message from the Guest Editors

In the design of modern ship and offshore structures, one of the key issues is the accurate prediction of strength considering some new materials and structures used in the structural design and under extreme sea environment and accidental states. This Special Issue aims to cover the advanced analysis of marine structures and recent advanced materials and structures used in the structural design and analysis of ship and offshore platforms. We welcome mechanical analyses of advanced materials, such as alloys and composite materials, and strength analyses of novel structures, such as sandwich structures and superstructures, in order to render marine structures lightweight, safe and economical throughout their lifetimes. Potential topics include, but are not limited to, the following: strength assessment of ship structures; mechanical analysis of shipbuilding materials; the design and optimization of lightweight structures; the impact strength of ship structures; the ultimate strength of plates, stiffened panels and hull girders; fatigue and fracture assessment of ship structures; vibration and noise; steel and titanium alloy structures; and composite structures.

Guest Editors

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Prof. Dr. Chenfeng Li

Deadline for manuscript submissions

closed (5 November 2023)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/176247

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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).