

Special Issue

Safety and Reliability of Ship and Ocean Engineering Structures

Message from the Guest Editors

As our global reliance on maritime transportation continues to grow, the imperative to develop robust and resilient structures becomes increasingly vital. The studies featured in this Special Issue span a spectrum of disciplines, from naval architecture and marine engineering to materials science and structural analysis. The topics of this Special Issue include, but are not limited to: Resistance improvement of maritime structures to risks and reliability; Material selection on the safety of structures in extreme marine environments; Seismic performance assessment of ships and ocean engineering structures; Corrosion and fatigue influence of marine structures over long-term use; Application of new materials, such as composite materials, in marine engineering structures; Integration of smart sensors and monitoring systems for the real-time monitoring of marine structures; Modern autonomous navigation technology; Digital technology and data analysis system to assist maintenance plans for marine structures.

Guest Editors

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Deadline for manuscript submissions

closed (30 May 2025)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/191725

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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.

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