



Safety and Reliability of Ship and Ocean Engineering Structures

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Deadline for manuscript
submissions:

15 October 2024

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.





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Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (JMSE; ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

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