

Special Issue

Fatigue, Failure and Integrity of Marine Vessels and Marine Structures

Message from the Guest Editor

In the modern world, Naval architects work tirelessly in collaboration with various scientists and engineers to meet marine transportation demands by innovating energy-efficient, cost-effective, but large carrying capacity ships while keeping the emissions level low. High structural and operational reliabilities and low maintenance are paramount in achieving the ship's design goals. This Special Issue thus covers research topics related to the design and analysis of new and existing marine vessels and structures. All theoretical, analytical, numerical, and experimental research, review papers, and case studies of engineering applications are warmly invited. We encourage submissions in, but not limited to, the following areas:

- Material properties and microstructural mechanisms of marine structures;
- Modeling and simulation of marine structural fatigue and fracture mechanics;
- Corrosion protection and monitoring techniques under ocean environment;
- Structural response analysis under extreme loads and environmental conditions;
- Safety assessment and risk quantification methodologies for marine structures.

Guest Editor

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Deadline for manuscript submissions

closed (1 January 2025)



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About the Journal

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.

Editor-in-Chief

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indexed with Scopus, SCIE (Web of Science), GeoRef, Inspec, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Marine) / CiteScore - Q2 (Civil and Structural Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2024).