

## 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.

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### Guest Editor

Dr. Md Jahir Rizvi

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### Deadline for manuscript submissions

closed (1 January 2025)



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
CiteScore 5.0



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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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi  
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JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean  
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