

## Special Issue

# Ship Structural Design and Analysis

### Message from the Guest Editor

In the modern world, naval architects are working tirelessly in collaboration with various scientists and engineers to meet marine transportation demands through the innovation of energy-efficient, cost-effective but large-carrying-capacity ships while keeping emissions low. High structural and operational reliability and low maintenance are paramount in achieving the ship design goals. This Special Issue thus covers research topics related to the design and analysis of new and existing marine vessels and marine structures. All theoretical, analytical, numerical, and experimental research, as well as review papers and case studies of engineering applications, are welcome.

- structural design and analysis
- mooring system analysis
- local strength analysis
- hydroelastic analysis
- structural health monitoring and conditions assessment
- reliability and risk analysis
- fluid–structure interactions
- structure–soil interactions
- transportation and installation analysis of ship structures
- fire and explosion analysis
- fatigue and fracture analysis
- life cycle assessment and recycling

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### Guest Editor

Dr. Md Jahir Rizvi

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### Deadline for manuscript submissions

closed (1 March 2026)



## Journal of Marine Science and Engineering

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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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### Author Benefits

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

#### Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean Engineering)

#### 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).