

Special Issue

Strength of Ship Structures

Message from the Guest Editors

In this Special Issue, we aim to focus on the state of the art in the numerical, analytical, and experimental methods for reliable and economical assessment of strength of ship structures. Case studies for the novel engineering applications and review papers are welcome. A quick review process and open access publication will be provided for papers of high standard. This Special Issue covers the following topics:

- Structural response of ship hull under dynamic and quasistatic conditions.
- Design and optimization of ship structures.
- Grounding and crashworthiness of ship structures.
- Buckling and ultimate strength of plates and stiffened panels.
- Springing and whipping of ship hull girder
- Fatigue and crack modelling of welded structures.
- Uncertainty and reliability modelling.
- Noise and vibration.
- Corrosion of ship structural parts.
- Structural health monitoring.
- Composite design of ships.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2023)



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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

High Visibility:

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

Journal Rank:

JCR - Q2 (Oceanography) / CiteScore - Q1 (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).