

# 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.

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### Guest Editors

Dr. Murat Ozdemir

Prof. Dr. Selda Oterkus

Prof. Dr. Erkan Oterkus

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### Deadline for manuscript submissions

closed (31 January 2023)



## Journal of Marine Science and Engineering

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an Open Access Journal  
by MDPI

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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  
School of Engineering, The UWA Oceans Institute, The University of  
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#### Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean  
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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 15.6 days after  
submission; acceptance to publication is undertaken in 1.9  
days (median values for papers published in this journal in  
the first half of 2025).