

## Special Issue

# Advanced Techniques for Design and Manufacturing in Marine Engineering

### Message from the Guest Editors

Dear colleagues, Modern engineering design processes are driven by an extensive use of numerical simulations, and naval architecture and ocean engineering are no exception. Since computational power has been improved over the last few decades, the integration of different tools such as CAD, FEM, CFD, and CAM allows complex modeling and manufacturing problems to be solved in a more feasible way. Classical naval design methodology can take advantage of this integration, giving rise to a more robust design in terms of shape, structural and hydrodynamic performances, and manufacturing process. This Special Issue aims to invite researchers and engineers from both academia and industry to publish the latest progress of design and manufacturing techniques in marine engineering and to debate about current issues and future perspectives in this research area.

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### Guest Editors

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### Deadline for manuscript submissions

closed (12 October 2021)



## 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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*Journal of Marine Science and Engineering*

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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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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 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).