

Special Issue

Design Optimisation in Marine Engineering

Message from the Guest Editors

This Special Issue aims to analyse the current situation, highlight the challenges, and explore the horizon of opportunities that SBDO presents for marine engineering. Thus, we are pleased to invite you to submit original research articles and reviews belonging to the field of SBDO used for marine engineering applications. Research areas may include (but are not limited to) the following:

- SBDO in ship hull design to reduce drag and enhance fuel efficiency;
- SBDO for the design of marine propulsion systems (e.g., engines, propellers, shafts, rudders);
- SBDO for the development and optimisation of marine energy production systems (e.g., tidal, wave energy converters);
- SBDO used to enhance the safety and reliability of offshore structures;
- Advancements of SBDO in marine engineering (e.g., integration of machine learning algorithms, incorporation of real-time data analytics, coupling with artificial intelligence).

Guest Editors

Dr. Giada Kyaw Oo D'Amore

Department of Engineering and Architecture, University of Trieste,
34127 Trieste, Italy

Dr. Francesco Mauro

Department of Engineering and Architecture, University of Trieste,
34127 Trieste, Italy

Deadline for manuscript submissions

5 January 2026



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/230460

*Journal of Marine Science and
Engineering*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

[mdpi.com/journal/
jmse](https://mdpi.com/journal/jmse)





Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



[mdpi.com/journal/
jmse](https://mdpi.com/journal/jmse)



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.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
School of Engineering, The UWA Oceans Institute, The University of
Western Australia, Perth, WA 6009, Australia

Author Benefits

High Visibility:

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).