

Special Issue

Advanced Ship Technology Development and Design

Message from the Guest Editors

This Special Issue aims to explore ground-breaking advancements in maritime technologies, with a primary focus on key themes such as sustainable ship technology, cutting-edge ship design, digital twin technology, shipyard production innovations, and the end-of-life treatment of vessels. Advancements in ship design extend beyond traditional methods and now integrate state-of-the-art principles in hydrodynamics, materials science, and structural engineering. The incorporation of digital twin technology emerges as a pivotal facilitator, offering a virtual replica of physical assets throughout their lifecycle. This Special Issue explores the latest methodologies employed in ship construction and reveals how technological advancements streamline production, reduce costs, and enhance overall productivity. Additionally, we also discuss environmentally friendly strategies for ship recycling, waste management, and the repurposing of materials, with the aim of minimizing the carbon footprint of maritime activities.

Guest Editors

Dr. Haibin Wang

Dr. Han Yuan

Dr. Christos I. Papadopoulos

Deadline for manuscript submissions

closed (30 March 2025)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/199858

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





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).