

Special Issue

Computational Fluid Dynamics and Acoustic Design Methods for Ship

Message from the Guest Editors

This Special Issue is dedicated to "Computational Fluid Dynamics and Acoustic Design Methods for Ship", aiming to consolidate and showcase the latest advancements and innovative applications of computational fluid dynamics and structural acoustics technology for addressing problems within the field of marine science and engineering. The topics of interest for publication include, but are not limited to, the optimization design of ships and propellers, ship-propeller interactions, combined wind and wave load-induced complex effects on ships, cavitation in marine propellers, coastal erosion due to wave action and harbor resonance induced by waves, numerical methods for ship structural vibration and sound radiation, the acoustic optimization design of ship structures, and innovative methods for vibration and noise reduction in ships. We invite you to submit original research papers, review articles, or case studies related to the above topics. We anticipate that your submissions will advance our collective knowledge of marine science and engineering and provide solutions to practical engineering problems.

Guest Editors

Prof. Dr. Binxin Wu

1. College of Biosystems Engineering and Food Science, Zhejiang University, Hangzhou, China
2. School of Naval Architecture and Intelligent Manufacture, Jiangsu Maritime Institute, Nanjing, China

Prof. Dr. Huabing Wen

1. School of Naval Architecture and Intelligent Manufacture, Jiangsu Maritime Institute, Nanjing, China
2. School of Energy and Power, Jiangsu University of Science and Technology, Zhenjiang 212100, China

Deadline for manuscript submissions

closed (20 November 2025)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/212118

*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).