

## 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.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 November 2025)



## Journal of Marine Science and Engineering

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by MDPI

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Impact Factor 2.8  
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## About the Journal

### Message from the Editor-in-Chief

*Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312)* focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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