

## Special Issue

# CFD Applications in Ship and Offshore Hydrodynamics (2nd Edition)

### Message from the Guest Editors

Computational fluid dynamics (CFD) methods are becoming an increasingly reliable and indispensable tool in the field of ship and offshore hydrodynamics, playing a key role in advancing their design, analysis, and optimization. The ability of CFD to simulate complex fluid flows offers a significant advantage over traditional experimental methods. While physical experiments often require expensive facilities and long preparation times, CFD provides a faster and more cost-effective alternative. Through parametric studies and optimization techniques, CFD can help identify robust, efficient, and economically viable solutions for both new designs and retrofits. Given the growing emphasis on environmental sustainability, CFD's ability to assess the hydrodynamic performance of ships and offshore structures under various operating conditions is essential for minimizing fuel consumption, reducing greenhouse gas emissions, and ensuring compliance with increasingly stringent environmental regulations.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 February 2026)



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
CiteScore 5.0



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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

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