

## Special Issue

# Computational Fluid Dynamics Simulation of Floating Offshore Structures—2nd Edition

### Message from the Guest Editors

Computational fluid dynamics (CFD) uses numerical analysis and data structures to analyze and solve problems involving fluid flows. CFD is gaining popularity in ocean engineering as a result of the availability of ever-increasing computational power. This Special Issue covers the entire range of issues and technologies related to floating offshore structures (floating and fixed offshore platforms, offshore infrastructures, etc.), with a strong emphasis on CFD simulation technology. We seek contributions spanning a broad range of topics related (but not limited) to the following:

- Hydrodynamics;
- Computational fluid dynamics;
- Vortex-induced vibrations;
- Fluid–structure interactions;
- Linear and nonlinear wave mechanics;
- Buoyancy and stability;
- Ship resistance and propulsion;
- Ship maneuvering and radiated noise.
- Water and environment.

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### Guest Editors

Dr. Bin Xu

Dr. Yanmei Jiao

Dr. Xi Shen

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### Deadline for manuscript submissions

closed (10 October 2024)



## 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

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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

School of Engineering and The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

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### 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).