

## Special Issue

# Advances in Marine Computational Fluid Dynamics and Wave Studies

### Message from the Guest Editor

In the world of advancing computer technology, Computational Fluid Dynamics (CFD) has become an attractive tool for gaining valuable insight into hydrodynamic characteristics. Over the last few decades, the CFD for marine engineering applications has been rapidly gaining popularity. The Special Issue covers the further research of CFD applications and developments in marine environments. We are pleased to inform researchers in the fluid mechanics and water-wave communities that we are launching a high-impact Special Issue regarding the advanced topic Advances in Marine Computational Fluid Dynamics and Wave Studies. At present, the research of this topic is very important in science, engineering and technology. The topics covered by this Special Issue include but are not limited to: applications of CFD on naval architecture, ocean, marine engineering, CFD-combined method on multiphase flows and applications of novel computational methods on CFD, or other relevant topics. Keywords: two-phase flows; unsteady flows; fluid–solid interaction; mesh-free methods; fast multipole expansion method; novel numerical method; fluid/structure interaction

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### Guest Editor

Dr. Kue-Hong Chen

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### Deadline for manuscript submissions

closed (25 March 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  
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