

Special Issue

Computational Fluid Mechanics

Message from the Guest Editors

Ocean flows and their interactions with marine structures, vehicles, etc. are of great importance for research in marine science and technology. Revealing their mechanisms inevitably involves fluid mechanics. Computational fluid mechanics (CFD) techniques are developing to a higher level today with the flourishing of computer science. CFD is able to predict ocean flow details and hydrodynamic interactions with increasing accuracy. This Special Issue will collect papers on cutting-edge developments in CFD in the area of marine science and technology. CFD methods including novel numerical algorithms, advanced treatments of solving procedures, parallel acceleration techniques, and the utilization of CFD for fluid–structure interaction, wave modeling, ship dynamics, etc. are all welcomed.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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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).