Special Issue

Numerical Modeling of Fluid-Structure Interactions in Ocean Engineering

Message from the Guest Editor

This Special Issue focuses on the numerical modeling of fluid–structure interactions related to ships and stationary structures subjected to hydrodynamic loads. Examples are seakeeping, maneuvering and added resistance of ships, marine operations, VIV of slender structures and wave- and current-induced loads, and motions of floating and bottom-fixed structures. Numerical modeling and analysis using boundary methods or field methods are relevant. We invite researchers from both academia and industry to submit original articles that advance the state of the art within the numerical modeling of fluid–structure interactions, or review the progress and future directions of research in this field.

Guest Editor

Dr. Ole Andreas Hermundstad
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Deadline for manuscript submissions

closed (1 October 2025)

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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.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
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