

Special Issue

Numerical Simulation of Fluid-Structure Interactions by CFD (2nd Edition)

Message from the Guest Editor

In recent years, the study of fluid–structure interactions (FSIs) has received increasing attention in various engineering fields, including ocean engineering. The interaction between ocean waves and offshore or coastal structures is one of the most critical FSI problems in this field. Numerical simulation has become a powerful and cost-effective tool for investigating ocean fluid–structure interaction (OFSI) problems. Simulations of wave motion, wave-induced flow velocity fields, energy transport and the stresses exerted on fixed or floating structures are the basis of the design and verification of engineering works such as offshore oil platforms, wave energy converters, floating dams and coastal defense structures.

Guest Editor

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Deadline for manuscript submissions

15 January 2026



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/209637

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Engineering*
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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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