Special Issue

Theoretical, Numerical and Experimental Advances in the Hydrodynamics of Ocean Engineering

Message from the Guest Editors

Ocean engineering (marine and offshore renewable energy conversion, naval architecture, etc.) involves various complicated physical and multifield coupling effects. The hydrodynamics of ocean engineering includes but is not limited to fluid–structure interaction, convection diffusion, energy transformation, sediment transportation, seafloor morphological changes, hydrodynamical environmental impact of marine structures, and survivability under extremes. This Special Issue aims to highlight all recent theoretical, numerical, and experimental advances in the hydrodynamics of ocean engineering. Both original and review articles are welcomed, including but not limited to the following potential topics: marine and offshore renewable energy, naval architecture, oil spill/chemical accident simulation, water quality simulation, sediment transportation and morphology changes, integrated water environment and ecological dynamics simulation, and survivability of structures under an extreme ocean environment. We also encourage contributions outlining the applications of novel techniques that provide important information on this topic.

Guest Editors

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Deadline for manuscript submissions

closed (20 December 2021)

Journal of Marine Science and Engineering

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.0

mdpi.com/si/89977

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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

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