

Special Issue

Hydrodynamic Circulation Modelling in the Marine Environment

Message from the Guest Editors

Modelling the hydrodynamic circulation in the marine environment is one of the most challenging topics in the marine sciences. We are pleased to invite you to share your research in the Special Issue “Hydrodynamic Circulation Modelling in the Marine Environment”. This Special Issue aims to explore the recent advances in hydrodynamic numerical modelling and discuss how these contribute to the existing knowledge of the ocean dynamics covering small- and large-scale processes. Coupling techniques between hydrodynamic modelling and biochemical and atmospheric models, and advanced parameterization techniques are critical to improve the performance of the numerical simulations and enhance transboundary scientific knowledge. The Special Issue scope is to publish articles that illustrate the hydrodynamic circulation modelling capabilities to reproduce realistic conditions and advance our knowledge of the mechanisms that control ocean and coastal dynamics, as well as marine water quality. In this Special Issue, original research articles and reviews are welcome. We look forward to receiving your contributions.

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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