

Special Issue

Advances in Modelling Coastal and Ocean Dynamics

Message from the Guest Editors

Special Issue "Advances in Modelling Coastal and Ocean Dynamics" focuses on recent progress in numerical, analytical, and data-driven modelling of complex physical processes. It highlights innovative methods for simulating currents, waves, sediment transport, and water quality, and the integration of models with field and remote sensing data. This issue explores model development, calibration, and the coupling of hydrodynamics with ecological and biogeochemical processes. It addresses pressing challenges like coastal erosion, flooding, pollution, and climate impacts. By showcasing interdisciplinary research and case studies, it provides valuable insights for scientists, engineers, and policymakers to advance the sustainable management of marine and coastal resources.

Guest Editors

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Dr. Carina Lurdes Lopes

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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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Journal Rank:

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