

Special Issue

Numerical Investigation of Wave-Structure Interaction

Message from the Guest Editor

Harbours and costal defence structures are directly subjected to wave action and, in turn, significantly affect wave propagation in coastal areas. Recently, numerical models have become essential tools for predicting the effect produced by emerged or submerged coastal structures on wave motion, wave-induced nearshore currents, or coastal sediment transport. This Special Issue encourages research papers on the numerical modelling of all aspects of the wave-structure interaction, including the simulation of the modifications produced by costal structures on wave motion, nearshore currents velocity fields, suspended sediment concentration, or the morphological evolution of the seabed in coastal areas. This Special Issue is open to contributions regarding both innovative numerical models and engineering case studies. All numerical investigations carried out by numerical models based on depth-averaged motion equations as well as two-dimensional or three-dimensional ones are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (10 January 2021)



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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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Western Australia, Perth, WA 6009, Australia

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