Journal of
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Numerical Investigation of Wave-Structure Interaction

Guest Editor:

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Deadline for manuscript submissions:
closed (10 January 2021)

Message from the Guest Editor

Dear Colleagues,

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.

Prof. Giovanni Cannata
Guest Editor

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Message from the Editor-in-Chief

Journal of Marine Science and Engineering (*JMSE*, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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