

Special Issue

Storm Surge Hazards Evaluation and Prediction

Message from the Guest Editor

The purpose of this invited Special Issue is to publish the most exciting research concerning the state-of-the-art in our understanding and modeling coastal hazards due to storm surge, flooding, and erosion processes, as well as their impact throughout the coastal areas. Contributions are encouraged in topics including the following: Coastal models development and validation; Tropical and extra-tropical storm surge modeling; Statistical sea hazard forecasting; Erosion process and sediment budget modeling; Surrogate modeling; Coupled hydrologic and hydrodynamic models; Simplified methods for the hydraulic risk evaluation; Storm surge, waves and extreme water levels forecast challenges; Novel design criteria for sea defences; Nature-based solutions; Structural and non-structural measures for sea hazard reduction; Effects of climate change on coastal environments.

Guest Editor

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Deadline for manuscript submissions

closed (1 August 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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