

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

Prof. Dr. Riccardo Mel

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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

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.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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indexed with Scopus, SCIE (Web of Science), Ei Compendex, GeoRef, Inspec, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q1 (Ocean Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).