

Special Issue

Storm Tide and Wave Simulations and Assessment, 3rd Edition

Message from the Guest Editors

Today's increasingly frequent extreme weather events, storm tides, surges, and waves caused by typhoons, tropical cyclones, and hurricanes pose significant threats to coastal areas, nearshore waters, and navigation safety. Thus, the accurate prediction of these phenomena and the associated coastal erosion is crucial for minimizing loss of life and property and mitigating coastal disasters. While numerous studies have been conducted over the past decade on predicting and forecasting typhoon-driven storm tides, surges, waves, and morphological changes using numerical models, there is a growing need for innovative techniques to accurately address the complex physical processes involved. To advance our simulation and analytical capabilities and deepen our understanding of storm tides, surges, and waves, this 3rd edition Special Issue aims to gather the latest research on modeling and analyzing these phenomena using dynamic and statistical models and artificial intelligence approaches. We urgently welcome submissions of research articles and reviews focusing on model development, application, or big data analysis.

Guest Editors

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Deadline for manuscript submissions

closed (5 May 2026)



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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

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