

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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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

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