Special Issue

Development and Application of Storm Tide and Wave Models

Message from the Guest Editors

This Special Issue aims to compile the latest research in storm tide and wave modeling using new or existing dynamic and statistical models and artificial intelligence methods. We welcome articles focused on the development and validation of new models or application of existing models to hindcasts of historical events. Examples of topics include but are not limited to:

- Artificial intelligence for storm surge, tide, and wave prediction/forecast;
- Statistical modeling;
- Improved physics and numerical methods for dynamic models;
- Computationally fast models;
- Effects of wave–current interactions on storm tide and wave;
- Coastal flooding due to storm tide and wave overtopping/runup, and their interactions with river flow;
- High-resolution and three-dimensional modeling;
- Model coupling.

We look forward to receiving contributions to this Special Issue in the form of research articles and reviews.

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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