

Special Issue

Storm Tide and Wave Simulations and Assessment II

Message from the Guest Editors

In order to improve our simulating and analytic capabilities and understanding of storm tides, surges, and waves, this Special Issue is intended to collect the latest studies on storm tides, surges, and waves modeling and analysis utilizing dynamic and statistical models and artificial intelligence approaches. Research focusing on model development or model application is welcome. We look forward to receiving contributions in the form of research articles and reviews for this Special Issue. Topics include but are not limited to the following:

- Numerical modeling for storm surge, tide, and wave hindcast/prediction/forecast;
- Statistical analysis for storm surge, tide, and wave hindcast/prediction/forecast;
- Artificial intelligence techniques for storm surge, tide, and wave prediction/forecast;
- Assessment of coastal and marine hazard due to storm surges, tides, and waves;
- Influence of nonlinear interactions on storm tide and wave simulation;
- Effect of meteorological conditions on storm tide and wave simulation;
- High-resolution modeling;
- Coastal morphology evolution.

Guest Editors

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Dr. Wei-Bo Chen

Deadline for manuscript submissions

closed (30 November 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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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).