

## Special Issue

# Advances in Storm Tide and Wave Simulations and Assessment

### Message from the Guest Editors

Storm surges and waves pose significant risks to coastal areas, increasingly exacerbated by climate change and sea-level rise. The accurate simulation and assessment of these phenomena are essential for understanding their impacts on coastal infrastructure and communities. This Special Issue seeks to highlight advancements in storm tide and wave simulations, including new modeling techniques, data assimilation strategies, and observational methods. We aim to improve the understanding of these phenomena under current and future climate scenarios and promote innovative approaches to risk reduction and adaptation. We encourage submissions that focus on the development of new numerical models, integration of novel data sources, and advanced forecasting techniques using artificial intelligence and machine learning. We invite original research, reviews, and case studies that advance knowledge in storm tide and wave simulations and assessments, particularly those enhancing prediction accuracy, understanding physical mechanisms, and proposing innovative risk management solutions.

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### Guest Editors

Dr. Wei-Che Huang  
Prof. Dr. Wen Cheng Liu  
Dr. Chih-Chieh Young

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### Deadline for manuscript submissions

closed (25 February 2026)



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
CiteScore 5.6



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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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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#### 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).