

# 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

Dr. Shih-Chun Hsiao  
Dr. Wen-Son Chiang  
Dr. Wei-Bo Chen

### Deadline for manuscript submissions

closed (30 November 2021)



## Journal of Marine Science and Engineering

an Open Access Journal  
by MDPI

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/70657](https://mdpi.com/si/70657)

*Journal of Marine Science and Engineering*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jmse@mdpi.com](mailto:jmse@mdpi.com)

[mdpi.com/journal/jmse](https://mdpi.com/journal/jmse)





# Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/journal/  
jmse](https://mdpi.com/journal/jmse)



## 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

Prof. Dr. Charitha Pattiaratchi  
School of Engineering, The UWA Oceans Institute, The University of  
Western Australia, Perth, WA 6009, Australia

---

### Author Benefits

#### High Visibility:

indexed with Scopus, SCIE (Web of Science), Ei  
Compendex, GeoRef, Inspec, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean  
Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 15.6 days after  
submission; acceptance to publication is undertaken in 1.9  
days (median values for papers published in this journal in  
the first half of 2025).