

## Special Issue

# Coastal Risk Prediction, Prevention and Management

### Message from the Guest Editor

Coastal areas have been attractive settling grounds for the human population as they provided abundant marine resources, fertile agricultural land, and possibilities for trade and transport since early civilization. These advantages have led to high population densities and high levels of development in many coastal areas, and this trend is continuing into the 21st century. At present, about 1.2 billion people live in coastal areas globally, and this number is predicted to increase to 1.8–5.2 billion by the 2080s due to a combination of population growth and coastal migration. Along with this increase follows significant investments in infrastructure and the built environment. Coastal hazard management has become an increasingly important aspect of coastal planning to improve society's resilience to coastal hazards. Possible management options include complicated engineering structures, soft protection measures, various accommodation approaches, and a managed retreat from the coastline. It is also important to address coastal risks by early warning systems and emergency management plans to handle sudden and potential disastrous hazards, i.e., major flooding events.

---

### Guest Editor

Dr. Wei-Bo Chen

National Science and Technology Center for Disaster Reduction, New Taipei, Taiwan

---

### Deadline for manuscript submissions

closed (20 February 2023)



## Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/109359](https://mdpi.com/si/109359)

*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/](https://mdpi.com/journal/)

[jmse](https://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

*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

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 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).