

## Special Issue

# Monitoring and Modelling of Coastal Environment

### Message from the Guest Editor

The coastal zone is under continuous anthropogenic pressures, because it includes the largest percentage of the world population and economy. Moreover, coastal areas are also under high environmental risk due to severe meteorological and oceanic conditions. The potential damages to infrastructure, cost in lives, and ecological impacts increase the need for accurate operational platforms to both monitor and forecast the coastal ocean dynamics. The pollution risks due to industry, urban environment, agriculture, oil drilling, and shipping also require the development of state-of-the-art techniques to measure and simulate the coastal environment to monitor its quality, develop the most appropriate measures in case of an accident (e.g., oil spills), and improve long-term design and management. The meteorological and river inputs in the ocean are significant factors that have to be cautiously included in both observational and modeling efforts. The coastal ocean is not only an economic source due to naval transportation, fisheries, and tourism but also due to the energy that can be produced under the exploration of ocean movements (e.g., waves, currents, sea level).

---

### Guest Editor

Prof. Dr. Yannis N. Krestenitis

Oceanography & Coastal Engineering Group, Department of Hydraulics & Environmental Engineering, School of Civil Engineering, Aristotle University of Thessaloniki, GR 54124 Thessaloniki, Greece

---

### Deadline for manuscript submissions

closed (20 December 2021)



## Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/40637](https://mdpi.com/si/40637)

*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://www.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

*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).