

## Special Issue

# Numerical Analysis and Monitoring Techniques of Offshore and Coastal Structures and the Marine Environment

### Message from the Guest Editor

Analysis and design of coastal and offshore structures is an equally demanding and challenging task. Accuracy of the calculated responses is required at a maximum level, while computational cost is very important especially when we approach the design phase and a big number of analysis cycle iterations for a large number of operational and extreme environmental conditions needs to be performed. At the same time and in a growing rate, monitoring technologies are used for both structural health as well as marine environment process observations. In this context, this Special Issue invites original scientific contributions on topics related to numerical analysis methods and tools of offshore and coastal structures covering the broad spectrum of related analysis, monitoring technologies, and/or response diagnosis of offshore and coastal structures, monitoring technologies of marine environmental characteristics, integration and update of numerical predictions with monitoring data, real-time predictions and/or forecasting in the marine environment, and digitalization of data for offshore and coastal structures.

### Guest Editor

Dr. Constantine Michailides

Department of Civil Engineering, International Hellenic University (IHU),  
Thessaloniki, Greece

### Deadline for manuscript submissions

closed (20 November 2021)



## Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0

---



[mdpi.com/si/72122](https://mdpi.com/si/72122)

*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

Oceans Graduate School and 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).