

## Special Issue

# Marine Renewable Energy and the Transition to a Low Carbon Future 2nd Edition

### Message from the Guest Editor

As we all know, marine renewable energy (MRE) is abundant, and there are large spaces in both offshore and coastal environments that can be considered for harvesting different kinds of energy. The technologies currently associated with marine renewable energy extraction are very significant for achieving the expected targets in energy efficiency and environmental protection. Research into offshore wind has experienced outstanding success in the last decade, and advances are also expected for other MRE technologies. On the other hand, there are still important challenges related to the implementation of cost-effective technologies that could survive in the harsh marine environment.

We strongly encourage papers providing innovative technical developments, reviews, case studies, and analytics, as well as assessments and manuscripts targeting different disciplines that are relevant to harvesting ocean energy and to the associated advances and challenges. Expected climate change effects in ocean or coastal environments are also topics of high interest for this Special Issue.

---

### Guest Editor

Prof. Dr. Eugen Rusu

1. National Institute for Research and Development in Environmental Protection, 060031 Bucharest, Romania
2. CENTEC—Centre for Marine Technology and Ocean Engineering, University of Lisbon, Lisbon, Portugal

---

### Deadline for manuscript submissions

closed (31 July 2025)



## Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/201025](https://mdpi.com/si/201025)

*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).