

## Special Issue

# Recent Advances in Wave Energy Resource Assessment

### Message from the Guest Editors

Accurate wave energy resource assessments are fundamental to support the development of the wave energy sector, and thus provide valuable information to secure the key steps of a wave energy project and guarantee capital investment and economic return. Numerous resource assessments are therefore conducted to optimize the location, design, and selection of wave energy converters. This Special Issue aims to highlight and promote wave energy resource assessments based on the latest original approaches. Thus, we particularly encourage recent investigations with improved numerical simulations, machine-learning techniques and observations, as well as advanced analyses and interpretations discussing uncertainties and biases, data assimilation, sustainability of resources, expected performances of energy converters, potential environmental impacts of energy extraction, future wave-climate projections, new criteria, novel energy metrics, or selection indices.

---

### Guest Editors

Dr. Nicolas Guillou

Dr. Bahareh Kamranzad

Dr. George Lavidas

---

### Deadline for manuscript submissions

closed (30 November 2022)



## Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/94872](https://mdpi.com/si/94872)

*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).