

# Special Issue

## Zero Emission Shipping

### Message from the Guest Editor

Full electric propulsion, due to its unique potential regarding the absence of emissions, is of great interest when low noise and reduced environmental impact are demanded. Such specific features are most important and, in some cases, mandatory for passenger ships and small craft operating in sheltered and protected waters. Full zero emission behavior is generally connected to strong limitations in performance and range, mainly due to technical limitations and the high cost of onboard energy storage, but research and development in the field is very active and new challenging targets are within sight. Full electric propulsion can be achieved only through a concurrent design approach based on low drag hull design and full exploitation of the latest advances in electric propulsion and onboard energy storage. For this Special Issue, we would like to collect papers detailing the most recent progress in this topic. We encourage you to submit your findings and contribute to making this Special Issue a success.

---

### Guest Editor

Prof. Dr. Carlo Francesco Mario Bertorello

Department of Industrial Engineering, University of Naples Federico II,  
80125 Napoli, Italy

---

### Deadline for manuscript submissions

closed (5 August 2021)



## Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/61296](https://mdpi.com/si/61296)

*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://mdpi.com/journal/)





# 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  
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 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).