

## Special Issue

# Maritime Efficiency and Energy Transition

### Message from the Guest Editor

A reduction in energy consumption and improvements in maritime efficiency have constituted an active field of study and interest since the adoption of the Energy Efficiency Design Index (EEDI) by the International Maritime Organization (IMO) in 2013. Specifically, the EEDI establishes that newly built ships must comply with a level of energy efficiency that is linked to the type of ship. In addition, a gradual increase in restrictions is established every 5 years. A 30% reduction in fuel consumption is set as an objective for the period of 2025. The organization does not establish any technological restrictions, allowing the adoption of innovative technologies to achieve the objectives. This reduction in consumption in maritime traffic is also included in the package of measures known as “Objective 55” of the European Union. This Special Issue will be dedicated to maritime efficiency and energy transition.

### Guest Editor

Dr. Adelaida Garcia-Magariño

Instituto Nacional de Tecnología Aeroespacial “Esteban Terradas” (INTA), 28048 Madrid, Spain

### Deadline for manuscript submissions

closed (1 July 2025)



## Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/209070](https://mdpi.com/si/209070)

*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

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).