

## Special Issue

# Lightweight and Additively Manufactured Structures in Marine Applications

### Message from the Guest Editors

In order to achieve the full potential of lightweight and additive manufacturing structures for marine applications, a significant research effort is required in order to establish a high level of confidence for their design and lay strong foundations for clear and reliable guidelines and regulations. The objective of this Special Issue is to provide a platform to share the latest research advances concerning both lightweight marine structures and additive manufacturing potentialities in the marine industry. Both full research papers and review articles are welcome. Potential topics include, but are not limited to, the following:

- Lightweight design methodologies for marine structures;
- Experimental and numerical analyses on lightweight or additively manufactured marine structures;
- Lightweight structures' performance evaluation, failure analysis and repair strategies;
- Evaluation of potentialities of additive manufacturing technologies in the marine industry;
- Integration and connection solutions for the integration of lightweight and/or additively manufactured solutions in marine structures

---

### Guest Editors

Prof. Dr. Vincenzo Crupi

Department of Engineering, University of Messina, 98166 Messina, Italy

Dr. Giulia Palomba

Department of Engineering, University of Messina, 98166 Messina, Italy

---

### Deadline for manuscript submissions

closed (20 January 2024)



## Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0

---



[mdpi.com/si/120544](https://mdpi.com/si/120544)

*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).