



## Sustainable Composite Materials for Marine Applications

Guest Editors:

**Dr. Cristiano Fragassa**

Department of Industrial  
Engineering, Alma Mater  
Studiorum University of Bologna,  
Viale del Risorgimento 2, 40136  
Bologna, Italy

**Dr. Carlo Santulli**

School of Science and  
Technology, University of  
Camerino, 62032 Camerino, Italy

**Prof. Dr. Danilo Nikolić**

CQM9+33H Pomorski fakultet  
Kotor, Put I Bokeljske Brigade,  
Dobrota, Montenegro

Deadline for manuscript  
submissions:

**closed (31 March 2024)**

### Message from the Guest Editors

Dear Colleagues,

In the field of marine applications, the need for introducing more sustainable materials and manufacturing processes is increasing in urgency. This applies especially to polymer composites used in this field, many of which are based on fiberglass, which have a very environmentally impacting end-of-life. The enhanced sustainability of composite materials can be achieved by promoting the use of bio-based materials, such as natural fibers and bioresins. Other issues concern the possibility of employing materials into the marine environment, therefore preparing them to withstand the pH and salt concentration typical of an operation at sea, especially in regard to materials that are also environmentally sustainable. The use of materials of sea waste, for instance, in reuse from fishing operations (e.g., fishing gears and fishnets), seafood production, or excess materials generated by eutrophication effects are further examples of improvements in sustainability.

Dr. Cristiano Fragassa

Dr. Carlo Santulli

Prof. Dr. Danilo Nikolić

*Guest Editors*





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Tony Clare**

School of Natural and  
Environmental Sciences,  
Newcastle University, Newcastle  
upon Tyne NE1 7RU, UK

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed with Scopus, SCIE (Web of Science), GeoRef, Inspec, AGRIS, and other databases.

**Journal Rank:** JCR - Q1 (*Engineering, Marine*) / CiteScore - Q2 (*Ocean Engineering*)

## Contact Us

---

*Journal of Marine Science and  
Engineering* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/jmse  
jmse@mdpi.com  
X@JMSE\_MDPI