

Special Issue

Unmanned Surface Vessels (USVs): Technology, Applications and Regulatory Landscapes

Message from the Guest Editors

Unmanned Surface Vessels (USVs) have received a great deal of attention in the last years. Since then, there has been extensive research on various aspects of unmanned vehicles. The purpose of the invited Special Issue is to publish the most exciting research concerning the above subjects and to provide a rapid turnaround time regarding reviewing and publishing, and to disseminate the articles freely for research, teaching, and reference purposes. High-quality papers are encouraged for publication, directly related to various aspects of the USV technology, as mentioned below.

Topics

- Unmanned Surface Vessels (autonomous and/or remote controlled)
- Foundational technologies and design: hull, power and propulsion systems, and sensors
- Guidance, Navigation, and Control (GNC) systems
- Applications: scientific research, maritime safety, disaster response, and defense
- Challenges and future research trends
- Surveys and reviews

Guest Editors

Prof. Dr. Antonio Carlos Fernandes

Ocean Engineering Program, LOC/COPPE/UFRJ, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

Prof. Dr. Joel Sena Sales Junior

Department of Ocean Engineering, Federal University of Rio de Janeiro (COPPE/UFRJ), Rio de Janeiro, Brazil

Deadline for manuscript submissions

25 October 2025



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/240592

Journal of Marine Science and Engineering

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

jmse@mdpi.com

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
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).