

## Special Issue

# Innovations in Underwater Robotic Software Systems

### Message from the Guest Editor

As underwater robotics evolves, there is a critical need for cutting-edge research addressing challenges and advancements in this dynamic field. This Special Issue aims to deepen our understanding of underwater robotics applications, pushing the boundaries of exploration, research, and industrial operations. Focusing on software systems, this Special Issue explores multi-agent coordination, communication, navigation, control, and path-planning for underwater robotic platforms. It confronts key challenges, emphasizing advancements in multi-agent systems, communication technologies tailored for underwater environments, precise navigation techniques, novel control algorithms, and path planning developments. We welcome original papers presenting cutting-edge solutions and insights into pressing issues and challenges in the field.

---

### Guest Editor

Dr. Francisco Rego

Department of Electrical and Computer Engineering, Institute for Systems and Robotics (ISR), Instituto Superior Técnico (IST), University of Lisbon, Lisbon, Portugal

---

### Deadline for manuscript submissions

20 January 2026



## Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/215133](https://mdpi.com/si/215133)

*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).