

## Special Issue

# Global Navigation Satellite System for Maritime Applications

### Message from the Guest Editors

The advent of the Global Navigation Satellite System (GNSS) has revolutionized maritime navigation, providing seafarers with unprecedented accuracy, reliability, and global coverage. GNSSs encompass a constellation of satellites emitting signals that enable the precise determination of position, velocity, and time with for users across the globe, thus supporting the resilient Position, Navigating and Timing (PNT) global availability. The use of GNSSs in maritime applications extends beyond simple navigation to a multitude of critical operations, including search and rescue, secure cargo tracking, authenticated fisheries management, and the enforcement of maritime boundaries. This Special Issue delves into the specific applications of GNSSs in the maritime industry, including the development of autonomous vessels, which rely heavily on accurate and high integrity positioning; the enhancement of maritime safety; the facilitation of efficient maritime transport; and the support of sustainable marine environmental practices.

---

### Guest Editors

Prof. Dr. Salvatore Gaglione

Department of Science and Technology, University of Naples Parthenope, Centro Direzionale-Isola C4, 80143 Napoli, Italy

Dr. Franc Dimc

Faculty of Maritime Studies and Transport, University of Ljubljana, 6320 Portorož, Slovenia

---

### Deadline for manuscript submissions

closed (30 November 2024)



## Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/202291](https://mdpi.com/si/202291)

*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).