

Special Issue

Application of Advanced Technologies in Maritime Safety—Second Edition

Message from the Guest Editors

The development of technologies such as mapping technology, positioning technology, imaging technology, communication technology, and intelligent equipment, or the hull's own performance, have all profoundly promoted improvements in maritime safety. At the same time, the strong demand for advanced marine technologies as a result of the development of maritime engineering has sparked the creation of new technologies. The surge of autonomous navigation has also put forward higher requirements for technology and provided a stage for the display and application of these new technologies. This Special Issue focuses on recent developments in advanced technologies which can be applied to enhance maritime safety. It also provides a platform for both areas to communicate and converge. Topics of interest include, but are not limited to, the following:

- Sensing and communicating in maritime;
- High performance of ship hull;
- Automatic identification system;
- Marine measuring;
- Sonar system integrating sound with laser;
- Ship collision avoidance.

Guest Editors

Prof. Dr. Degang Xu

Dr. Chenxu Wang

Prof. Dr. Jiaxuan Yang

Deadline for manuscript submissions

5 September 2025



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/204004

*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](https://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).