

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

closed (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

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).