

Special Issue

Applications of Sensors and Artificial Intelligence Techniques in Ships

Message from the Guest Editors

The application of new sensing and artificial intelligence (AI) technology in the field of intelligent ships is mainly reflected in improvements to environment enhancement and fusion, remote communication, intelligent decision-making, control, and route and energy efficiency optimization for ships. This Special Issue will focus on cutting-edge solutions to achieve the safe, green, and intelligent navigation of intelligent ships in the fields of environment perception, situation cognition, maneuver decision-making, and control. Key areas of focus include advanced ship detection and tracking, maritime data mining, ship trajectory fusion, navigation awareness enhancement, intelligent ship collision avoidance, intelligent aids in ship navigation, maritime traffic organization, navigational risk assessment and control, maritime traffic supervision, and MASS.

Guest Editors

Dr. Jiansen Zhao

Merchant Marine College, Shanghai Maritime University, Shanghai 201306, China

Dr. Xinjian Wang

Navigation College, Dalian Maritime University, Dalian 116026, China

Dr. Rong Zhen

Navigation College, Jimei University, Xiamen 361021, China

Deadline for manuscript submissions

1 February 2026



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/232187

*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).