

Special Issue

Advances in the Safety and Security of Intelligent Ships and Offshore Structures

Message from the Guest Editors

Technology, especially AI and automation, is revolutionizing ship and offshore structure safety. It enhances operations' safety and efficiency and propels the industry towards smart and green solutions like intelligent shipping, smart fisheries, green ships, automated operations, augmented reality, and smart ports. This shift aims for safer, efficient, and eco-friendly maritime operations.

In this Special Issue, we welcome contributions from a broad range of theoretical, modeling, field and laboratory research into processes that affect the safety and security of intelligent ships and offshore structures, including, but not limited to, the following topics:

- Ship multi-objective design
- Route planning
- Testing of intelligent ships
- Fusion perception
- Navigation decision making
- Motion control
- Green ships
- Platform monitoring
- Environmental perception
- Platform structure simulation
- Platform Energy Management
- Security measures
- Collision avoidance
- Crew safety assurance
- Digital twin

Guest Editors

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Deadline for manuscript submissions

closed (5 November 2024)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/207166

*Journal of Marine Science and
Engineering*

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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

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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).