

Special Issue

Advanced Condition Monitoring and Intelligent Operation & Maintenance Technologies in Ships and Offshore Facilities

Message from the Guest Editors

In recent years, Intelligent Operations Management on ships and offshore facilities has witnessed rapid developments and innovations, which are of great significance for the Intelligent condition monitoring of ship machinery equipment, the remote monitoring and control of large offshore platforms, and optimization and hazard warning for ship navigation routes. For example, intelligent operations management technologies are employed in condition monitoring, fault diagnosis, life expectancy prediction, exhaust emission control, the remote control of offshore platforms, automatic navigation and collision avoidance, and maritime communication and positioning, etc. This Special Issue aims to highlight the latest advances in marine intelligent operations management technology, including, but not limited to, original research and reviews on the sensing mechanisms, structural design, system modeling and simulation, advanced manufacturing technologies, detection circuits, signal processing, sensor reliability, sensor interfaces, as well as original algorithmic research related to the intelligent management of operations. We look forward to receiving your papers.

Guest Editors

Prof. Dr. Hongpeng Zhang

Dr. Xingming Zhang

Dr. Lin Zeng

Deadline for manuscript submissions

closed (25 September 2024)



Journal of Marine Science and Engineering

an Open Access Journal
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Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/191261

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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

Prof. Dr. Charitha Pattiaratchi

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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).