

# Special Issue

## Advanced Research on Path Planning for Intelligent Ships

### Message from the Guest Editors

This Special Issue aims to present the latest advancements in intelligent path planning for Maritime Autonomous Surface Ships (MASS). With rapid developments in artificial intelligence, machine learning, and sensor technologies, robust and reliable path planning has become a core component of safe and efficient autonomous navigation. We invite original research and review articles on innovative methodologies, including collision avoidance algorithms, fuzzy inference systems, deep learning-based models, anomaly detection, and local/global route planning techniques. Submissions focused on real-time decision-making, simulation frameworks, VTS coordination, and data-driven approaches for maritime environments are particularly welcome. Through this Special Issue, we seek to foster interdisciplinary collaboration and offer a platform on which maritime researchers and engineers may share breakthroughs that will shape the future of intelligent ship navigation.

### Guest Editors

Prof. Dr. Joo-Sung Kim  
Prof. Dr. Ho Namgung  
Prof. Dr. Kwang-il Kim

### Deadline for manuscript submissions

20 October 2026



## Journal of Marine Science and Engineering

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Impact Factor 3.2  
CiteScore 5.6



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Engineering*  
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## 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.

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### Editor-in-Chief

Prof. Dr. João Miguel Dias

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