

Special Issue

Artificial Intelligence Technology and Application in Marine Science and Engineering

Message from the Guest Editors

Recent advances in Artificial Intelligence (AI) have presented unprecedented opportunities for innovation in marine science and engineering. The integration of AI-driven techniques—including machine learning, deep learning, data mining, and intelligent optimization—has enabled breakthroughs in ocean observation, marine environment monitoring, resource management, and autonomous maritime systems. This Special Issue aims to provide a multidisciplinary platform for researchers and engineers to present cutting-edge research and applications of AI technologies in marine contexts. Topics of interest include theoretical developments, computational frameworks, experimental studies, and case-based analyses that demonstrate the transformative role of AI in addressing complex marine and coastal challenges. We welcome contributions that explore AI-based methodologies for data assimilation, predictive modeling, marine robotics, operational research decision-making, and sustainable blue-economy strategies. Both original research papers and comprehensive reviews are encouraged.

Guest Editors

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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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