

Special Issue

Advanced Studies in Marine Data Analysis

Message from the Guest Editors

The increasing availability of marine data, driven by advancements in sensing technologies, automated monitoring, and digitalisation, has created new opportunities and challenges in maritime research. This Special Issue focuses on innovative methodologies and applications of marine data analysis, leveraging advanced artificial intelligence (AI), machine learning, deep learning, and big data analytics to enhance maritime operations, safety, and environmental sustainability. By gathering state-of-the-art research in marine data analysis, this Special Issue aims to advance data-driven decision-making in maritime transportation, improve risk mitigation strategies, and promote the integration of AI in intelligent marine systems. This Special Issue covers topics including, but not limited to, the following:

- marine data analytics;
- autonomous shipping;
- big data in maritime transportation;
- maritime cybersecurity;
- maritime situational awareness;
- AI-driven decision support systems;
- intelligent marine systems;
- risk assessment.

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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