

Special Issue

Advanced Ship Trajectory Prediction and Route Planning

Message from the Guest Editor

This Special Issue explores advanced methods for ship trajectory prediction and route planning with a focus on practical needs in today's maritime world. Key themes of interest include route planning for Maritime Autonomous Surface Ships (MASSs), traffic-flow-based trajectory studies using AIS data, and ship maneuvering dynamics for predicting vessel states in complex conditions. We welcome studies that combine theory with application, such as AI-based modeling, real-time decision support, and traffic management strategies. By bringing together these perspectives, this issue aims to provide insights that improve safety, efficiency, and autonomy in modern maritime navigation

Guest Editor

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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.

Editor-in-Chief

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