

## 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

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### Guest Editor

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### Deadline for manuscript submissions

20 February 2026



## Journal of Marine Science and Engineering

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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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi  
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