

## Special Issue

# Autonomous Marine Vehicle Operations—3rd Edition

### Message from the Guest Editors

The *Journal of Marine Science and Engineering* is pleased to announce a Special Issue entitled “Autonomous Marine Vehicle Operations—3rd Edition”, based on the great success of our previous Special Issue with the same titles. The world has witnessed a rapid development of unmanned systems, which has paved the way for innovative approaches to previously unsolvable problems in marine and ocean engineering. Advanced and intelligent operation methods of marine vehicles are being applied to a variety of significant engineering applications, contributing to successful interdisciplinary cooperation. This edition of the Special Issue on marine vehicle operation invites submissions on the following topics:

- Water surface object detection and recognition;
- Underwater vision and identification;
- Marine vehicle navigation, guidance, and control;
- Path planning, path following, and trajectory tracking;
- Collision avoidance and obstacle avoidance;
- Coordination and game for marine vehicles;
- Fault diagnosis design and fault tolerant control;
- Marine vehicle modelling and simulation technologies;
- Propulsion systems and energy efficiency.

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### Guest Editors

Prof. Dr. Xiao Liang

Prof. Dr. Rubo Zhang

Dr. Xingru Qu

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### Deadline for manuscript submissions

15 September 2025



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
CiteScore 5.0



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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  
School of Engineering, The UWA Oceans Institute, The University of  
Western Australia, Perth, WA 6009, Australia

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JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean  
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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
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