

## Special Issue

# Recent Advances in Artificial Intelligence for Navigation and Control of Autonomous Underwater Vehicles

### Message from the Guest Editors

Autonomous underwater vehicles (AUVs) are robotic devices with a propulsion system for navigation and an onboard computer for decision making. This Special Issue of the *Journal of Marine Science and Engineering* aims to publish the most recent advances in the application of artificial intelligence and its effect on the navigation and control of autonomous underwater vehicles in a single volume. We will cover the current state-of-the-art research on marine navigation, modeling and control of marine autonomous vehicles, as well as present studies on various related topics, for example, collision avoidance and path planning. The journal will offer a rapid turn-around time regarding reviewing and publishing, and all papers are published as open access for research, teaching, and reference purposes. High-quality papers are encouraged for publication concerning, but not limited to, the topics below:

- Autonomous underwater vehicles;
- Artificial intelligence;
- Marine navigation;
- Collision avoidance;
- Path planning.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 November 2023)



## Journal of Marine Science and Engineering

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an Open Access Journal  
by MDPI

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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

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### Author Benefits

#### High Visibility:

indexed with Scopus, SCIE (Web of Science), Ei Compendex, GeoRef, Inspec, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).