

Special Issue

State of the Art in Marine Robotics

Message from the Guest Editor

Marine robotics research aims to design, develop, and provide support to the operation of marine systems for scientific and academics research, as well as commercial applications. In this sense, marine robotics systems have emerged as standard tools to explore the ocean and to carry out many challenging tasks and missions. This Special Issue will provide a comprehensive overview of the state of the art of marine robotics. We invite research articles that will consolidate our understanding of this area. The Special Issue will publish full research papers and reviews about the latest experiments, applications, advances, and challenges in the field. Potential topics include, but are not limited to the following:

- Autonomous underwater and surface vehicles (AUVs, USVs), remotely operated vehicles (ROVs);
- Guidance, navigation, and path planning;
- Control, modeling, and simulation;
- Fault diagnosis and fault tolerance;
- Sensor networks, underwater sensing;
- SLAM, localization, and tracking;
- Cooperative surface and underwater vehicles;
- Machine learning methods for marine robotics;
- Communication systems;
- Applications, case studies, field trials, and experimental results.

Guest Editor

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Deadline for manuscript submissions

closed (15 January 2022)



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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

Prof. Dr. Charitha Pattiaratchi

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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 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).