

Special Issue

Unmanned Marine Vehicles: Perception, Planning, Control and Swarm—2nd Edition

Message from the Guest Editors

The *JMSE* is pleased to announce a Special Issue entitled “Unmanned Marine Vehicles: Perception, Planning, Control and Swarm—2nd Edition”, which is based on the great success of our previous Special Issue with the same title. Marine transportation and traffic are pivotal aspects of global connectivity, drawing significant global attention within the research domain. Within this field, unmanned marine vehicles emerge as crucial assets, including ships, boats, underwater vehicles, underwater gliders, etc. These vehicles are often empowered by advancements in navigation, control, and sensing technologies, and have the potential to redefine the possibilities of marine exploration and operations. Authors are invited to contribute research focusing on perception technologies, planning algorithms, control strategies, and sensing approaches tailored for unmanned marine vehicles. Topics of interest include, but are not limited to, the environmental perception of marine vehicles, the autonomous navigation and control of marine vehicles, multi-agent technologies, and efficiency assessment and testing.

Guest Editors

Prof. Dr. Yunsheng Fan
Prof. Dr. Yan Yan
Dr. Dongdong Mu

Deadline for manuscript submissions

closed (10 February 2026)



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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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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).