

Special Issue

Advances in Marine Vehicles, Automation and Robotics

Message from the Guest Editors

Nowadays, we are capable of investigating the surface of the earth and exploring outer space, but we have minimal knowledge about the ocean environment and deep-sea world. Oceans cover about 70% of the surface area of the earth, and enormous wealth and resources are buried in seas. Following the active development of ocean resources, the demand for underwater work has increased rapidly, and various underwater technologies have been developed for various vehicles, such as USVs, ROVs, AUVs, underwater gliders and marine robots. Modeling, control and navigation techniques are very important for the design and construction of efficient vehicle systems to enhance safety and reliability. The aim of this Special Issue is to provide a comprehensive overview of the state of the art in the modeling, control, guidance, state estimation, cooperation and localization of marine vehicles and robotics. This Special Issue will publish full research papers and reviews about the recent theoretical and experimental works, applications, advances and challenges in the field. We look forward to receiving your contributions to bring together the latest developments in this area within this Special Issue.

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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.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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