



## Advances in Marine Vehicles, Automation and Robotics—2nd Edition

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Deadline for manuscript  
submissions:

**15 August 2024**

### Message from the Guest Editors

With the advancement of oceanography research and marine resource exploration, marine mobile platforms have gained prominence, assuming a pivotal role in various marine missions including resource exploration, ocean observation, environmental monitoring, and sea area investigations. These platforms come in various types, such as Unmanned Surface Vehicles (USVs), Remotely Operated Vehicles (ROVs), Autonomous Underwater Vehicles (AUVs), and Underwater Gliders (UGs), marine animal robots, and among others. In particular, the harshness of the underwater environment and the nature of the signal make navigation, guidance, and control challenging. The aim of this Special Issue is to showcase ongoing research in marine vehicles and robotics, with a focus on practical applications and enhancing marine vehicle automation. We invite high-quality original contributions, including technical papers addressing uncertainties in marine vehicle control and autonomy, reviews, surveys, theoretical works, and cutting-edge experimental approaches. The scope encompasses modeling, control, navigation, cooperation, guidance, state estimation, and localization of marine vehicles and robotics.





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## 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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