

## Special Issue

# Navigation, Modelling and Control of Multiple Marine Autonomous Vehicles

### Message from the Guest Editor

With the development of unmanned technologies and electronics, marine autonomous vehicles have become the basis for performing a wide range of missions in aquatic environments. Joint implementation of complex commands by a coordinated group of vehicles can help to accomplish mission goals in an efficient and robust manner, significantly reduce the mission time and its cost, and help to gather more reliable information about the environment. The harsh conditions of marine environments and the need to consider joint motion constraints pose new challenges requiring the development of advanced motion planning and control methods. This SI aims to gather recent advances on navigation, guidance, and control of multiple marine autonomous vehicles acting in cooperation. High-quality research papers describing new approaches to cooperative motion planning, localization, and control of multi-vehicle systems, supported by theoretical and experimental studies, are encouraged.

### Guest Editor

Prof. Dr. Igor Bychkov

Matrosov Institute for System Dynamics and Control Theory of Siberian Branch of Russian Academy of Sciences, Irkutsk, Russia

### Deadline for manuscript submissions

closed (20 February 2023)



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
CiteScore 5.0

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*Journal of Marine Science and  
Engineering*

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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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