

# Special Issue

## Maritime Autonomous Vessels

### Message from the Guest Editors

The main goal of this special issue is to address the key challenges, thereby promoting research on marine autonomous ships. Topics of interest of this special issue include, but are not limited to, the following aspects:

- Intelligent and autonomous marine ships
- Mathematical models for marine ships
- AIS data analysis
- Maritime safety and risk assessment for autonomous ships and respective regulations
- Guidance, navigation and Control system design and applications
- Path following, path planning, trajectory planning and automatic collision avoidance for marine ships
- Machine learning methods and its application in marine autonomous ships
- Measurements and experiments in relationship to the behaviour of ships
- Sea trials and ship model tests
- Data Acquisition system and multi-sensor data fusion
- Multi-objective optimization design
- Applications of autonomous vessels in environmental monitoring, mapping and surveillance, search and rescuing operations, habitat mapping, marine biology and geology, hydrographic explorations
- Automatic berthing and unberthing
- Automated onboard systems

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### Guest Editors

Dr. Haitong Xu

Dr. Lúcia Moreira

Dr. Carlos Guedes Soares

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### Deadline for manuscript submissions

closed (31 March 2022)



# Journal of Marine Science and Engineering

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Impact Factor 2.7  
CiteScore 4.4



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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

Oceans Graduate School and The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

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### Author Benefits

#### High Visibility:

indexed with Scopus, SCIE (Web of Science), GeoRef, Inspec, AGRIS, and other databases.

#### Journal Rank:

JCR - Q1 (Engineering, Marine) / CiteScore - Q2 (Civil and Structural Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).