Special Issue

Maritime Autonomous Surface Ships

Message from the Guest Editors

Due to the increasingly strict environmental and safety regulations becoming and issues of crew safety, the maritime industry is being confronted with a range of pressing challenges. Given this, the use of autonomous ships provides potential solutions to respond to challenges, such as greenhouse gas (GHG) emissions, fuel savings and safety. The development towards marine autonomy technology will significantly improve the situation and is expected to become a cost-efficient alternative to conventional ships. The main goal of this Special Issue is to address the key challenges, thereby promoting research on maritime autonomous ships. The topics of interest in this Special Issue include, but are not limited to, the following:

- Intelligent and autonomous ships;
- Autonomous maritime operations;
- Maritime control systems and applications;
- Shore control centre;
- Remote operations;
- Multi-objective optimization design;
- Automatic identification system (AIS);
- Situational awareness;
- Decision making and logic;
- Sea trials and ship model tests;
- Data acquisition systems and multi-sensor data fusion;
- Safety and risk assessment for autonomous ships and respective regulations.

Guest Editors

Dr. Haitong Xu

Dr. Lúcia Moreira

Prof. Dr. Xianbo Xiang

Prof. Dr. Carlos Guedes Soares

Deadline for manuscript submissions

closed (15 January 2024)

Journal of Marine Science and Engineering

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.0

mdpi.com/si/157868

Journal of Marine Science and Engineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

mdpi.com/journal/jmse

Journal of Marine Science and Engineering

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.0

mdpi.com/journal/jmse

MDPI

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

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).