

Special Issue

Navigation and Localization for Autonomous Marine Vehicles

Message from the Guest Editor

Marine robotics aims to design and develop systems, as well as to provide support to their operation, for scientific research and commercial applications. Recent advances in miniaturized sensors, energy-efficient actuators, and low-cost embedded computer systems are impacting the development of autonomous, remotely operated, and hybrid marine vehicles. Current technology is also enabling the operation of multiple marine vehicles working in cooperation by exploiting the availability of increasingly sophisticated technologies for underwater communication networks. At the core of this trend, navigation and localization of autonomous marine vehicles are key for the suitable and reliable development of missions at sea. Therefore, this Special Issue is focused on collecting the latest experiments, applications, advances, and challenges related to navigation and localization of autonomous, surface and underwater, marine vehicles.

Guest Editor

Prof. Dr. David Moreno-Salinas

Department of Computer Science and Automatic Control, National Distance Education University (UNED), 28040 Madrid, Spain

Deadline for manuscript submissions

closed (10 July 2024)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/136447

*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](https://mdpi.com/journal/jmse)



About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).