

Special Issue

Application of Autonomous Robotic Platforms in Aquatic Environmental Observation

Message from the Guest Editors

Aquatic environmental observation is a broad topic that becomes crucial when considering particularly critical environments. In these specific applications, the lack of data is very often a penalizing factor for understanding the phenomena that are occurring and for the conservation of the ecosystems that characterize them. Although autonomous platforms already provide key observations for environmental assessment, further advances in autonomous systems are required to meet the growing ocean observation needs in different scientific fields such as biology, biogeochemistry, seabed mapping, deep ocean. The use of robotic systems as fundamental data-gathering tools allows new perspectives and a greater understanding of the planet and its processes while also taking advantage of the possibility to characterize the environment with spatial and temporal resolutions that are not otherwise obtainable.

The aim of this Special Issue of JMSE is to welcome papers that address the most recent and innovative applications of autonomous robotic platforms to enhance the observation and monitoring of the aquatic environment.

Guest Editors

Dr. Roberta Ferretti
Institute of Marine Engineering, Italian National Research Council,
Genova, Italy

Dr. Angelo Odetti
Institute of Marine Engineering, Italian National Research Council,
Genova, Italy

Deadline for manuscript submissions

closed (5 February 2023)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/126790

*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](https://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).