

Special Issue

Underwater Acoustic Communication and Marine Robot Networks

Message from the Guest Editors

We announce the third instalment of the Special Issue series on “Underwater Acoustic Communication and Networks”. In the first two instalments, 17 high-quality papers were accepted and published. Given recent developments and the rapidly growing interest in marine robotic networks, the third Special Issue in the series has been titled "Underwater Acoustic Communication and Marine Robot Networks". Marine robots are increasingly being used to carry out varied activities on the sea surface and underwater, such as seabed surveys, water column assessments, offshore infrastructure inspection, marine habitat monitoring, etc. Underwater acoustic communication systems are integral to the operation of marine robot networks. Therefore, seamless operation between acoustic communication systems and marine robots is required. High-quality papers are encouraged, particularly those directly related to the topics mentioned below:

- Marine robotic systems and networks;
- Autonomous navigation systems;
- Underwater acoustic communication and networks;
- Deep learning-driven underwater acoustic communication;
- Machine learning and artificial intelligence.

Guest Editors

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Deadline for manuscript submissions

closed (1 February 2026)



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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

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Journal Rank:

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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).