

Special Issue

Underwater Acoustics: Advances in Modelling, Measurement, and Technological Applications

Message from the Guest Editors

Underwater acoustics is a fundamental field for understanding the behavior of the marine environment and its interactions with various sound sources. This Special Issue aims to present cutting-edge research in underwater acoustics, ranging from the modeling of marine soundscapes to the latest technological innovations in underwater communication. Through this collection, we aim to explore the following key topics: 1. Underwater soundscape and noise: modelling, measurements, and effects. 2. Communication, Positioning, and Acoustic Sensor Systems. 3. Traffic ship noises. 4. Geophysics and Distributed Acoustic Sensing (DAS) capabilities. This Special Issue aims to bring together articles that address these topics from different perspectives, including theoretical research, experimental studies, technological innovations, and environmental impact assessments, to advance the understanding and management of underwater acoustics in an increasingly industrialized world, with a greater focus on marine sustainability.

Guest Editors

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Deadline for manuscript submissions

closed (10 April 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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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).