

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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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
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