

# Special Issue

## Advances in Underwater Acoustic Communication and Ocean Sensor Networks

### Message from the Guest Editors

The vast ocean covers 140 million square miles, some 72 percent of the Earth's surface, and is one of the most valuable natural resources. Ocean exploration is an essential step for sustainable global resource development. There has been an accelerated advancement in communication technologies in recent decades. Underwater acoustic communication (UAC) and Ocean Sensor Networks (OSNs) enable us to interact with underwater information and terrestrial users, being a critical means of ocean exploration. However, a changeable and highly dynamic ocean environment deteriorates the performance of UAC and OSNs. A bottleneck for current underwater technologies is acquiring a robust and anti-interference UAC and OSN to prompt civilized or military underwater applications. To this end, the Special Issue aims to publish the most exciting research on some topics related to advanced UAC and OSN technologies, provide a rapid turn-around time for reviewing and publishing, and freely disseminate the articles for research, teaching, and reference purposes.

### Guest Editors

Prof. Dr. Huafeng Wu

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### Deadline for manuscript submissions

closed (5 April 2025)



## Journal of Marine Science and Engineering

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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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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#### 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 15.6 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).