

## 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.

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### Guest Editors

Prof. Dr. Huafeng Wu

Merchant Marine College, Shanghai Maritime University, Shanghai, China

Prof. Dr. Dezhi Han

College of Information Engineering, Shanghai Maritime University, Shanghai 201306, China

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### Deadline for manuscript submissions

closed (5 April 2025)



## Journal of Marine Science and Engineering

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*Journal of Marine Science and Engineering*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jmse@mdpi.com](mailto:jmse@mdpi.com)

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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

School of Engineering, The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

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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).