

## Special Issue

# Innovative Marine Environment Monitoring, Management and Assessment

### Message from the Guest Editors

The marine environment is faced with numerous threats, including pollution, overfishing, climate change, and habitat destruction. Effective monitoring, management, and assessment of the marine environment are essential to ensure its sustainability and protect biodiversity. This Special Issue aims to provide a platform for researchers and practitioners to share their latest findings and innovative solutions in the field of marine environment monitoring, management, and assessment. We welcome original research articles, reviews, and perspectives on the topics mentioned above. The scope of the Special Issue includes, but is not limited to, the following topics:

- Environmental DNA Metabarcoding for Environmental Monitoring and Management;
- Marine Monitoring Using Optical Fiber Sensors and Acoustic Detection Systems;
- Big Data and Artificial Intelligence for Enhanced Environmental Assessment and Management;
- Novel Assessment and Management Solutions for the Sustainable Use of Marine Resources;
- Marine Biodiversity Monitoring, Assessment Conservation, and Restoration.

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### Guest Editors

Dr. Jinping Cheng

Prof. Dr. Huayong Yang

Dr. Liang Fang

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### Deadline for manuscript submissions

closed (5 June 2025)



## Journal of Marine Science and Engineering

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an Open Access Journal  
by MDPI

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Impact Factor 2.8  
CiteScore 5.0



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

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#### High Visibility:

indexed with Scopus, SCIE (Web of Science), Ei  
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#### Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean  
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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
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the first half of 2025).