

## Special Issue

# Monitoring and Assessing the Changing Coastal Ecosystem in Response to Global Change

### Message from the Guest Editors

The health of the coastal marine ecosystem is declining, and the sustainability of the sea is facing serious challenges. In order to facilitate a sustainable approach to ocean governance and achieve the goal of high-quality socio-economic development, the evolution of the marine ecosystem under multiple drivers, which usually shows multi-scale variability, must be understood. Monitoring and predicting coastal processes are, therefore, of increasing importance. This Special Issue aims to present the recent advances in monitoring, simulating and assessing coastal eutrophication and ecosystem response. We welcome contributions from the application of novel observational and experimental technologies, the development of ocean data and products, assessment of ecological health risks, numerical studies with theoretical or physical-biogeochemical models, and process studies including but not limited to harmful algal blooms, hypoxia and coastal acidification.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 December 2023)



## Journal of Marine Science and Engineering

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Impact Factor 3.2  
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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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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#### Journal Rank:

JCR - Q2 (Oceanography) / CiteScore - Q1 (Ocean Engineering)

#### 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).