

## Special Issue

# Organic Matter and Nutrient Cycling in Coastal Wetlands and Submerged Aquatic Ecosystems in an Age of Rapid Environmental Change – the Anthropocene

### Message from the Guest Editors

Coastal wetlands and submerged aquatic ecosystems play a critical role in cycling, transforming, and storing organic matter and nutrients. By maintaining and improving water quality, these coastal ecosystems facilitate the productivity and ecological function of submerged systems such as seagrass beds and oyster reefs. Understanding the magnitude and pathways of organic matter and nutrient processing within and among intertidal and subtidal systems with rapid environmental change allows us to better manage and restore these systems at larger spatial scales. Despite high rates of destruction and degradation, these systems are continuing to provide a disproportionate magnitude of ecological services that benefit society.

### Topics:

- water quality;
- nutrient transport and processing;
- carbon cycling and sequestration;
- anthropogenic stressors;
- disturbance and resilience;
- restoration and management;
- climate change;
- land-use change;

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### Guest Editors

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## Journal of Marine Science and Engineering

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Impact Factor 2.8  
CiteScore 5.0



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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

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#### Journal Rank:

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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).