

Special Issue

Biogeochemistry of Rare Earth Elements (REE) in Marine Environments

Message from the Guest Editors

This Special Issue will explore the biogeochemical dynamics of Rare Earth Elements (REE) within marine environments, emphasizing their sources, transformations, and ecological impacts. The primary objective of this Special Issue is to advance scientific knowledge on the distribution, speciation, and mobility of REEs in marine sediments, waters, and biota. We aim to highlight innovative research addressing the mechanisms governing REE transport and accumulation, as well as their interactions with organic matter, minerals, and biological systems. Additionally, articles will evaluate the potential ecological risks associated with REE contamination and propose strategies for monitoring and mitigation. By integrating interdisciplinary perspectives—from geochemistry and ecology to environmental monitoring—this Special Issue will foster a deeper understanding of REE cycles in coastal areas. Ultimately, it will inform sustainable resource management practices and policy development to protect these critical ecosystems from REE-related disturbances.

Guest Editors

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Deadline for manuscript submissions

closed (1 April 2026)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/235254

*Journal of Marine Science and
Engineering*

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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

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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).