

Special Issue

Biogeochemistry of Rare Earth Elements (REE) in Coastal Areas

Message from the Guest Editors

This Special Issue will explore the biogeochemical dynamics of Rare Earth Elements (REE) within coastal 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 coastal 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

25 August 2025



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/235254

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Engineering*
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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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