

## Special Issue

# Isotopic Analysis of Marine Sediments

### Message from the Guest Editors

Marine sediments are vital archives of Earth's environmental history, and isotopic analysis offers powerful tools that allow us to reconstruct past climates, ocean biogeochemistry, and biogeochemical cycles.

The Special Issue will highlight advances in isotopic techniques applied to marine sediments. We are seeking studies that deepen our understanding of oceanographic processes, climate variability, and sedimentary geochemistry across spatial and temporal scales. In the decades since isotopic analysis was introduced in marine science, the field has expanded from palaeoceanography to pollution tracking. Recent innovations include high-resolution isotopic stratigraphy, compound-specific isotope analysis, and the use of non-traditional isotopes. These approaches, combined with advanced instrumentation and modeling, are transforming our ability to interpret the sedimentary records.

We welcome original research, reviews, and methodological papers on topics such as climate reconstruction, sediment diagenesis, nutrient cycling, and anthropogenic signals. Interdisciplinary studies integrating isotopic data with biological, physical, or modeling approaches are of particular interest.

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### Guest Editors

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### Deadline for manuscript submissions

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## 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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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#### 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).