

Special Issue

Advances in Marine Natural Products

Message from the Guest Editor

This Special Issue aims to bridge interdisciplinary gaps by showcasing innovative approaches in marine natural product research, from bioprospecting in underexplored habitats to advanced metabolomics and AI-driven drug discovery. We welcome original research, reviews, and perspectives that integrate marine chemistry, molecular ecology, and omics technologies with applied strategies for sustainable exploitation of marine resources. This Special Issue seeks to compile interdisciplinary research on the discovery, characterization, and application of marine-derived natural products. We aim to highlight advances in extraction technologies, ecological studies of marine biodiversity, and the integration of omics tools (genomics and metabolomics) to decode biosynthetic pathways. We invite original research, reviews, and perspectives on the following topics: Novel marine natural products with therapeutic or industrial applications.

Sustainable harvesting and cultivation techniques. Ecological and evolutionary insights into marine chemical ecology.

Advances in omics, synthetic biology, and computational modeling for marine biodiscovery.

Guest Editor

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Deadline for manuscript submissions

closed (15 May 2026)



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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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Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (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).