

## Special Issue

# Bioprospecting for Marine Organisms: From Genes to Compounds

### Message from the Guest Editors

The marine realm is a rich source of secondary metabolites with different biological properties. In the vast and highly diversified marine environment, marine organisms have developed various survival strategies, leading to the production of a range of innovative molecules with high biotechnological impacts. Bioprospecting of marine organisms is an area of growing interest in facilitating the discovery of bioactive metabolites relevant for human applications (e.g., for the pharmaceutical, nutraceutical, and cosmeceutical sectors). New advances in the field are also given by -omics approaches, such as genome and transcriptome mining, that allow the study of the enzymatic pathways involved in the production of bioactive compounds and their activation. The aim of this Special Issue is to collect high-quality papers, including reviews and articles, related to up-to-date findings in marine organism bioprospecting.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 May 2026)



## Journal of Marine Science and Engineering

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by MDPI

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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

Prof. Dr. Charitha Pattiaratchi

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#### High Visibility:

indexed with Scopus, SCIE (Web of Science), Ei Compendex, GeoRef, Inspec, AGRIS, and other databases.

#### 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).