

Special Issue

Benthic Microbial Community in Marine and Coastal Environment

Message from the Guest Editor

The oceans harbor a remarkable diversity of marine microorganisms. The sediment seafloor of the coastal shelf and deep-sea habitat, including the microbial community, covers nearly 70% of the Earth's surface. However, further study is needed regarding this extensive, lesser-known ecosystem's structure, diversity, function, and biochemical processes. This Special Issue aims to explore the diversity of coastal and deep-sea benthic microbial communities, from prokaryotes to macrofauna, and the linkages that impact community metabolism, biogeochemical fluxes, ecosystem services, and coupled natural–human systems. The scope may also include the kinetics of vital metabolic processes such as remineralization. Understanding how marine sediments play a role in the global cycle to sequester carbon and recycle nutrients is imperative. The social and ecological factors associated with marine protected areas may also be considered. This issue will highlight studies across various geographic systems, investigating biodiversity, biochemical mechanisms, and techniques pertaining to microbial natural products with human health impacts.

Guest Editor

Dr. John P. Bucci

1. School of Marine Science and Ocean Engineering, University of New Hampshire, Durham, NH, USA
2. Marine Microverse Institute, Kittery, ME, USA

Deadline for manuscript submissions

closed (29 February 2024)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/168863

*Journal of Marine Science and
Engineering*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

[mdpi.com/journal/
jmse](https://mdpi.com/journal/jmse)





Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



[mdpi.com/journal/
jmse](https://mdpi.com/journal/jmse)



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

School of Engineering, The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

Author Benefits

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).