

Special Issue

Deep-Sea Mining Technologies: Recent Developments and Challenges

Message from the Guest Editors

More than a half century has passed from the first recognition of the potential of deep-sea minerals for future metal sources. At the time, it was considered technologically and economically easier to realize deep-sea mining. Many scientific, technological, and environmental advancements have been made over these 50 years. Nevertheless, no venture has started full-scale mining activity. Because many on-site experiments have been successful in recent years, it seem as if a new era of deep-sea mining is coming soon. However, some technological, economical, and environmental challenges still need to be addressed to realize deep-sea mining. In addition, a strong anxiety over the ecosystem impacts of mining operations in deep-sea areas is arising. In this Special Issue, the current status of deep-sea mining technologies and new challenges are introduced.

Guest Editors

Prof. Dr. Tetsuo Yamazaki
Dr. Sup Hong
Dr. Rahul Sharma

Deadline for manuscript submissions

closed (1 January 2025)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/183665

*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).