

Special Issue

Advances in Marine Gas Hydrate Exploration and Discovery—2nd Edition

Message from the Guest Editors

The aim of this Special Issue is to advance research on gas hydrate exploration and discovery in continental margins, with an emphasis on the mechanism of accumulation and the assessment of marine hydrate's environmental and resource benefits. Papers on the following topics are welcome: gas hydrate exploration, exploration theory and technology, the distribution and occurrence of hydrates in nature, resource appraisal techniques and technology, environmental monitoring, and the relationship between hydrates and climate change. We welcome the submission of both review and research papers to this Special Issue. Topics of interest for this Special Issue include, but are not limited to, the following:

- Geological, geophysical, and geochemical method for the exploration of gas hydrate;
- Dynamic gas hydrate system and methane recycling;
- Hydrate occurrence associated with cold seeps;
- Resource evaluation and prediction methods;
- Environmental monitoring and evaluation of the gas hydrate system;
- The interaction between climate change and the gas hydrate system;
- New technology and applications in gas hydrate exploration.

Guest Editors

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Deadline for manuscript submissions

closed (20 December 2025)



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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:

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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).