



## Advances in Marine Gas Hydrate Exploration and Discovery

Guest Editors:

**Dr. Wei Zhang**

**Prof. Dr. Pibo Su**

**Dr. Jiliang Wang**

**Prof. Dr. Qianying Liang**

Deadline for manuscript  
submissions:

**1 September 2024**

### 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. Both review and research papers are welcome to be submitted.

Topics of interest for this Special Issue include, but are not limited to, the following:

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





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Tony Clare**

School of Natural and  
Environmental Sciences,  
Newcastle University, Newcastle  
upon Tyne NE1 7RU, UK

## Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (JMSE; ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed with Scopus, SCIE (Web of Science), GeoRef, Inspec, AGRIS, and other databases.

**Journal Rank:** JCR - Q1 (*Engineering, Marine*) / CiteScore - Q2 (*Ocean Engineering*)

## Contact Us

---

*Journal of Marine Science and  
Engineering* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/jmse  
jmse@mdpi.com  
X@JMSE\_MDPI