



## Marine Gas Hydrate: Geological Characterization, Resource Potential, Exploration and Development

Guest Editors:

**Prof. Dr. Gaowei Hu**

Qingdao Institute of Marine  
Geology, Qingdao 266071, China

**Dr. Liang Lei**

School of Engineering, Westlake  
University, Hangzhou, Zhejiang  
310024, China

Deadline for manuscript  
submissions:

**closed (1 September 2022)**

### Message from the Guest Editors

Dear Colleagues,

Natural gas hydrate has attracted the attention of scientists globally due to its huge resource potential. In recent decades, the investigation and research of natural gas hydrate have helped toward great advances in natural gas hydrate formation, geological characteristics, resource potential assessment, exploration, and production technology. This Special Issue aims to report the latest research results on these topics, stimulate rapid and influential public dissemination, and support the development of the natural gas hydrate field.

High-quality research and novel techniques related to the following topics are encouraged for publication:

Marine gas hydrate;

Gas hydrate formation;

Geological characterization;

Physical properties;

Resource potential assessment;

Case studies;

Exploration and production technology;

Effects on the environment.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Charitha Pattiaratchi**  
School of Engineering, The UWA  
Oceans Institute, The University  
of Western Australia, Perth, WA  
6009, Australia

## 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.

## 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), Ei Compendex, GeoRef, Inspec, AGRIS, and other databases.

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

## Contact Us

---

*Journal of Marine Science and  
Engineering* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

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