

## Special Issue

# Gas Hydrate—Unconventional Geological Energy Development

### Message from the Guest Editors

Gas hydrate has attracted attention as a potential unconventional geological energy, with numerous efforts having been devoted towards realizing the commercial production of gas hydrate. However, there are many factors restricting this development. This Special Issue aims to present recent advances in gas hydrate development. We invite you to submit comprehensive review papers and original articles covering topics including, but not limited to, the following:

- Gas hydrate reservoir structure characterization;
- Mechanical tests and constitutive models of gas hydrate-bearing sediments;
- Multiphase seepage mechanism in gas hydrate reservoirs;
- Numerical simulation methods of gas hydrate development;
- Novel gas hydrate exploitation methods;
- Geological hazards and environmental effects relative to gas hydrate development.

---

### Guest Editors

Prof. Dr. Yujing Jiang

Dr. Hengjie Luan

Prof. Dr. Xuezheng Wu

Dr. Changsheng Wang

---

### Deadline for manuscript submissions

closed (10 November 2023)



## Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/146840](https://mdpi.com/si/146840)

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

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.

---

### 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 15.6 days after  
submission; acceptance to publication is undertaken in 1.9  
days (median values for papers published in this journal in  
the first half of 2025).