

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. Xuezhen Wu

Dr. Changsheng Wang

Deadline for manuscript submissions

closed (10 November 2023)



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

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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

School of Engineering, The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

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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).