

Special Issue

Advances in Offshore Oil and Gas Exploration and Development

Message from the Guest Editors

In today's world, energy consumption is at an all-time high, necessitating the development of new energy sources. Offshore strata contain vast reserves of oil and gas, providing an important solution to address the global energy shortage. However, our understanding of efficient offshore oil and gas resource development remains limited. Some key challenges should be addressed in the exploration and development of these resources, including, but not limited to, pore structure characterization, oil occurrence, oil mobility, and enhanced oil recovery (EOR). Pore structure encompasses aspects like pore size distribution, porosity, permeability, and pore connectivity. A larger pore volume can accommodate higher amounts of oil and gas, and higher permeability facilitates their flow. This Special Issue proposes a collection of state-of-the-art research on the exploitation of offshore oil and gas resources. We invite prospective authors to submit high-quality original articles or comprehensive reviews that investigate the efficient development of oil and gas from both geological and engineering perspectives.

Guest Editors

Prof. Dr. Mianmo Meng

Dr. Wenming Ji

Prof. Dr. Guodong Cui

Deadline for manuscript submissions

closed (5 January 2026)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/230473

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

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 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).