

# Special Issue

## AI-Empowered Marine Energy

### Message from the Guest Editors

In recent years, much progress has been made in the field of offshore renewable energy, which is beneficial to the realization of a global energy green transformation and low-carbon development. However, the random fluctuations in renewable energy and the complex marine environments have limited the use of Marine Renewable Energy in the open sea. At present, the rapid development of artificial intelligence (AI) technology covers many aspects such as data analysis and prediction models. It has shown great applicability potential in the field of marine energy and is expected to promote newer developments in marine energy. Based on this, this Special Issue is expected to cover the latest achievements in the field of artificial intelligence technology and the comprehensive development of marine energy. Research topics include but are not limited to the application of AI in the design of new marine energy systems, optimization, and operation, as well as the AI-driven integration of offshore energy and marine resource industries. Reviews or research papers in related fields are also welcome.

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### Guest Editors

Prof. Dr. Zhaolong Han

Prof. Dr. Jianhua Zhang

Dr. Zhongqiang Liu

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### Deadline for manuscript submissions

closed (10 July 2025)



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
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## 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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi  
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