

## Special Issue

# Operations and Maintenance Challenges in Wave Energy Conversion

### Message from the Guest Editors

Wave energy conversion technology has demonstrated immense potential as a source of renewable energy, being capable of harnessing the power of ocean waves to generate electricity. However, despite significant advancements, the technology is not yet fully mature. Most of the devices that have been deployed so far are prototypes, and only a limited number of full-scale devices are in operation. This early stage of development presents both opportunities and challenges, particularly in terms of operational efficiency and long-term sustainability. This Special Issue aims to publish recent research findings regarding the challenges associated with operation and maintenance in wave energy conversion, with a focus on strategies that enhance reliability and reduce the time required for installation and maintenance, thus optimizing operational efficiency in order to accelerate the technological development of this promising energy source. We welcome submissions related to O&M strategies and wave conversion systems.

### Guest Editors

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### Deadline for manuscript submissions

20 August 2025



## Journal of Marine Science and Engineering

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## About the Journal

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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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