

## Special Issue

# Wave Energy: Hindcast and Forecast

### Message from the Guest Editor

The dynamic nature of ocean waves offers an immense, untapped energy reservoir that, when harnessed effectively, can significantly contribute to the global transition towards cleaner energy systems. However, realizing this potential requires a deep understanding of wave energy resources, advancements in predictive models, and innovative technological solutions. We invite submissions that explore diverse aspects of this field, including, but not limited to, the following:

- **Hindcasting Studies:** modeling and utilizing historical data to understand wave energy patterns, assess resource variability, and inform strategic planning.
- **Forecasting Innovations:** the development and refinement of predictive tools and methodologies to enhance the accuracy and reliability of wave energy forecasts and projections.
- **Environmental Assessments:** evaluations of the ecological impacts of wave energy projects.
- **Case Studies and Applications:** insights from real-world deployments and operational experiences in harnessing wave energy.

Join us in shaping the future of marine renewable energy by contributing your work to this Special Issue.

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### Guest Editor

Dr. Seongho Ahn

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### Deadline for manuscript submissions

closed (15 June 2025)



## Journal of Marine Science and Engineering

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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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