

## Special Issue

# Advanced Marine Energy Harvesting Technologies

### Message from the Guest Editors

The harvesting of marine energy (e.g., wind, wave, current and thermal) is a sustainable and convenient way to generate and store power from the oceans. The past several decades have seen rapid progress in marine energy harvesting technologies. These technologies could help to overcome the high entropy of marine energy and greatly promote the efficiencies of energy capture and power take-off. Combined with the advances in power management and energy storage, marine energy could be a promising sector in the grid, and have the potential to represent the power foundation of self-powered marine systems and distributed marine systems. This Special Issue invites original research and review articles on the broad aspects of advanced harvesting technologies for marine energy. Topics of interest include, but are not limited to, the following:

- Wave energy and energy capture;
- Offshore wind energy and floating wind turbines;
- Current and tidal energy;
- Linear direct generators;
- Triboelectric nanogenerators;
- Self-powered systems and distributed systems;
- Power management and energy storage.

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### Guest Editors

Dr. Hao Wang

Prof. Dr. Minyi Xu

Prof. Dr. Xinxiang Pan

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### Deadline for manuscript submissions

closed (31 August 2023)



## 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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