

## Special Issue

# Dynamic Analysis and Optimization of Wave Energy Devices

### Message from the Guest Editors

During the last decade, research on wave energy has seen massive growth thanks to global climate change. Researchers and policy makers are looking for alternative sources of energy to reduce the effect of global climate change. Ocean waves store a vast amount of energy that, if harnessed properly, can produce a huge amount of electricity when connected with the grid. However, most wave energy converters currently developed still have low TRL levels. It is indeed necessary to continue to develop and research activities related to wave energy converters. This Special Issue aims to discover the latest developments related to wave energy conversion. The topics of interest for publication include, but are not limited to:

- Hydrodynamic analysis of wave energy converters (WEC);
- Numerical and experimental analysis of turbines for WEC;
- Full-scale testing techniques of WEC;
- Fluid-structure interaction of WEC;
- Optimization techniques for WEC.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 September 2025)



## Energies

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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

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