

Special Issue

Recent Advancements in Offshore Renewable Energy

Message from the Guest Editors

This Special Issue aims to showcase the latest research achievements and findings in the Offshore Renewable Energy (ORE) field. Researchers are invited to contribute with original and review articles, dealing with topics such as:

- Advances in ORE resource characterization and forecasting;
- Developments in ORE conversion technologies;
- Hybridization of ORE conversion technologies and combination with other renewable sources (solar PV, green hydrogen, etc.);
- Control and modeling of ORE systems;
- Grid integration of ORE systems;
- Life-cycle cost modeling of ORE systems;
- Environmental and socio-economic impact assessment of ORE systems;
- Artificial intelligence applications for ORE systems;
- Assessment of legal frameworks applicable to ORE deployments.

Keywords: offshore wind energy; wave energy; tidal energy; resource characterization and forecasting; ORE conversion technologies; control strategies for ORE systems; grid integration of ORE systems; techno-economic assessment of ORE systems

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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