

Special Issue

Advanced Engineering in Marine Renewable Energy and Sustainability

Message from the Guest Editors

This Special Issue aims to promote scientific research, technological innovation, and engineering applications in the field of marine renewable energy, with particular focus on environmental impact assessment, coastal resilience enhancement, sustainability analysis, and interdisciplinary integration strategies. The scope of this Special Issue aligns closely with the aims of *Sustainability*, emphasizing the role of marine renewable energy in sustainable utilization, environmental stewardship, and energy transition. Original research articles, review papers, and case studies are all welcome. Topics of interest include, but are not limited to, the following:

- Environmental impact, coastal ecological response, and sustainability assessment of marine renewable energy;
- Energy efficiency analysis, techno-economic evaluation, life-cycle assessment (LCA), and policy studies;
- Data-driven models, intelligent monitoring, and artificial intelligence (AI) or machine learning (ML) innovations for marine energy applications;
- Roles and strategies of marine energy systems in coastal resilience, hazard mitigation, and sustainable port operations

Guest Editors

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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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