



Sustainable Development and Utilization of Offshore Wave and Tidal Energy

Guest Editor:

Prof. Dr. Jan Emblemsvåg

Department of Ocean Operations
and Civil Engineering, Norwegian
University of Science and
Technology, Ålesund, Norway

Deadline for manuscript
submissions:

closed (5 March 2024)

Message from the Guest Editor

Dear Colleagues,

Wind power, solar photovoltaic power and modern bioenergy have gained substantial attention and traction as sustainable alternatives to traditional fossil-fuel-based energy sources. However, offshore wave and tidal energy have gained little attention in comparison. This Special Issue therefore aims at improving this situation.

One area of focus is the technological advancements in wave and tidal energy conversion devices. The performance of various types of wave energy converters (WECs) is evaluated under different operating conditions. Similarly, the design and optimization of different types of tidal turbines are extensively studied to maximize power generation and minimize costs. Another key aspect addressed in this Special Issue is the environmental impact assessment of offshore wave and tidal energy projects, including the potential effects on marine habitats and marine biology.





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Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
Oceans Graduate School and The
UWA Oceans Institute, The
University of Western Australia,
Perth, WA 6009, Australia

Message from the Editor-in-Chief

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*Journal of Marine Science and
Engineering* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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