# Special Issue

# Advanced Technologies for the Integration of Marine Energies

### Message from the Guest Editors

In the energy transition processes towards more efficient, sustainable, and flexible models in power systems, many countries have turned their attention to marine energy. However, marine energy faces the challenge of an extremely harsh environments in marine settings, which compromises the economic feasibility of projects. Thus, this Special Issue aims to compile various advances that are contributing to the growth of marine energy towards a more technically and economically viable development model, including the following:

- Technology developments to convert marine renewable energy into electricity.
- Analysis of electric grid stability when integrating marine energy.
- Technologies to enhance the connection of marine renewable energies into the grid, such as energy storage devices.
- Environmental impact of renewable marine energies when connected to the grid.
- Grid-isolated renewable marine energies.
- Autonomous systems supplied by renewable marine energy.
- Advanced modelling of renewable marine generators connected to the grid.
- Power electronics and control strategies to improve performance.
- Hydrogen production from renewable marine energy.

### Guest Editors

Dr. Marcos Lafoz
Technology Department Av. de la Complutense, Energy, Environmental and Technological Research Center, CIEMAT Electrical Engineering Division, 22, 28040 Madrid, Spain

Prof. Dr. Milad Shadman
Offshore Renewable Energy Group (GERO), Ocean Engineering Program—COPPE, Universidade Federal do Rio de Janeiro (UFRJ), Janeiro 21941-599, Brazil

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*Energies*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

## Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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