

## Special Issue

# Advances and Challenges in Harvesting Ocean Energy

### Message from the Guest Editor

This Special Issue seeks to contribute to the renewable energy agenda through enhanced scientific and multi-disciplinary works, aiming to improve knowledge and performance in harvesting ocean energy. We strongly encourage papers providing innovative technical developments, reviews, case studies, and analytics, as well as assessments and manuscripts targeting different disciplines, which are relevant to harvesting ocean energy and to the associated advances and challenges. Topics of interest for publication include, but are not limited to, the following:

- Offshore wind, fix turbines, and floating platforms;
- Conversion of the tidal energy;
- Conversion of the wave energy;
- Conversion of the solar energy in marine environment;
- Collocation against hybrid concepts;
- Modeling waves, tides, and offshore wind;
- Numerical modelling of marine energy converters;
- Physical modelling of marine energy converters;
- Array modelling;
- Risk and reliability assessment in marine energy extraction;
- Environmental impact of marine energy extraction;
- LCOE dynamics and other economic aspects in harvesting ocean energy.

---

### Guest Editor

Prof. Dr. Eugen Rusu

1. National Institute for Research and Development in Environmental Protection, 060031 Bucharest, Romania
2. CENTEC—Centre for Marine Technology and Ocean Engineering, University of Lisbon, Lisbon, Portugal

---

### Deadline for manuscript submissions

closed (15 December 2020)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/36449](https://mdpi.com/si/36449)

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

[mdpi.com/journal/  
energies](https://mdpi.com/journal/energies)





# Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/journal/  
energies](https://mdpi.com/journal/energies)



## 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

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q1 (Control and Optimization)