Special Issue

Techno-Economic Assessment and Potential Analysis of Renewable Energy Technologies

Message from the Guest Editors

Large-scale integration of renewable energy sources (RES) is at the centre of most decarbonisation policies across the globe. Nevertheless, RES shares increase across various energy sectors, which represents a challenge for most countries and RES potential is usually left untapped. Intermittence, temporal and spatial variability, low energy density, modeling uncertainty and economical feasibility are common obstacles for the successful implementation of RES technologies. This Special Issue will address these challenges by exploring novel models, solutions, ideas and case studies for determining the technical potential and economic feasibility of renewable technologies. The list of potential topics includes, but is not limited to:

- Novel RES potential assessment methods;
- Innovative business schemes of RES technologies;
- GIS modeling and RES mapping;
- Uncertainty of modeling and measurement;
- Analysis of RES potential on various temporal and spatial scales;
- Financial structure of novel RES technology solutions;
- Review of RES techno-economic assessment methods;
- Review of RES potential analysis methods.

Guest Editors

Dr. Hrvoje Dorotić
Dr. Jurica Brajković
Dr. Maja Božičević Vrhovčak

Deadline for manuscript submissions

closed (18 September 2024)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/163070

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

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)

MDPI