

Special Issue

Modeling and Optimization of Renewable Energy Technologies in Sustainable Energy Systems

Message from the Guest Editors

The aim of this Special Issue is to investigate the modeling and optimization of renewable energy technologies in sustainable energy systems. We invite researchers and experts from academia and industry to contribute their original research work, innovative methodologies, and case studies in this field to this special issue. Topics of interest for publication include, but are not limited to:

- Modeling and simulation of sustainable energy systems including real-time models;
- Energy storage technologies and control of sustainable energy systems;
- Demand response and management strategies for sustainable energy systems;
- Sustainable energy systems control and operation;
- Photovoltaic power and wind power generation forecasting.

Guest Editors

Dr. Yue Xia

Dr. Juan Su

Prof. Dr. Shaahin Filizadeh

Deadline for manuscript submissions

closed (26 March 2024)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/186729

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)