Special Issue

Economic Analysis of Decarbonization and Energy Transition

Message from the Guest Editors

The objective of this Special Issue is to showcase and disseminate the most recent advancements pertaining to the economic fundamentals of the design and utilization of various energy technologies, their efficiency, and the associated costs with environmental impacts. Potential subjects for publication include, but are not limited to:

- Managing the renewable energy sector and integrating it with fossil fuel-based power plants;
- Economic and legal challenges related to sustainable development;
- Econophysical methods in the study of the energy sector;
- Circular economy;
- The role of the laws of thermodynamics in the field of energy economics;
- The polycrisis and the energy transition;
- Exotic energy technologies such as cold fusion or zero point energy and quantum credit;
- Distributional inequities and cross-subsidization;
- Nonlinear dynamics and energy aspects of low-carbon development;
- Complexity economics and the energy transition: a discussion of interrelated topics.

Guest Editors

Prof. Dr. Maciej Dzikuć

Prof. Dr. Aleksander Jakimowicz

Prof. Dr. Second Bwanakare

Deadline for manuscript submissions

28 November 2025

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/243446

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