Special Issue

Environmental Footprint of Energy Production and Storage Systems Based on Renewable Energy Sources

Message from the Guest Editor

Dear colleagues. The proposed Special Issue will try to unify a series of research papers that discuss the various aspects of RETS systems concerning the use of circular economy principles in examining the sustainability of RETS and register the currently available and developing techniques in the manufacturing and recycling of RETS. More specifically, potential topics include, but are not limited to, the following: The currently available and developing techniques in the manufacturing and recycling of RETS; The current environmental impact of RETS across the whole life cycle and cradle-to-cradle thinking; The current strengths and weaknesses of the EU economy (industry, infrastructure, policy framework) for dealing with the lifecycle of RETS; Public policies to ensure truly circular lifecycles of RETS and opportunities for growth and jobs in the EU.

Guest Editor

Dr. Costas Elmasides

Laboratory of Energy Production Technology from Non-Conventional Sources, Department of Environmental Engineering, Democritus University of Thrace, GR-67100 Xanthi, Greece

Deadline for manuscript submissions

31 October 2025



Energies

an Open Access Journal by MDPI

Impact Factor 3.2 CiteScore 7.3



mdpi.com/si/189023

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



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)

