

Special Issue

Selected Papers from the SDEWES 2024 Conference on Sustainable Development of Energy, Water and Environment Systems

Message from the Guest Editors

In the last few decades, the integration and improvement in the energy efficiency of several sectors regarding electricity, heating, cooling, transport, water, buildings, waste, wastewater, industry, forestry and agriculture systems have become more and more pivotal. In this framework, the SDEWES Conferences have become a significant platform for researchers in those areas to meet, discuss, share and disseminate new ideas. This Special Issue (SI) aims to provide an important contribution by presenting the state of the art in sustainable energy supply solutions, ranging from the technical analyses of energy components on both the supply and demand sides to energy scenarios and pathways. This SI particularly welcomes SDEWES papers that address energy systems without traditional sector boundaries between electricity, heating, cooling, transportation and industrial demands and that consider the integration and synergies between these sectors. The 19th SDEWES Conference was held on 8–12 September in Rome (Italy). The 4th LASDEWES was held on 14–17 January 2024 in Vina del Mar, Chile. The 2nd APSDEWES was held on 02–05 April 2024 in the Gold Coast, Australia.

Guest Editors

Prof. Dr. Francesco Calise

Prof. Dr. Qiuwang Wang

Dr. Maria Vicidomini

Prof. Dr. Wenxiao Chu

Prof. Dr. Poul Alberg Østergaard

Deadline for manuscript submissions

closed (31 March 2025)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/217221

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)