

Special Issue

Energy Management Strategies (EMSs) Based on Energy Storage Systems (ESSs)



Message from the Guest Editors

The topics of interest in this Special Issue include the efficient implementation of ESSs for intelligent and flexible energy management strategies (EMSs) concerning dynamic heterogeneous complex systems; the aging, maintenance, and operability of ESSs; model-based optimization methods for the siting, sizing, and selection of ESSs while incorporating market prices and operating parameters; and model predictive EMSs.

- energy storage systems
- electrical, chemical, thermochemical storage
- energy management strategies
- modeling and control
- model predictive optimization
- lifetime and aging of ESSs
- micro/smart grids
- renewable generation

Guest Editors

Dr. Spyros Voutetakis

Chemical Process and Energy Resources Institute, Centre for Research and Technology Hellas, 57001 Thessaloniki, Greece

Prof. Dr. Simira Papadopoulou

Department of Industrial Engineering and Management, International Hellenic University, 57001 Thessaloniki, Greece

Deadline for manuscript submissions

closed (1 March 2023)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/84522

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)