

Special Issue

Overview of Battery Energy Storage System Advancement for Renewable Energy Applications

Message from the Guest Editors

This Special Issue aims to collect research articles devoted to the design, operation, optimization, and application of battery storage systems providing for the better integration of renewable energy sources into power systems. As the , we are pleased to invite you to submit your relevant research results that will be considered for publication in this *Energies* Special Issue on “Overview of Battery Energy Storage System Advancement for Renewable Energy Applications”. The topics to be addressed in the Special Issue include (but are not limited to):

- Battery storage technologies in power systems;
- Modelling of battery storage systems;
- Hybrid power systems with battery storage;
- Vehicle to grid;
- Power electronics for batteries;
- Microgrids;
- Lifecycle analysis of battery storage systems;
- Influence of batteries on the environment;
- Recycling of batteries.

Guest Editors

Prof. Dr. Danijel Topić

Faculty of Electrical Engineering, Computer Science and Information Technology, Osijek, Croatia

Dr. Goran Knežević

J. J. Strossmayer University of Osijek, Faculty of Electrical Engineering, Computer Science and Information Technology Osijek, K. Trpimira 2B, 31000 Osijek, Croatia

Deadline for manuscript submissions

closed (15 December 2022)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/102055

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)