

Special Issue

Lithium Batteries for Vehicular Applications

Message from the Guest Editor

Lithium batteries in recent years have become a de-facto standard for installation on board electric and hybrid vehicles. However, manufacturers sometimes do not give all the needed information, and therefore it is not easy to select the proper lithium-based technology to be used. Additionally, batteries installed on board vehicles have a BMS (Battery Management System), which normally includes methods to correctly achieve battery SOC (State-Of-Charge) and SOH (State-Of-Health). Therefore, a numerical battery model with related algorithms is needed. This Special Issue seeks to address the lack of knowledge around these themes by inviting papers on experimental tests verification and design of algorithms specifically oriented to improve the use of batteries in vehicular applications. Special Issue webpage: [Lithium Batteries for Vehicular Applications](#)

Guest Editor

Prof. Dr. Giovanni Lutzemberger

Department of Energy, Systems, Territory and Constructions, University of Pisa, 56122 Pisa, Italy

Deadline for manuscript submissions

closed (31 December 2022)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/43835

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)