



an Open Access Journal by MDPI

Recent Advances in Lithium-Ion Battery Safety and Aging Issues for Electric Vehicles

Guest Editors:

Dr. Xueyuan Wang

School of Automotive Studies,
Tongji University, Shanghai,
China

Dr. Jinhao Meng

School of Electrical Engineering,
Xi'an Jiaotong University, Xi'an
710049, China

Dr. Xiangdong Kong

School of Vehicle and Mobility,
Tsinghua University, Beijing,
China

Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

The continuous development of automobile electrification is of great significance to achieve carbon neutrality in the transportation field. Recently, the development of high-energy-density, large-scale, and fast charging of automotive power batteries has increased people's concerns about battery safety and aging. These two issues have been crucial to the normal use of electric vehicles under complex working conditions for several years. Additionally, retired batteries have become the focus of academic and industrial attention, and it is becoming an increasingly important topic to evaluate their safety and aging state to determine their residual values.

This Special Issue is a dedicated outlet for novel and original research on all aspects of recent advances in lithium-ion battery safety and aging issues for electric vehicles, including experiment, characterization, mechanism, modeling, algorithm, system, etc. In particular, we invite papers focusing on the gap between basic research and practical application to accelerate EV development.



mdpi.com/si/140583

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Joeri Van Mierlo

MOBI—Electromobility Research
Centre, Department of Electrical
Engineering and Energy
Technology, Faculty of
Engineering Sciences, Vrije
Universiteit Brussel, 1050 Brussel,
Belgium

Message from the Editor-in-Chief

The *World Electric Vehicle Journal* is the official journal of World Electric Vehicle Association (WEVA) and its members the European Association for Electromobility (AVERE), the Electric Drive Transportation Association (EDTA), and the Electric Vehicle Association of Asia Pacific (EVAAP). Since its foundation in 2007, the journal aims to provide a publishing platform for the academic and industrial world to share the latest developments and knowledge about electric vehicles. If you are developing Electric, Plug-in Hybrid, Hybrid Electric, or Fuel Cell Vehicles, we cordially invite you to consider us as the place for you to publish your latest results and innovations.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [Ei Compindex](#), and [other databases](#).

Journal Rank: CiteScore - Q2 (*Automotive Engineering*)

Contact Us

World Electric Vehicle Journal
Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/wevj
wevj@mdpi.com