

Special Issue

Battery Aging Diagnosis and Prognosis

Message from the Guest Editor

Batteries have become vital in our tech-driven world, powering everything from portable electronics and electrical vehicles to massive grid storage systems. Yet, as they become more common, the challenge of battery aging becomes more urgent. This Special Issue is devoted to exploring the multifaceted aspects of battery lifespan and degradation. It seeks to explore the underlying mechanisms of aging, showcase advanced diagnostic methodologies, and reveal predictive techniques that can anticipate a battery's future health trajectory. By emphasizing both diagnostic and prognostic methodologies, this Special Issue aims to bring forth innovative strategies that extend the lifespan of batteries, and enhance their safety and efficiency. By considering research with various practical applications, it aims to present a comprehensive overview that could shape the next wave of advancements in battery technology and management.

Guest Editor

Dr. Xiaolei Bian

Department of Electrical Engineering, Chalmers University of Technology, 41296 Gothenburg, Sweden

Deadline for manuscript submissions

closed (20 April 2024)



Batteries

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 6.6



mdpi.com/si/189267

Batteries
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
batteries@mdpi.com

[mdpi.com/journal/
batteries](https://mdpi.com/journal/batteries)





Batteries

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 6.6



[mdpi.com/journal/
batteries](https://mdpi.com/journal/batteries)



About the Journal

Message from the Editor-in-Chief

Take the opportunity to publish your original scientific work or a review paper concerning battery materials, battery technology or battery application within this new open access journal. Along with material science, the journal also addresses engineering and multidisciplinary research topics, such as cell and system design or storage system integration. Publishing proffers visibility for the benefit of other experts and facilitates discussion of the research results within the field. You are invited to publish your work, read published papers and to participate in topical discussions.

Editor-in-Chief

Prof. Dr. Karim Zaghib

Department of Chemical and Materials Engineering, Concordia
University, Montréal, QC H3G 1M8, Canada

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), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Electrochemistry) / CiteScore - Q1 (Electrical and Electronic Engineering)