

## Special Issue

# Electrolytes for Solid State Batteries

### Message from the Guest Editors

We are organizing a Special Issue on “[Electrolytes for Solid State Batteries](#)” in *Batteries* (ISSN: 2313-0105).

This Special Issue will present papers addressing the original and innovative papers as well as reviews and opinion pieces relevant to electrolyte and electrolyte surface for all kinds of solid-state batteries. Potential topics include (but are not limited to):

- Quasi/all-solid polymer electrolytes;
- Inorganic solid electrolytes (such as oxides, sulfides, halides, etc.);
- Hybrid solid electrolytes;
- Eutectogel electrolytes;
- In situ fabricated solid-state electrolytes;
- Interfacial design and evolution;
- Ion-conductive mechanisms;
- Solid-state batteries (such as lithium, sodium, etc.);
- Safety evaluation;
- Characterization techniques and theoretical computations/simulations of electrolytes and batteries;
- Materials Genome Initiative, artificial intelligence (AI) and machine learning (ML) of solid electrolytes and batteries. In view of your international standing as a research scientist, we cordially invite you and your colleagues to contribute a manuscript. The deadline is set as **10 August 2023**.

### Guest Editors

Dr. Fu Sun

Qingdao Institute of Bioenergy and Bioprocess Technology, Chinese Academy of Sciences, No. 189 Songling Road, Qingdao 266101, China

Dr. Dengfeng Yu

State Key Laboratory of New Ceramics and Fine Processing, School of Materials Science and Engineering, Tsinghua University, Beijing 100084, China

### Deadline for manuscript submissions

closed (23 February 2024)



## Batteries

an Open Access Journal  
by MDPI

Impact Factor 4.8  
CiteScore 6.6



[mdpi.com/si/134335](https://mdpi.com/si/134335)

*Batteries*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[batteries@mdpi.com](mailto: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)