

## Special Issue

# Sustainability for EV Batteries and Battery Materials: Optimization, Second-use, and Recycling

### Message from the Guest Editors

We are organizing this Special Issue with the goal of finding sustainable solutions for EV batteries. The Special Issue will publish high-quality full research articles and reviews addressing the above topics.

Potential topics include, but are not limited to, the following research areas:

- Lithium-ion battery lifespan management.
- Lithium-ion battery second-use (reuse).
- Lithium-ion battery recycling.
- Degradation mechanisms and characterization methods.
- State of health (SoH) estimation, lifetime diagnosis, and prognosis methods.
- Experimental techniques for testing and characterization.
- Controllable synthesis of electrode materials.
- Structural design and regulation of commercial batteries.
- Enrichment methods of lithium, cobalt, nickel, etc. from failed batteries.
- Purification methods of the above valuable elements.

---

### Guest Editors

Dr. Jiangong Zhu

Prof. Dr. Weibo Hua

Dr. Guiying Tian

---

### Deadline for manuscript submissions

closed (31 December 2022)



**Sustainability**

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.3**  
**CiteScore 7.7**



[mdpi.com/si/104765](https://mdpi.com/si/104765)

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

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





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



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



## About the Journal

### Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

---

### Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario  
Institute of Technology, Oshawa, ON L1G 0C5, 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 and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1  
(Geography, Planning and Development)