



*batteries*



an Open Access Journal by MDPI

## Circular Economy of Batteries Production and Recycling

Guest Editors:

**Dr. Burçak Ebin**

Department of Chemistry and  
Chemical Engineering, Industrial  
Materials Recycling, Chalmers  
University of Technology,  
Kemivägen 4, 412 96 Göteborg,  
Sweden

**Dr. Martina Petranikova**

Department of Chemistry and  
Chemical Engineering, Industrial  
Materials Recycling, Chalmers  
University of Technology,  
Kemivägen 4, 412 96 Göteborg,  
Sweden

### Message from the Guest Editors

The supply and management of energy are at the center of our daily concerns and represent a socio-economic priority. Energy storage devices will increasingly be needed, not only for portable electronic device usage, but also for electrical vehicle fleets and renewable energy applications. Battery systems should store surplus electricity from the smart grid for hours, days, and even weeks, if necessary, because electricity generation from renewable sources fluctuates with weather conditions. Likewise, the replacement of internal combustion cars by electric vehicles to reduce the carbon dioxide emissions and to limit our dependence towards fossil fuels stimulate the search for energy storage devices including batteries, fuel cells, electrolysis for hydrogen production, pumped-storage power plants, etc...

Deadline for manuscript  
submissions:

**closed (31 January 2019)**



[mdpi.com/si/16941](https://mdpi.com/si/16941)

**Special** Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Andreas Jossen**

Institute for Electrical Energy  
Storage Technology (EES),  
Technical University München  
(TUM), Arcisstrasse 21, 80333  
Munich, Germany

## 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.

## 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](#), [CAPus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Electrochemistry*) / CiteScore - Q2 (*Electrochemistry*)

## Contact Us

---

Batteries Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/batteries](http://mdpi.com/journal/batteries)  
[batteries@mdpi.com](mailto:batteries@mdpi.com)  
[X@batteriesmdpi](#)