



## Materials for Multivalent Batteries

Guest Editors:

**Dr. Claire Xiong**

Department of Materials Science  
and Engineering, Boise State  
University, Boise, ID 83725, USA

**Prof. Dr. Sean Li**

School of Materials Science and  
Engineering, University of New  
South Wales (UNSW), Sydney,  
NSW 2052, Australia

**Dr. Wu Xu**

Pacific Northwest National  
Laboratory, Energy and  
Environment Directorate,  
Richland, WA 99352, USA

Deadline for manuscript  
submissions:

**closed (31 July 2023)**

### Message from the Guest Editors

Increasing demands in consumer electronics, electrified transportation, and renewable energy power grids have spurred the search for “beyond Li-ion” technologies that can provide increased energy and power density, improved safety, low cost, long life, and sustainability. Among the systems being explored, multivalent (MV) batteries (e.g., Zn, Mg, Al, etc.) are promising to overcome the aforementioned limitations. The present Special Issue solicits manuscripts in the following areas, but not limited to:

- Cathode materials for MV batteries (e.g., Mg, Ca, Al, Zn)
- Redox flow batteries
- Ion transport in MV battery electrolytes
- Solid electrolyte interface/interphase
- Stability of MV metals
- Advanced characterizations
- Modeling of MV batteries





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### **Prof. Dr. Thomas J. Schmidt**

Institute of Pharmaceutical  
Biology and Phytochemistry,  
University of Münster,  
Corrensstrasse 48, D-48149  
Münster, Germany

## Message from the Editor-in-Chief

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*Molecules* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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