

## Special Issue

# Emerging Technologies and Electrode Materials for Metal Batteries

### Message from the Guest Editor

In today's world, humanity is facing the critical issues of the increasing depletion of fossil energy sources and the growing demand for sustainable energy sources, thus driving research into low-cost, environmentally friendly and high-performance energy conversion and storage systems. The form of energy development determines the future survival of human beings. The development of rechargeable batteries is a powerful measure to implement the strategy of "carbon peak, carbon neutral". This Special Issue focuses on current developments in rechargeable batteries, such as non-aqueous batteries, aqueous batteries, solid-state batteries, monovalent-ion batteries, and multivalent-ion batteries. Potential topics include, but are not limited to:

- electrode and electrolyte materials;
- electrode/electrolyte interfaces;
- characterization techniques and electrochemical measurements;
- battery configuration design;
- battery recycling technologies;
- pre-metallization/in situ polymerization strategies.

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### Guest Editor

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### Deadline for manuscript submissions

closed (24 February 2023)



## Batteries

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## 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.

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### Editor-in-Chief

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