

Special Issue on
Trends and Prospects in Zinc Based Energy Storage

CALL FOR PAPERS

The search for affordable energy storage is ongoing. Despite the age of zinc-based batteries, researchers continue to recognize their relevance. This special issue aims to explore emerging trends and potential advancements in zinc-based batteries. Focusing on progress in materials science, electrochemistry, and energy storage technologies, the research delves into recent innovations such as zinc-air, zinc-ion batteries, and supercapacitors.

By addressing challenges such as cost-effectiveness, scalability, and environmental sustainability, the study aims to uncover insights into the diverse applications of zinc-based batteries in fields such as portable electronics, electric vehicles, and grid energy storage. Through thorough analysis and experimentation, our research aims to contribute to enhancing the performance and viability of zinc-based battery technologies for future energy storage solutions.

The Special Issue welcomes original research and review articles on various aspects of zinc-based batteries and supercapacitors, including new materials, applicable anode/cathode, electrolytes, polymer electrolytes, binders, catalysts, mechanical properties, electrolyte/electrode interface enhancements, and electrochemical working windows. In addition, we invite contributions focusing on the latest developments in electric vehicle applications.

Potential topics include but are not limited to the following:

- ▶ Zinc batteries
- ▶ Zinc-air batteries
- ▶ Zinc-ion batteries
- ▶ Supercapacitors
- ▶ Catalysts
- ▶ Polymer electrolytes
- ▶ Anode/Cathode
- ▶ Binder
- ▶ Characterization
- ▶ Electric vehicles

Authors can submit their manuscripts through the Manuscript Tracking System at <https://review.wiley.com/submit?specialIssue=522767>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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