

# Special Issue

## Advances in Sustainable Battery Materials and Electrochemical Storage

### Message from the Guest Editors

The growing demand for energy places increasingly stringent requirements on electrochemical energy storage technologies. This Special Issue focuses on the latest research advances in battery materials and storage mechanisms, aiming to compile research on innovative achievements in high-performance electrode materials, novel electrolytes, interfacial regulation, and advanced characterization techniques. We welcome discussions on lithium-ion batteries, sodium/potassium-ion batteries, solid-state batteries, and metal-air batteries. This Special Issue seeks to collate research on cutting-edge insights, advance the development of more efficient, safe, and sustainable energy storage solutions, and provide a high-quality platform for researchers in academia and industry to stimulate innovative thinking and address future energy challenges.

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### Guest Editors

Dr. Ying-De Huang

Dr. Zhouliang Tan

Dr. Pengpeng Zhang

Dr. Chenyang Shi



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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

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## Editor-in-Chief

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