

Special Issue

Energy Storage and Conversion: Next-Generation Battery Technology

Message from the Guest Editors

This Special Issue aims to bring together cutting-edge research exploring the advancement of next-generation battery technologies through experimental, computational, and interdisciplinary approaches. Studies focusing on novel modeling frameworks, material innovations, system optimization, and sustainable practices are particularly encouraged. Topics of interest include, but are not limited to, the following:

- Advanced battery materials;
- Battery resource recovery and recycling;
- Battery interfacial chemistry and reaction mechanisms;
- Novel electrolytes and electrode design;
- High-efficiency energy storage and conversion technologies;
- Green manufacturing and environmentally friendly battery processes.

Guest Editors

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Editor-in-Chief

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