

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

Dr. Tianyu Zhao

Dr. Wenjuan Zhang

Dr. Wenqing Zhao

Deadline for manuscript submissions

1 November 2025



Processes

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CiteScore 5.5



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Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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