Special Issue

In Situ Polymerized Solid Electrolytes and Their Applications in Energy Storage

Message from the Guest Editor

This Special Issue, "In Situ Polymerized Solid Electrolytes and Their Applications in Energy Storage", is a dedicated forum for researchers and scientists to showcase their groundbreaking work in the field of solid polymer electrolytes. We invite original research articles, review articles, and perspectives that address, but are not limited to, the following topics:

- Novel in situ polymerization methods for solid electrolytes.
- Characterization techniques for evaluating the properties of in situ polymerized electrolytes.
- Theoretical studies on the polymerization mechanisms and ion transport in these materials.
- Applications of in situ polymerized solid electrolytes in energy storage devices.
- Comparative studies with other solid electrolyte materials.
- Challenges and strategies for the commercialization of in situ polymerized solid electrolytes.

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2025)

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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