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# Solid Electrolytes for All-Solid-State Batteries: Recent Progress and Future Perspectives

Guest Editor:

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Deadline for manuscript submissions:

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## **Message from the Guest Editor**

Dear Colleagues,

The organic electrolytes used in Li-ion batteries have sometimes caused safety issues such as fire hazards and electrolyte leakage. Therefore, less flammable solid electrolytes and all-solid-state batteries have been intensively researched; this Special Issue, therefore, focuses on these two technologies.

The fundamental and practical research in this issue will cover solid electrolytes (i.e., ceramic electrolytes, polymer electrolytes, and ceramic–polymer composite electrolytes) and all-solid-state batteries. The scope is not limited to novel materials; research on synthetic and characterization techniques, as well as theoretical research, is also welcome.

We invite submissions in the following areas:

- Ceramic electrolytes;
- Polymer electrolytes;
- Composite electrolytes;
- Ion conduction mechanism;
- Novel synthetic techniques;
- Novel characterization techniques;
- All-solid-state batteries.

Prof. Dr. Masashi Kotobuki Guest Editor











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