



## Polymers for Electronic Energy Storage Applications

Guest Editor:

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Deadline for manuscript submissions:

**closed (29 February 2024)**

### Message from the Guest Editor

Dear Colleagues,

Due to their numerous advantages, including their low cost, easy processability, and structure tunability, polymeric materials have been widely applied to all aspects of energy storage applications. Generally, researchers focus on these specific fields and beyond: 1) developing redox-active polymers for advanced electrode materials for rechargeable ion batteries because of their structural diversity and flexibility, surface functionalities and tenability, and low cost; 2) enhancing the ionic conductivity of polymer solid or gel electrolytes while maintaining mechanical properties; 3) optimizing the polymer binder which affects the bonding between components, as well as mechanical properties and electrochemical performance of the electrode; 4) improving mechanical robustness, regulating ion and mass transport, and retarding flammability for polymer-based battery separators.

This Special Issue in *Polymers* aims to collect original research papers, review papers, or short communications that discuss related aspects in the field of polymeric electrodes, electrolytes, separators for supercapacitors, batteries, fuel cells, etc.





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## Message from the Editor-in-Chief

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I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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