

Special Issue

Sustainable Polymers for Energy Storage and Delivery

Message from the Guest Editors

This Special Issue will explore cutting-edge advances in polymer science that drive the development of next-generation energy storage and delivery technologies. Polymeric materials are central to enabling safe, high-performance electrochemical systems, serving as solid or gel electrolytes, ion-transport membranes, redox-active components, flexible substrates, binders, encapsulants, and multifunctional interfaces across batteries, supercapacitors, fuel cells, and hybrid devices.

A core focus of this Special Issue is sustainable, green polymer systems, including biodegradable, bio-derived, recyclable, and low-carbon footprint materials engineered for electrochemical applications. We welcome contributions on eco-friendly synthesis routes, circular-materials design, and polymer architectures developed with long-term environmental compatibility in mind.

The goal is to collect transformative research that demonstrates how polymer innovation—solid, soft, green, printable, or liquid-state—can redefine the landscape of safe, flexible, high-performance, and sustainable energy storage and delivery systems.

Guest Editors

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

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.

Editor-in-Chief

Prof. Dr. Alexander Böker

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