

Special Issue

Functional Polymers in Energy Conversion, Management, and Storage

Message from the Guest Editors

The scope of this Special Issue encompasses a wide range of topics related to functional polymers in the energy sector, including but not limited to:

- ❏❏ Solar energy conversion: emphasizing novel approaches in solar cell technology, interfacial evaporation, and advancements in solar energy harvesting using functional polymers;
- ❏❏ Mechanical energy harvesting: highlighting advancements in the field of mechanical energy capture, including friction-based nanogenerators and other polymer-based devices for energy harvesting;
- ❏❏ Functional polymers in LED technology: addressing the role of polymers in light-emitting diodes (LEDs) for energy-efficient lighting solutions;
- ❏❏ Polymer composite materials for thermal management: exploring innovative polymers and composites for efficient thermal management in electronic devices, aerospace, and MEMS;
- ❏❏ Energy storage batteries: investigating the development and optimization of energy storage technologies, with a focus on lithium-ion batteries and other promising systems employing functional polymers.

Guest Editors

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Deadline for manuscript submissions

closed (25 August 2024)



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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 4.7.

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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