

Special Issue

Polymer Films in Photovoltaic Devices: Modification Towards Higher Efficiency and Stability

Message from the Guest Editor

The commercialization of next-generation photovoltaics—including organic and perovskite solar cells—critically depends on enhancing both device efficiency and long-term stability. Polymer films are central to this effort, serving as active, interfacial, and protective layers. This Special Issue focuses on advanced polymer films and their modifications to overcome performance and stability barriers in photovoltaic devices. We invite contributions on the design, synthesis, processing, and characterization of novel polymeric materials that push the boundaries of solar energy conversion. Topics of interest include, but are not limited to, the following:

- Novel polymer syntheses for absorbers and transport layers.
- Engineering film morphology and interfaces for improved charge dynamics.
- Strategies to enhance environmental and operational stability.
- Advanced characterization of degradation mechanisms.
- Multifunctional polymer composites and nano-hybrids.

We welcome original research and reviews that provide new insights into creating more efficient and durable polymer-based photovoltaics.

Guest Editor

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About the Journal

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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