

Special Issue

Recent Advances in Polymer-Based Thermoelectric Materials

Message from the Guest Editor

This Special Issue delivers an in-depth survey of synthesis strategies, structure–property relationships, device architectures, and system-integration approaches for polymer thermoelectrics. By harnessing mechanical flexibility, low cost, and solution-processability, these materials offer a scalable route to convert low-grade heat into electricity. The remaining hurdles include ensuring long-term stability under thermal cycling, scaling up film-deposition methods, and suppressing thermal conductivity without degrading electrical performance. By charting pathways to all-polymer modules, green synthesis routes, and integrated energy-harvesting systems, this collection equips materials scientists, electronic engineers, and energy-conversion practitioners with the insights needed to propel the field forward.

Guest Editor

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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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