

Special Issue

Graphene-Based Polymers: From Synthesis to Applications

Message from the Guest Editor

The integration of graphene with its unique electronic structure into polymer architectures has enabled generation of novel materials and surfaces with enhanced performance in various fields of application. The excellent properties of ultrathin graphene, from large thermal conductivity to exceptional mechanical strength and electrochemical properties, combined with its high specific surface area allow to provide potential solutions for many technological challenges. Topics of interest for this Special Issue include graphene-based multifunctional polymers and nanocomposites for chemical, biomedical and environmental applications, graphene/polymer hydrogels and aerogels, graphene-based sensors for monitoring of structural integrity and human health, nano-engineered lightweight polymer materials and structures for aerospace applications. Original research articles addressing both experimental and theoretical aspects, and reviews describing the current state-of-the-art are welcome.

Guest Editor

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Deadline for manuscript submissions

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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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