Special Issue

Polymeric Materials Based on Graphene Derivatives and Composites

Message from the Guest Editor

Today, graphene, its compounds, and derivatives such as graphene oxide, reduced graphene, graphite, or ceramic, polymeric, and nanoparticle hybrids are generating enormous interest in the polymer field, although their practical applicability in polymers requires a deep understanding of their potential. This Special Issue invites original papers and reviews reporting on progress in the following areas:

- Fabrication methods as polymer-based nanoparticles, polymer fibers, polymer scaffolds, polymer coatings, polymer films, or polymer bulk composites.
- Surface modifications by chemical approach, laser, ion, electron, neutron beams, and X-ray irradiation of polymer–graphene systems.
- Study of the chemical, electrical, thermal, and magnetic properties of polymer–graphene composites.
- Applications such as patterning for lab-on-a-chip systems in polymer devices, the creation of nanoscale circuits in polymer-based electronics for wearable devices, water purification using polymer-based materials with graphene, antibacterial polymer materials, targeted release systems for drug delivery in polymer carriers, polymer-based biomarkers, enhancement of bioimaging in polymer systems.

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 4.9.

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

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