Special Issue

Structure–Property Relationships of Multi-Functional Polymer Composites

Message from the Guest Editors

Polymer (Nano)composites are revolutionizing material science by bridging the gap between functional versatility and structural function. Material structure–property relationships form the foundation of polymer composite design, enabling the creation of materials with tailored functionalities. This Special Issue invites the original research and review papers, including (but not limited to) the following:

- Nanofiller Polymer Composites: Hybrid graphene composites, bio-based nanoparticles, etc;
- Structural Design on Polymer Composites: Bio-inspired structure, novel three-dimensional structure, etc;
- Advanced Fabrication Processes: Multi-material additive manufacturing, etc;
- Multi-Functional Polymer Composites: Tailored functionalities on thermal properties, dielectric properties, mechanical properties, etc;
- Structure-Property Relationships: Tailored functionalities from structure to property on nano-scale to macro-scale performance of polymer composites;
- Sustainability of Polymer (Nano)Composites: Eco-friendly nanofillers, bio-based polymers, etc.

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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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