

Special Issue

Advances in Functional Polymer Nanocomposites

Message from the Guest Editor

This Special Issue is contributing to one of the most promising fields of nanoscience and nanotechnology. The novel concept of advances in functional polymer nanocomposites can be applied to a wide range of science and technology areas from materials to bioscience. Depending on the application, the chemical composition of functional polymer nanocomposites can be used to tailor the physical, mechanical and thermal properties. The functionalities of polymer composites can also be manipulated to fabricate novel polymer nanocomposites. Hence, the addition or encapsulation of functional nanomaterials like CNT, graphene and clay can produce highly sophisticated functional nanocomposites for high-end applications. This Special Issue focuses on functional polymeric and polymer nanocomposite materials for structural, electroconductive, pressure sensing, gas sensing and catalytical conversion applications and aims to demonstrate researchers' ability to design, synthesize and manufacture functional polymer-based nanomaterials that focus the future challenges in various field.

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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