Special Issue

Polymer Nanocomposites with Improved Mechanical, Thermal, Electrical and Barrier Properties

Message from the Guest Editors

Since the first work of the Toyota research group in the early 1990s, polymer nanocomposites have been continuously developed with increasingly innovative results. Due to their outstanding properties, polymer nanocomposites have garnered considerable academic and industrial attention in recent decades. In recent decades, polymer nanocomposites have garnered considerable attention from both academics and industrialists. This special group of polymeric materials have been prepared with different polymer matrices (thermoplastics, thermosets, and elastomers) and various nanoparticles, such as carbon nanotubes, graphene, and layered nanoclays, as well as metallic and polymeric nanoparticles. The main objective of this Special Issue is to collect recent advances in polymer nanocomposites with improved mechanical and thermal properties in order to extend their field of application and their use under more severe conditions. The use of new combinations of modifiers leading to synergistic effects as well as the simulation of properties is also within the scope of this Special Issue.

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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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