Special Issue

Structure, Properties and Applications of Polymer-Based Nanocomposites

Message from the Guest Editors

Polymer-based nanocomposites are attracting increasing interest from both scientific and engineering communities, with broad applications in various sectors like advanced electronics, robotics, aerospace, biomedical, and civil engineering. Numerous types of polymers and nanomaterials provide extensively large spaces for designing or tailoring nanocomposites with required performance in mechanics, electronics, thermal management, and others. This Special Issue aims to bring together the recent advances in theoretical, computational, and experimental advances in polymer-based nanocomposites, including innovative synthesis and processing techniques that have unique properties, novel nanofillers enhancing the performance of the polymer matrix, and efficient methods to simulate these complex systems. Novel applications of polymerbased nanocomposites are also welcomed.

Guest Editors

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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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