Special Issue

Properties and Characterization of Polymers in Nanomaterials

Message from the Guest Editors

Currently, polymers represent an essential part of materials that surround us. Nanoscale materials based on polymers are of particular interest for the creation of highly sensitive sensors, systems for biomedical applications, catalytic systems, stimulus-sensitive materials, photoactive materials, polymer binders, etc. Owing to their long-chain structure and the presence of a large number of localized functional groups, polymers are capable of both independently acting as nanoobjects in solutions or in the solid phase, serving as matrices for the distribution and stabilization of nanoparticles, or simply acting as an independent nanoporous material. The properties of such nanomaterials depend not only on the nature of the polymer component but also largely depend on size, as well as the distribution of the nanoscale fraction over the volume. The purpose of this issue is to collect original articles and reviews devoted to the study of the structure and properties of polymer nanomaterials.

Guest Editors

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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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