

Special Issue

Emerging Trends in Advanced Polymer Nanocomposites

Message from the Guest Editors

Research into polymer nanocomposites has recently attracted a great deal of interest due to the variety of applications they offer. Functionalized polymeric nanocomposites with carbon nanotubes, graphene oxide (GO)/reduced GO, 2D/3D layered structures, layered double hydroxides (LDHs), biomaterials, metal/covalent organic framework (MOF/COF), and metal oxides/nanoparticles are gaining much interest owing to their distinctive physical, chemical, structural, and interfacial properties, desirable for application. Therefore, advancements in polymer nanocomposites are crucial for researchers in all aspects of technique, design, development, and application in numerous domains. This Special Issue will emphasize the highlights in new research areas pertinent to the development of emerging functional polymeric nanocomposites with exploration for multi-applications in several domains, viz., coatings, flame-retardants, optical/photovoltaic devices, catalysis, photocatalysis, energy storage and electronic/bio-devices, sensors/biosensors, fuel cells, environmental remediation, membrane filters, bone/tissue-engineering, and drug delivery.

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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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