

Special Issue

Novel Nanoparticles and Their Enhanced Polymer Composites

Message from the Guest Editors

The addition of functional fillers into a polymer matrix has been extensively explored and used in many applications, such as electronics, medicine, aerospace, energy storage, sensors, etc. With the fast development of science and technology, novel particles and their composites with multiple functions have been invented to meet new requirements. Moreover, new manufacturing methods to prepare the particles and composites are also emerging. One challenge is to prepare high-performance or functional polymer composites with low filler content in an easy, scale-up approach. Another challenge is to endow the function into the composite efficiently and subtly through rational design of the particles or the particle distribution in the polymer matrix. This Special Issue aims to highlight the advances and cutting-edge technologies of particles and particle-reinforced functional polymer composites. In this Special Issue, original research articles and reviews are welcome.

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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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