Special Issue

Advances and Innovations in Polymer Composite Nanofibers

Message from the Guest Editors

Nanofibers have emerged as important fibrous materials due to their remarkable properties, which include a high aspect ratio and large specific surface area, mainly because of their micro-/nanodiameters. Moreover, non-woven fiber mats are highly porous and flexible. Nanofibers have shown potential for several applications, but each application has its own requirements related to the material's composition and desired properties. Therefore, studies need to be carried out to optimize the manufacturing process and customize properties. Nanofibers fabricated from polymer composites can significantly improve the properties of nanofibers or provide them with new functionalities and features. However, some challenges may be present in the nanofiber manufacturing process, especially related to the dispersion of nanoparticles in the polymeric matrix and changes in rheological properties. In this context, this Special Issue aims to publish articles related to the fabrication, structure, properties, and applications of polymer composite nanofibers.

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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

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