Special Issue

Advances in Polymer Nanofibers

Message from the Guest Editors

Polymer nanofiber is a one-dimensional soft nanomaterial in nanometer scale, exhibiting unique physicochemical properties and characteristics, such as high surface-to-mass ratio, high porosity with excellent pore interconnectivity, flexibility with reasonable mechanical strength, and easiness to interact with other organic and inorganic materials. To date, the technologies on fiber formations with functional polymers, structural and morphological controls, and functionality incorporations by physical blending or chemical reactions have enabled advances in various fields in biomedical, energy, environmental, and electronic engineering by accompanying fundamental and applied experimental and theoretical studies. This Special Issue aims to focus on recent research and advances to create functional materials with polymer nanofibers achieving desirable physical/chemical properties for target applications. Topics possibly include fiber formations with novel functional polymers, fundamental science on fiber formations, post-processing to impart functionalities, composite fabrications, emerging biomedical, energy, environmental, and electronic applications, amongst many others.

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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 4.9.

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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