Special Issue

Recent Advances in Electrospun Polymer Nanofibers

Message from the Guest Editor

In recent years, electrospun polymer nanofibers have attracted great interest due to their unique properties, such as high surface-to-volume ratio, porosity, flexibility, and mechanical performance. The electrospinning technique enables the production of nanofibers with different compositions and morphologies, expanding their applications in various fields. In the healthcare sector, nanofibers have been used for controlled drug delivery, tissue engineering, and advanced wound dressings. In the environmental field, they are employed in water and air filtration. Additionally, electrospun nanofibers have shown potential in sensors and electronic devices. In the energy sector, they are used in batteries and solar cells, improving efficiency and storage capacity. Recent advances include the development of hybrid and multifunctional nanofibers, which combine different materials to optimize their properties and further expand their applications. Thus, the future outlook is promising, with the expectation that electrospun nanofibers will play a crucial role in technological innovation and in solving global challenges.

Guest Editor

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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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