

Special Issue

New Advances in Polymer Electrospun Fibers

Message from the Guest Editors

Electrospinning creates nanometer-to-micrometer polymer fibers. Electrospun fibers are now used in tissue engineering, drug delivery, and energy storage due to improvements in electrospinning. Electrospinning with multi-component polymer systems has produced fibers with customized characteristics. Combining polymers improves fiber mechanical strength, biocompatibility, and drug loading capacity. Functionalized electrospun fibers represent another advancement in this field. The addition of functional molecules such as enzymes or antibodies to fibers creates materials with specialized biological or chemical capabilities. Biosensors and drug delivery may use these functionalized fibers. Hybrid electrospinning polymer-metal or polymer-ceramic composites represent another advancement. These materials can be used for energy storage and catalysis. Finally, electrospinning involves advanced fiber alignment and orientation procedures. Fiber orientation can form anisotropic mechanical, electrical, and optical materials. Tissue engineering and electronics may use these materials.

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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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