Electrospun Polymer Nanofibers: Preparation, Design, and Characterization

Guest Editor:

Dr. Yinsong Si

National & Local Joint Engineering Research Center for Textile Fiber Materials and Processing Technology, College of Material Science and Engineering, Zhejiang Sci-Tech University, Hangzhou 310018, China

Deadline for manuscript submissions:
15 November 2024

Message from the Guest Editor

Dear Colleagues,

Electrospun polymer nanofibrous materials have shown broad application prospects; this includes but is not limited to, use in aerospace, wearable smart fabrics, and biomedical applications. The growing demand for these various applications motivates the development of the more advanced preparation, design, and characterization of electrospun polymer nanofibers and their fibrous aggregates. This Special Issue aims to report some of the pioneering work that is currently aiming to resolve the existing problems that hinder the practical applications of electrospun polymer nanofibers. Even a relatively small step forward in areas such as precise regulation, creating a green preparation method, or developing an appropriate application could inspire or stimulate a large number of researchers to raise electrospinning technology to new heights.

In general, research on all types of electrospinning polymer nanofibers, biomass nanofibers, and nanocomposites is invited by this Special Issue. The characterization of these materials from an innovative perspective in a way that refers to the various emerging applications is highly welcomed.

Special Issue

Editor-in-Chief

Prof. Dr. Alexander Böker
Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

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 5.0.

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.
Journal Rank: JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)

Contact Us