Special Issue

Preparation, Properties and Applications of Polymer Composite Nanofibers

Message from the Guest Editors

Polymer composite nanofibers are unique materials that have grown in popularity in recent years for a variety of applications. With advancements in nanofiber preparation techniques, such as electrospinning and template synthesis, precise control of the fiber size, morphology, and structure has become achievable. Depending on the type of polymer and the processing parameters, the size of composite nanofibers can range from several to hundreds of nanometers. The properties of these composites can be further improved through considered selection of the polymer matrix, reinforcing materials, and processing conditions. The resulting polymer composite nanofibers have remarkable properties. These properties, in turn, have led to numerous applications in various fields such as tissue engineering, filtration, energy storage devices, sensors, etc.

This Special Issue provides a comprehensive overview of the current knowledge and research on the manufacture, characteristics, and applications of polymer composite nanofibers, representing a valuable resource for researchers and practitioners in this field.

Guest Editors

Dr. Ziying Zhang

Dr. Yanwei Huang

Dr. Shisheng Xiong

Deadline for manuscript submissions

closed (15 June 2024)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/174752

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/journal/polymers

About the Journal

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
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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)

MDPI