

Special Issue

Tailored Electrospun Polymer Fibers: Innovation, Characterization, and Application Trends

Message from the Guest Editor

Electrospinning technology is gaining more attention for the flexible and large-scale production of fibers made from polymers due to its ability to precisely control the diameter size, surface characteristics, and other functionalities of the fibers. Advancements in these fibers allow the production of advanced drug delivery systems, their use in tissue engineering, and sophisticated wound healing techniques; furthermore, they are also applied in filtration, energy storage devices, and smart textiles.

This Special Issue aims to collect all the modern approaches and research studies on the synthesis and modification of polymeric fibers, particularly focusing on their mechanical, thermal, and biological behavior. We would especially appreciate the contributions outlining in vitro and in vivo outcomes, scaled-up development, and the incorporation of the products into biomedical or industrial devices. Submissions should focus on polymer-based electrospun systems from a scientific and engineering perspective.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2026)



Polymers

an Open Access Journal
by MDPI

Impact Factor 5.8
CiteScore 11.0
Indexed in PubMed



mdpi.com/si/248123

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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 5.8.

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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