Special Issue

Electrospinning Nanofibers

Message from the Guest Editor

Innovations in electrospinning techniques, including multi-jet and coaxial methods, have enabled the production of nanofibers with complex architectures and multifunctional properties. This issue covers a broad range of materials used for electrospinning, from natural and synthetic polymers to inorganic compounds, and highlights their roles in enhancing performance in diverse applications. Notably, electrospun nanofibers are making significant strides in biomedical fields, such as tissue engineering and drug delivery, by mimicking the extracellular matrix and facilitating the controlled release of therapeutic agents. They also show promise in environmental applications, including water filtration and air purification, as well as in energy technologies, where they contribute to the development of advanced batteries and solar cells. This Special Issue also addresses the future of electrospinning, discussing ongoing challenges and the potential for integrating electrospinning with other manufacturing techniques to further advance the field.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2025)

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About the Journal

Message from the Editor-in-Chief

Fibers is intended as an integrative platform, bringing together specialists with expertise concerning a large range of biological, synthetic, metallic and mineral fibers. The intent is to bring together scientists who would otherwise be unlikely to encounter each other's findings. By facilitating communication across specialties, the journal will advance understanding of the underlying commonality of many physical and chemical aspects of fibers.
We welcome submission of manuscripts from a diverse range of disciplines relating to many types of fibers utilizing a variety of research approaches.

Editor-in-Chief

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