

## Special Issue

# Electrospun Nanofibers: Current Advances and Future Perspective

### Message from the Guest Editors

The mechanism by which a viscoelastic fluid can be transformed into fibrous membranes under the influence of an electric field was first observed more than a century ago. Since then, many applications of this transformation have been considered, especially after the first electrospinning experiments were reported in the mid-1990s. To date, this technique has allowed the fabrication of fibrous membranes tailored from organic and inorganic precursors, such as polymers and ceramics. Current applications of the electro-spinning technique cover various industrial sectors, with a special emphasis on the areas of food, the environment and bioengineering. In this Special Issue, we welcome contributions aiming to address the current advances in and future perspectives of electrospun nanofibers. These advances should be applied to various industrial sectors including, but not limited to, the food, environment and bioengineering sectors. Research, covering the combination of natural/synthetic polymers combined with particles, molecules, biomolecules and nanoparticles, as well as aiming to enhance material functionality, is welcome.

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### Guest Editors

Dr. Camilo Zamora-Ledezma

Prof. Dr. Vicente M. Gómez-López

Dr. Patricia Navarro Martínez

Dr. Ezequiel Zamora-Ledezma

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### Deadline for manuscript submissions

closed (25 July 2025)



## Polymers

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*Polymers*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[polymers@mdpi.com](mailto:polymers@mdpi.com)

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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 4.9.

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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 14476 Potsdam-Golm, Germany

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