

## Special Issue

# Smart Polymeric Fibrous Materials

### Message from the Guest Editors

Nowadays, smart polymer-based composite materials have gained popularity in different fields, especially textile engineering, thanks to the unique properties and high-performance of composite materials in the development and promotion of smart materials to resolve complex issues in various applications including biosensors, hydrogels, nanocomposites, functional materials, phase change materials, smart coating, self-cleaning, moisture- and thermal-responsive polymer, etc.

Therefore, this Special Issue will cover recent trends in advanced intelligent polymer composite materials for potential textile topics including, but not limited to: structure, multiple functionalities nanomaterials, smart nanocoating textiles methodologies, mathematical modelling, implementing artificial intelligence methodologies, reinforced textile materials (in composites and polymer composites), synthesis, characterization, and promising smart applications of textile-based polymer composite materials in the textile field.

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### Guest Editors

Dr. Nesrine Amor

Dr. Michal Petrů

Dr. Muhammad Tayyab Noman

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### Deadline for manuscript submissions

closed (10 October 2022)



## Polymers

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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 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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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