



Smart Polymeric Fibrous Materials

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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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Message from the Editor-in-Chief

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