

# Special Issue

## Smart Coatings on Fibers and Textiles

### Message from the Guest Editor

Today, we know that nanotechnology has been considered extensively in fiber and textile engineering in order to perform new functionalities. Smart coatings can be performed on textile products through other methods, such as plasma and laser coatings, sol-gel techniques, magnetron sputter coating, layer-by-layer techniques and crosslinking using polymers. Several properties are demonstrated using these methods, such as antibacterial, superhydrophobic, fire retardant, self-cleaning, superhydrophilic, moth-proofing, electromagnetic shielding, and electrical conductivity. In this Special Issue, original research papers, as well as reviews, are welcome. The goal is to gather contributions on various aspects related to smart coatings, including preparation, analyses, industrial uses, as well as their potential toxicity to humans during their usage.

### Keywords

- surface grafting
- plasma and laser
- nanocomposites
- layer-by-layer
- sputter coating
- functionality
- toxicity.

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### Guest Editor

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### Deadline for manuscript submissions

closed (1 April 2019)



## Fibers

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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.

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### Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 23.1 days after submission; acceptance to publication is undertaken in 5.7 days (median values for papers published in this journal in the second half of 2025).