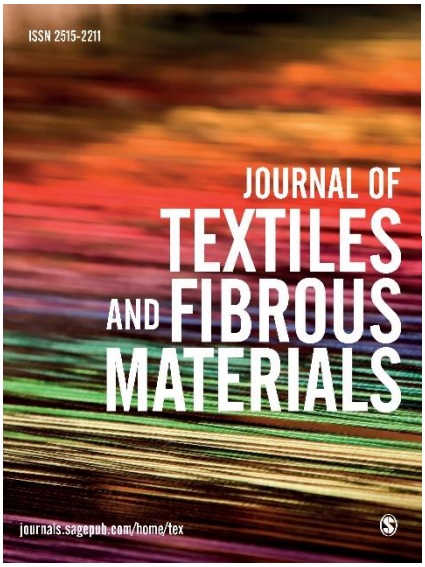
ADVANCED NANOFIBERS: PRODUCTION, CHARACTERIZATION, AND APPLICATIONS

SPECIAL COLLECTION: CALL FOR PAPERS



Guest Editors

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The importance of ultra-thin nanofibers has increased in recent decades following many technological developments. Due to their high surface to mass ratio, pore structure, and small pore size, polymeric nanofibers are an excellent candidate for many applications including; filtration, medical, cosmetics, pharmacy, sensor, electronic devices, composite reinforcement, and more. Techniques to produce nanofibres are still developing. Electrospinning is one of the most versatile methods used to produce nanofibers.

Challenges related to the fabrication of nanofibers still exist and need to be explored by taking into account the large scale production opportunities. Research institutes, universities and commercial companies have started to develop alternative methods to produce nanofibers to improve production rates and quality. Process parameters of production systems play a role in the outcome of the process in regards to productivity, repeatability, stability and defect free structure.

The purpose of this special issue is to publish high-quality research articles and reviews by combining experimental and theoretical methods on recent developments in the preparation, characterization, and application of novel nanomaterials, as well as their potential in future applications.

Potential topics include, but are not limited to, the following:

- Theoretical and Experimental Study on Electrospinning System
- Characterization of Nanofibers
- Application of Various Type of Nanomaterials
- Low-cost Fabrication of Nanofibers
- Recent Advances in Nanomaterials
- Advanced Composite Materials in Textiles

Manuscript Submission

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Submissions Deadline: 31st March 2018

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