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Electronically Active Textiles

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Deadline for manuscript submissions:
closed (31 December 2018)

Message from the Guest Editor

Dear Colleagues,

Since its invention, textile material has gone through many evolutions; initially, the focus was on enhancing aesthetic properties, such as colour, handle and comfort, of a textile, and, much later, especially during the last century, the focus has been on improving the functionality of a textile. This has led to the development of fabrics capable of stopping a bullet travelling at supersonic speeds, fire retardant fabrics and impact and cut resistant fabrics. All these functionalities have been achieved via chemical processes and advances in polymer science. Textiles are now going through a new evolution of integrating electrical systems and electronic devices.

Textiles are used to clothe our bodies because they are strong, soft, breathable, flexible and conformable. The introduction of electronic components has the potential to compromise some of these highly-desirable characteristics, however, the proper integration would result in introducing, for the first time, intelligence to textile materials.

Prof. Dr. Tilak Dias
Guest Editor

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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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