Special Issue

Polymer-Based Smart Fibers and Textiles

Message from the Guest Editor

With the help of advanced science and technology, such as polymer technology and microelectronics technology, the properties of traditional fibers are undergoing revolutionary changes: fibers are becoming thinner, more wear-resistant and more stretching-resistant, and, at the same time, they are being given electrical, optical, magnetic and information storage functions, so as to realize the fiber structure and the integration process of digital storage and data processing.

Smart fibers are fibers that can sense changes in the external environment or internal state and can respond to them. Intelligent textiles refer to a new type of textile that simulate living systems, have dual functions of perception and reaction and retain the inherent style and technical characteristics of textiles. Intelligent fibers and textiles have or have a number of the following intelligent functions and life characteristics: sensing function, feedback function, information recognition and accumulation function, response function, self-diagnosis ability, self-repair ability and adaptive ability.

Guest Editor

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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.

Editor-in-Chief

Prof. Dr. Alexander Böker
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