Special Issue

Advances in Shape Memory Polymers, Textiles and Fabrics

Message from the Guest Editor

Shape memory polymers (SMPs) are a type of smart material that can “remember” their original shape and return to it after being deformed. SMPs have a wide range of applications, including as biomedical devices, aerospace structures and consumer products. In textiles and fabrics, SMPs can be used to create smart clothing and wearable devices that change shape, colour, or texture in response to environmental stimuli. Other smart textiles incorporate electronic components or nanomaterials for sensing, communication and energy-harvesting capabilities. Shape memory polymers in textiles have broader scope, with potential applications in various industries including healthcare, apparel and fashion. Self-healing fabrics and structures, shape changing materials and customized shapes are just some of the possibilities offered by these materials. The field of shape memory polymers, textiles and fabrics is rapidly expanding, with new advances and applications being explored. These materials have the potential to revolutionize many industries and create new opportunities for innovation and growth.

Guest Editor

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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

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