

Special Issue

Shape-Memory Polymers for Multiple Applications in the Materials World

Message from the Guest Editors

Shape-memory polymers (SMPs), with their ability to recover from mechanical deformations through exposure to an external stimulus, have attracted widespread attention, and their technological significance has become apparent for multiple applications in the material world. Recent developments in SMP research not only included the synthesis of novel molecular architectures with tailored performance and novel functions such as self-healing, recyclability and weldability, but also enabled the design of complicated structures and prototypes using modern fabrication techniques. This Special Issue aims to exhibit cutting-edge research in the field of SMPs, including their high tech applications and the following overlapping topics:

- Smart multifunctional composites;
- Applications of SMPs;
- Four-dimensional printing of SMPs;
- Shape-memory vitrimers;
- Electrospinning of SMPs;
- Actuators and sensors.

Reviews and regular original papers are all welcome.

Guest Editors

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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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