Special Issue

Progress in Shape Memory Polymers

Message from the Guest Editor

Shape Memory Polymers (SMPs) possess the remarkable ability to retain temporary shapes and then revert to their original forms when triggered by external stimuli such as heat, pH variations, light, electric, and magnetic fields. The versatile nature of SMPs has led to their extensive utilization across various domains, including sensors, actuators, and biomedical devices, among others. Despite the considerable advancements in SMP research over the past decade, we believe that there remain unexplored and intriguing avenues in this field.

This Special Issue aims to present the state-of-the-art advancements, innovations, and breakthroughs in the realm of Shape Memory Polymers (SMPs). We welcome submissions of original research articles and reviews covering a wide range of topics, including but not limited to:

1.Advanced Material Design and Synthesis Techniques for SMPs;
2.Applications of SMPs in Biomedical Engineering, Aerospace, Robotics, and Beyond;
3.Sustainable Approaches and Eco-Friendly Alternatives in SMPs Research;
4.Novel Characterization Methods and Analytical Tools for Studying SMPs Behaviour;
5.Challenges and Future Directions in the Field of SMPs.

Guest Editor

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Deadline for manuscript submissions

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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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