Special Issue

Application of Shape Memory Polymers and Their Composites

Message from the Guest Editor

Shape memory polymers (SMPs) have broad potential applications in fields such as aerospace, medicine and health, industrial control, surface engineering, self-healing, 3D printing, etc., as they can maintain temporary shapes at room temperature and restore their original state when exposed to external stimuli. SMPs are expected to replace traditional shape memory alloys and ceramics (SMAs and SMCs, respectively) in certain fields and have become the most extensively studied shape memory materials. Unfortunately, despite the extensive literature on SMPs, their application in the real world, especially at the industrial scale, is still limited. In fact, large-scale applications have become one of the most serious weaknesses and a major challenge for their further development. Therefore, in this Special Issue, we would like to focus on applications of SMPS and their composite materials. Such a topic is valuable and interesting, and your enthusiastic participation is essential and warmly welcomed.

Guest Editor

Dr. Jun Zhao

CAS Key Laboratory of Nanosystem and Hierarchical Fabrication, CAS Center for Excellence in Nanoscience, National Center for Nanoscience and Technology, Beijing 100190, China

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Polymers
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

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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
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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