

## Special Issue

# Design and Manufacturing of Shape Memory Polymers and Active Structures

### Message from the Guest Editor

Shape-memory polymers (SMPs) are polymeric smart materials which have the ability to return from a fixed temporary shape to their original permanent shape upon induction by an external stimulus such as heat, light, electric or magnetic field, or solution. This Special Issue of *Polymers* will cover a broad range of research activities on the design and manufacturing of shape-memory polymers and active structures, including synthesis and characterization of SMPs, constitutive modelling of SMPs, design and manufacturing of active structures, and 4D printing with SMPs. In addition, review papers featuring progresses in a particular area are welcomed. This Special Issue aims to collect recent findings and comprehensive reviews from experts in this very active field of research and will hopefully be a useful source of information for researchers.

---

### Guest Editor

Prof. Dr. Qi Ge

Department of Mechanical and Energy Engineering, Southern University of Science and Technology, 1088 Xueyuan Avenue, Shenzhen 518055, China

---

### Deadline for manuscript submissions

closed (31 December 2019)



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/22191](https://mdpi.com/si/22191)

*Polymers*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[polymers@mdpi.com](mailto:polymers@mdpi.com)

[mdpi.com/journal/  
polymers](https://mdpi.com/journal/polymers)





# Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/journal/  
polymers](https://mdpi.com/journal/polymers)



## About the Journal

### 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

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)