

## Special Issue

# Shape Memory Polymers

### Message from the Guest Editors

Shape memory polymers (SMPs) are named because of their ability to memorize shapes through programming processes using external stimuli, including temperature, electricity, magnetic, water, and chemical agents. SMPs have a unique netpoint-switch structure, where their permanent shapes are determined by netpoints and reversible bonds in the amorphous region as a switch leads to a temporary shape. In the past 20 years, we have seen great achievements in the fields from various aspects, from polymer synthesis, materials fabrication, novel and multi functions, and effective structures to versatile applications. In this Special Issue, we welcome original and review articles on any topic, including materials design, fabrication, new functions, as well as applications. Prof. Dr. Jin-lian Hu

---

### Guest Editors

Prof. Dr. Jinlian Hu

Department of Biomedical Engineering, City University of Hong Kong, Hong Kong 999077, China

Assoc. Prof. Dr. Xueliang Xiao

School of Textiles and Clothing, Jiangnan University, Wuxi 214122, China

---

### Deadline for manuscript submissions

closed (31 October 2017)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/8033](https://mdpi.com/si/8033)

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

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

[appls](https://appls.mdpi.com)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### 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, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )