



*polymers*



an Open Access Journal by MDPI

## Smart Polymers and Their Aggregates in Biomedical Applications

Guest Editor:

**Dr. Xibo Yan**

School of Chemical Engineering  
and Technology, Tianjin  
University, Tianjin, China

Deadline for manuscript  
submissions:

**closed (25 December 2023)**

### Message from the Guest Editor

Dear Colleagues,

Smart polymers can undergo drastic changes in structures, properties, and functions in response to external stimuli or signals from the surrounding environment. Such unique behavior makes smart polymers or smart polymer-based materials as programmable practical platforms for a large range of biomedical applications.

This Special Issue will cover the recent development of smart polymers and intelligent polymeric materials ranging from delicate design, synthesis, and preparation to functional applications in biomedical fields. In addition, the theoretical study of programmable responsive behaviors of the polymer and polymeric materials are also encompassed.

Prof. Dr. Xibo Yan  
Guest Editor



[mdpi.com/si/120833](https://mdpi.com/si/120833)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Alexander Böker**

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

## 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 5.0.

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.

## 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 (*Polymers and Plastics*)

## Contact Us

---

*Polymers* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/polymers](http://mdpi.com/journal/polymers)  
[polymers@mdpi.com](mailto:polymers@mdpi.com)  
[X@Polymers\\_MDPI](https://twitter.com/Polymers_MDPI)