

## Special Issue

# Advances in Synthesis and Application of Biomedical Polymer Materials—2nd Edition

### Message from the Guest Editor

Biomedical polymers are naturally derived polymers and synthetic polymers, which play a vital role in tissue engineering and regenerative medicine. Those polymers can be manufactured in medical devices or applied in drug delivery systems. Up to now, biomedical polymers have been extensively developed for preclinical and clinical studies, such as therapeutic medicine delivery, disease detection and diagnosis, biosensing, regenerative medicine, and disease treatment. In recent years, due to their unique physiological activities and capabilities, bioactive polymers have garnered a lot of attention from researchers. Thus, biomedical polymers have wide potential for exploration in biomedical applications. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: biomedical polymers in precision medicine, tissue engineering, regenerative medicine, and clinical translation. We are looking forward to receiving your contributions.

### Guest Editor

Dr. Weikang Hu

School of Materials Science and Engineering, Hubei University, Wuhan 430062, China

### Deadline for manuscript submissions

31 August 2025



## Polymers

---

an Open Access Journal  
by MDPI

---

**Impact Factor 4.9**  
**CiteScore 9.7**  
**Indexed in PubMed**



[mdpi.com/si/232109](https://mdpi.com/si/232109)

*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)