

## Special Issue

# Biomaterials in Medical Applications II

### Message from the Guest Editor

Natural biomaterials are materials extracted from a living organism that have the advantages of non-toxicity, biocompatibility, and biodegradability. Since the demand for polymers in medical applications has been significantly increasing, further advanced research on extracting biomaterials, exploring new biomaterials, and developing the biomaterial industry is particularly important. In addition, although biodegradability is an advantage of biomaterials, it is also a disadvantage because they may easily suffer from wear and tear due to their intensive interaction with the body. Hence, further studies investigating the effect of biomaterial treatment and understanding the related biological mechanisms can contribute to the efficient use of biomaterials in medical applications. Therefore, the current Special Issue on "Biomaterials in Medical Applications" invites submissions of reviews and original papers that address any interesting biomaterial topics concerning the effect of biomaterial therapy, the biological mechanisms of biomaterials, biomedical applications, tissue engineering, and other related subjects.

---

### Guest Editor

Prof. Dr. Hsiuying Wang

Institute of Statistics, National Yang Ming Chiao Tung University,  
Hsinchu 300093, Taiwan

---

### Deadline for manuscript submissions

closed (30 November 2023)



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/140406](https://mdpi.com/si/140406)

*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 4.9.

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

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 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, CAPIus / SciFinder, Inspec, and other databases.

#### Journal Rank:

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