

## Special Issue

# Polymer Materials: Advances in Biomedical and Pharmaceutical Applications

### Message from the Guest Editors

The development of polymeric biomaterials over the past 50 years has revolutionized the healthcare and pharmaceutical industry. Thanks to their wide range of chemical, mechanical and biocompatibility properties, synthetic and natural polymers have long been successfully applied in medical devices, implants, scaffolds, drug delivery systems, diagnostics and medicine formulations; however, continuous advancements in polymer science and technology make the preparation of new systems and new applications possible every day. The synthesis of novel functional polymers, the functionalization and modification of natural or synthetic polymers, the preparation of bicomposites and hybrid nanostructures, new processing technologies and different fabrication strategies continuously offer novel and tailorable solutions to clinical and therapeutic issues.

---

### Guest Editors

Dr. Pierangiola Bracco

Department of Chemistry, University of Torino, Via Pietro Giuria 7, 10125 Torino, Italy

Dr. Claudio Cecone

Department of Chemistry, University of Torino, Via Pietro Giuria 7, 10125 Torino, Italy

---

### Deadline for manuscript submissions

closed (15 February 2024)



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/170178](https://mdpi.com/si/170178)

*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)