

## Special Issue

# Biomedical Applications of Polymeric Materials, 3rd Edition

### Message from the Guest Editors

Polymers, and especially biopolymers, have attracted the interest of scientists since ancient times and are widely used in the medical and pharmaceutical fields due to their unique properties, which include versatility, bacteriostatic and hemostatic action, low cost of production, non-toxicity, great functionality, biocompatibility, and high absorbent capacity. The medical applications of biopolymeric materials vary from general healthcare to specific and very targeted domains such as surgery, wound healing, cancer management, tissue engineering, implants, and drug delivery system formulation. The development of functionalized polymeric materials or nanobiomaterials is a field of great relevance because it includes a multitude of biomaterials that can be applied in medical applications such as films, sponges, wound dressings, hydrogels, aerogels, electro-spun nanofibers, nanoparticles, etc. In this Special Issue, we aim to create a platform for researchers to disseminate their results in relation to polymeric materials used in biomedical applications.

---

### Guest Editors

Dr. Andreea-Teodora Iacob

Department of Pharmaceutical and Therapeutic Chemistry, Grigore T. Popa University of Medicine and Pharmacy Iasi, 16 University Street, 700115 Iasi, Romania

Prof. Dr. Lenuta Profire

Department of Pharmaceutical Chemistry, Faculty of Pharmacy, "Grigore T. Popa" University of Medicine and Pharmacy of Iasi, 16 Universitaty Street, 700115 Iasi, Romania

---

### Deadline for manuscript submissions

30 September 2026



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/233388](https://mdpi.com/si/233388)

*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)