

## Special Issue

# Biodegradable Polymers to Biomedical and Packaging Applications

### Message from the Guest Editors

In this Special Issue, modern trends in polymers synthesis, analysis, and physico-chemical studies are highlighted and discussed. This Issue is collecting novel studies related to biodegradable polymers dedicated to biomedical and packaging applications. It is important to consider different methods to improve the properties of polymer-based materials that would increase their applicability in industry. Thanks to the open access platform of this journal, we can count on a wider audience of readers of the fruits of our research effort. Research areas may include (but not limited to) the following:

- Biodegradable two and three dimensional materials preparation and characterization for biomedical and packaging application;
- 2D and 3D materials preparation from different raw compounds;
- Physicochemical properties of two and three dimensional materials made of polymers;
- Biological studies (in vitro and in vivo) of 2D and 3D scaffolds;
- Microbiological activity studies of two and three dimensional materials as scaffolds and packages.

### Guest Editors

Dr. Beata Kaczmarek-Szczepańska

Department of Biomaterials and Cosmetic Chemistry, Faculty of Chemistry, Nicolaus Copernicus University in Torun, Torun, Poland

Dr. Marcin Wekwejt

1. Department of Biomaterials Technology, Faculty of Mechanical Engineering and Ship Technology, Gdańsk University of Technology, Gdańsk, Poland  
2. Laboratory for Biomaterials and Bioengineering (CRC-Tier I), Department of Min-Met-Materials Eng & Regenerative Medicine, CHU de Québec, Laval University, Québec City, QC, Canada

### Deadline for manuscript submissions

closed (15 June 2024)



## Polymers

an Open Access Journal  
by MDPI

Impact Factor 4.7  
CiteScore 8.0  
Indexed in PubMed



[mdpi.com/si/104654](https://mdpi.com/si/104654)

*Polymers*

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 4.7  
CiteScore 8.0  
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 & Polymers and Plastics)