



## Biodegradable Polymers to Biomedical and Packaging Applications

Guest Editors:

**Dr. Beata Kaczmarek**

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 Min-Met-Materials  
Eng & Regenerative Medicine,  
CHU de Québec, Laval University,  
Québec City, QC, Canada

Deadline for manuscript  
submissions:

**closed (15 June 2024)**

### 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.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien  
und Polymertechnologie,  
University of Potsdam, 14476  
Potsdam-Golm, Germany

## 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 5.0.

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.

## 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)

## Contact Us

---

*Polymers* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/polymers](http://mdpi.com/journal/polymers)  
[polymers@mdpi.com](mailto:polymers@mdpi.com)  
[X@Polymers\\_MDPI](https://twitter.com/Polymers_MDPI)