

## Special Issue

# Polymers from Renewable Resources for Packaging and Biomedical Applications: 2nd Edition

### Message from the Guest Editors

Packaging represents the largest application field of plastics and is responsible for the highest volume of waste production. Even if recycling is the preferred option, it is not possible for the multilayered structures that are used commercially to guarantee smart barriers and mechanical performances. Thus, the development of novel monomaterials suitable for recycling is strongly encouraged.

Another growing market of great importance in everyday life is that of health, in particular in fields such as regenerative medicine and pharmacology with the fabrication of controlled drug delivery systems. The use of polymeric supports to favor cell and tissue regeneration can represent a valid alternative to conventional drug therapies or transplants.

Bioplastics, and in particular biopolyesters, represent a valid alternative in all these fields of applications, as they can simultaneously satisfy the requirements of biodegradability and biocompatibility within the environment in which they are disposed and the release of non-toxic degradation products.

This Special Issue will offer the opportunity to present overviews of novel sustainable materials for packaging and biomedical applications.

---

### Guest Editors

Prof. Dr. Nadia Lotti

Dr. Valentina Siracusa

Dr. Giulia Guidotti

---

### Deadline for manuscript submissions

31 October 2025



## Polymers

---

an Open Access Journal  
by MDPI

---

**Impact Factor 4.9**  
**CiteScore 9.7**  
**Indexed in PubMed**



[mdpi.com/si/215404](https://mdpi.com/si/215404)

*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 4.7.

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)