

## Special Issue

# Bio-Based Polymers' Application and Technology for Better Quality of Life

### Message from the Guest Editors

The environmental impact of petroleum-based polymers has generated a tremendous mass of plastic waste worldwide. To overcome this critical problem, biopolymers with a wide range of properties like biodegradability, biocompatibility, and decent mechanical properties can be the promising alternative for synthetic polymers in different fields such as food packaging, medical, pharmaceutical, cosmetic, and agriculture. This Special Issue plans to feature the application of bio-based polymers in various areas and technologies that make these materials more tangible and help us have a better environment. We invite the authors to participate in this Special Issue of *Polymers* and contribute to building a better life and a greener environment through their fascinating research and innovation.

---

### Guest Editors

Dr. Arash Moeini  
Dr. Pierfrancesco Cerruti  
Dr. Gabriella Santagata

---

### Deadline for manuscript submissions

closed (31 March 2024)



## Polymers

---

an Open Access Journal  
by MDPI

---

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



[mdpi.com/si/106802](https://mdpi.com/si/106802)

*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, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)