

## Special Issue

# The Development of Polymeric Biomaterials Using Agro-Industrial Residues

### Message from the Guest Editors

The Special Issue "The Development of Polymeric Biomaterials Using Agro-Industrial Residues" is dedicated to the dissemination of research articles related to the use of agro-industrial residues in the development of biomaterials with various forms and applications. Agro-industrial wastes generated at the production, post-harvest and processing stages account for more than 40% of total losses in some regions of the world, such as Africa and Latin America. At the same time, the demand for sustainable materials is increasing, so the market for polymeric biomaterials derived from agro-industrial residues is expected to grow. Thus, the use of agro-industrial residues in the development of biomaterials is a sustainable and efficient way to create strategies that are in line with the principles of the circular economy. Therefore, the aim of this Special Issue is to publish studies that discuss the ways in which agro-industrial residues could be used to create sustainable polymeric biomaterials, which could contribute to waste reduction, improve environmental health and promote the growth of a circular economy.

### Guest Editors

Prof. Dr. Fernanda Maria Vanin

Department of Food Engineering, Faculty of Animal Science and Food Engineering, University of São Paulo, São Paulo, Brazil

Dr. Cristiana Maria Pedroso Yoshida

Department of Exact and Earth Science, Universidade Federal de São Paulo (UNIFESP), Rua São Nicolau, 210, Diadema 09913-030, SP, Brazil

### Deadline for manuscript submissions

30 November 2025



## Polymers

---

an Open Access Journal  
by MDPI

---

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



[mdpi.com/si/224360](https://mdpi.com/si/224360)

*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)