

# Special Issue

## Bio-Based Materials: Contribution to Advancing Circular Economy

### Message from the Guest Editors

This Special Issue will focus on manuscripts dealing with the development of sustainable materials from renewable resources. Sustainable materials include waste-derived, recyclable, and biodegradable materials. The Special Issue will deal with reviews, new concept ideas, and basic research and developmental manuscripts on the following topics:

- Waste residues from agro-waste, food industry, etc. as a feedstock and converting to value-added products;
- Processing, morphology, structure, properties, and applications of waste derived chemicals and bio-based products;
- Renewable carbon-based technologies for the chemicals and plastics industry;
- Manufacturing, characterization, chemical, and physical modification and engineering of bio-based products;
- Sustainable utilization and conversion of recycled plastic waste to functional products;
- Biodegradation studies in bio-based materials;
- Sustainable materials and technologies for implementation of a circular economy.

### Guest Editors

Dr. Maya Jacob John

Advanced Polymer Composites, Centre of Nanostructured and Advanced Material, CSIR, Pretoria 0184, South Africa

Prof. Dr. Sabu Thomas

Vice Chancellor, Mahatma Gandhi University, Priyadarshini Hills, Kottayam 686 560, Kerala, India

### Deadline for manuscript submissions

closed (25 July 2022)



## Polymers

an Open Access Journal  
by MDPI

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/59565](https://mdpi.com/si/59565)

*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)