

## Special Issue

# Recycling, Valorization and Utilization of Polymer Materials

### Message from the Guest Editors

The rapid development of society, associated with the increase in energy needs, causes the increased release of emissions, resulting in various changes. The effects of climate change are just one of the environmental problems that are in the spotlight and raising concern, suggesting a greater need to identify, quantify and remedy the effects of human activities on the environment. As a way to minimize environmental impacts, the search for sustainable materials and energy from renewable sources becomes necessary. This Special Issue aims to highlight the technological advances in the use of polymers for the production of material with added value and renewable energy. We welcome manuscripts on the following topics related to the use of polymer waste:

- Polymer recycling;
- Polymer conversion;
- Energy recovery;
- Aerobic and anaerobic biodegradability;
- Value-added products;
- Biochars with added value;
- Use of polymers for gas cleaning;
- Electrochemistry and polymers.

### Guest Editors

Dr. Roberta Mota Panizio

Dr. Paulo Alexandre Mira Mourão

Dr. Pedro Silva Romano

Prof. Dr. José Luz Silveira

Prof. Dr. Manuel Jesús Hermoso-Orzáez

### Deadline for manuscript submissions

closed (30 September 2023)



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/160533](https://mdpi.com/si/160533)

*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)