

## Special Issue

# Polymers for Recycling and Valorization of Soft and Hard Materials

### Message from the Guest Editors

Sustainability and efficient use of industrial waste as a raw material for valorization has become the utmost important step for future product development. Many industries face major challenges in complying with minimum environmental demands, while simultaneously others produce vast amounts of biobased co-products, often in the form of waste. Consequently, new research focuses on using these bio-based co-products (primarily polymers) to develop materials with functional properties, thereby reinserting them in the energy cycle with a new purpose. The Special Issue, entitled “Polymers for Recycling and Valorization of Soft and Hard Materials,” would serve as a platform for pipeline research focusing on spent polymeric materials used to produce new functional and sustainable soft/hard products. The Special Issue also covers the development of products using polymers from industrial streams for maximizing resource efficiency. Research using polymers as intermediates for developing more efficient recycling methods and processes for valorizing soft and hard materials will also be considered within the Special issue.

---

### Guest Editors

Dr. Antonio Capezza

Dr. Víctor Manuel Pérez Puyana

Dr. Xiong Xiao

---

### Deadline for manuscript submissions

closed (31 March 2023)



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.7  
CiteScore 8.0  
Indexed in PubMed



[mdpi.com/si/100775](https://mdpi.com/si/100775)

*Polymers*  
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 4.7  
CiteScore 8.0  
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 & Polymers and Plastics)