

## Special Issue

# Advances in the Thermal Characterization of Polymers and Plastic Waste

### Message from the Guest Editor

This Special Issue aims to provide a useful platform for distinguished and younger scholars to share their most recent developments on the synthesis, structural, morphological and thermal characterization of innovative and end-of life polymer-based materials, in which thermal analysis techniques (thermogravimetry, differential thermal analysis and differential scanning calorimetry and dynamic mechanical analysis) play a significant role in combination with spectroscopic, structural and computational techniques. In particular, I address those colleagues who wish to provide deeper insights into the physico-chemical processes directly connected to the thermal treatment of polymers and/or polymer-based materials, with the aim to deliver information of utmost importance for their future innovative applications.

### Guest Editor

Dr. Stefano Vecchio Cipriotti

Dipartimento S.B.A.I., Sapienza Università di Roma, Via del Castro Laurenziano 7, I-00161 Rome, Italy

### Deadline for manuscript submissions

15 December 2025



## Polymers

an Open Access Journal  
by MDPI

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/228709](https://mdpi.com/si/228709)

*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)