

## Special Issue

# Advances in Rheology and Polymer Processing

### Message from the Guest Editors

The rheology of polymer materials plays a crucial role in various industrial processes. Understanding and manipulating the rheological behavior of polymers is essential for achieving optimal processing conditions, improving product quality, and ensuring efficient manufacturing. This Special Issue aims to highlight recent advancements in this field, focusing on novel experimental techniques, theoretical models, and computational simulations that enhance our understanding of polymer flow behavior and its impact on processing techniques. Potential Topics:

- Rheological characterization techniques for polymer processing
- Rheology–processing relationships
- Polymer processing techniques and rheological effects
- Computational rheology and modeling approaches
- Emerging trends and future directions

Researchers and experts are invited to submit their original research articles, reviews, and perspectives addressing the aforementioned topics. Submissions should present novel insights, experimental techniques, theoretical advancements, or computational modeling approaches that contribute to the field, and both experimental and computational studies are welcome.

---

### Guest Editors

Dr. Célio Fernandes  
Dr. Luís Lima Ferrás  
Dr. Alexandre M. Afonso

---

### Deadline for manuscript submissions

31 July 2026



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/178770](https://mdpi.com/si/178770)

*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 4.9.

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

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 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, CAPIus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)