

## Special Issue

# Morphology and Aging of Polymers

### Message from the Guest Editor

Polymers are nowadays a driving force in our society. Unfortunately, their properties change with time owing to the combined effects of various types of aging. While many researchers conduct accelerated aging studies, the reported results rarely match the observations from the natural aging. The macroscopic properties of polymers are largely determined by their morphology in terms of chemical structure, molecular dynamics, molecular weight, crystallinity degree etc. Thus, understanding and modeling the physical and chemical changes in the molecular network will provide the framework for establishing reliable structure-properties relationships reference and for determining their lifetime. It is important to use various modern analytical methods to research systematic details in this process. This special issue aims at collecting research and review articles covering all aspects of aging-induced morphological changes in polymer materials. It provides a platform for discussing challenges and open issues by presenting suitable morphological characterization techniques and modeling methods for improved structure-properties relationships.

### Guest Editor

Prof. Dr. Alina Adams

Institut für Technische und Makromolekulare Chemie, 52074 Aachen, Germany

### Deadline for manuscript submissions

closed (30 June 2022)



## Polymers

an Open Access Journal  
by MDPI

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/72606](https://mdpi.com/si/72606)

*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

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)