

## Special Issue

# Polymer Materials in Additive Manufacturing: Modelling and Simulation

### Message from the Guest Editors

Additive manufacturing (AM) extensively has been at the center of attention of studies and industry. The AM process involves gradual build-up in layers, and capability in the fabrication of complex shapes with low cost. Advances in the processing of polymers and polymer composites with this method are in the domain of this journal which can provide a vital resource for anyone involved in additive manufacturing. This Special Issue will cover but is not limited to original reviews and research articles dedicated to:

- AM processes of manufacturing and materials;
- Process–microstructure/morphology–properties relationships;
- Optimization of process parameters;
- Mechanical properties of fabricated parts;
- Modeling and simulation.

---

### Guest Editors

Dr. Mohammadali Shirinbayan

Dr. Nader Zirak

Prof. Dr. Khaled Benfriha

Dr. Sedigheh Farzaneh

Dr. Joseph Fitoussi

---

### Deadline for manuscript submissions

closed (5 October 2022)



## Polymers

---

an Open Access Journal  
by MDPI

---

**Impact Factor 4.9**  
**CiteScore 9.7**  
**Indexed in PubMed**



[mdpi.com/si/96004](https://mdpi.com/si/96004)

*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)