

## Special Issue

# Polymer Composites and Sustainability

### Message from the Guest Editors

Sustainability requires a balance between environmental, societal, and economic profits. Composites can be found in a wide number of applications, with the market being expected to increase by over an 8% from 2020 to 2021, and from 74 billion dollars in 2020 to almost 113 billion dollars in 2025. The excellent properties of such materials explain this increase and their adoption in several sectors; their relatively low weight and good durability, among other properties, make them interesting from the point of view of sustainability, although some questions are still to be answered. Are they recyclable, and to what extent? Can composites be biodegradable? Does the use of biobased materials (both matrices and fillers/reinforcements) make the composite sustainable? So, this Special Issue focuses on studies of the end-of-life of composites (recyclability, design for reuse/disassembly), the use of alternative feedstocks for their production, and biodegradability, etc.

### Guest Editors

Dr. Zaida Ortega

Departamento de Ingeniería de Procesos, Universidad de Las Palmas de Gran Canaria, 35017 Las Palmas de Gran Canaria, Spain

Prof. Dr. Abbas Tcharkhtchi

Arts et Métiers Institute of Technology, CNRS, CNAM, PIMM, HESAM University, 75013 Paris, France

### Deadline for manuscript submissions

closed (20 December 2021)



## Polymers

an Open Access Journal  
by MDPI

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/73137](https://mdpi.com/si/73137)

*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, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

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