

## Special Issue

# Electrical and Magnetic Properties of Polymers and Polymer Composites

### Message from the Guest Editors

At present, more and more plastic materials with special electric and magnetic properties are being revealed as smart alternatives of other, more conventional materials such as ceramics or metals. Apart from polymers with intrinsic electric properties, or intrinsic magnetic properties, polymer matrix composite materials may offer a wider range of properties depending not only on the nature of the fillers used but also on the composition. Attending the particular properties provided by polymer-based materials, the new world that can be opened in terms of applications is evident when special electrical and magnetic properties are required: sensors, actuators, thermistors, high k materials for supercapacitors, printed electronic circuits, and materials for energy harvesting and electromagnetic shielding applications, among others. For all this, this Special Issue is aimed at the preparation and characterization of new polymers and polymer-based materials with electric or magnetic properties

---

### Guest Editors

Prof. Dr. Javier González-Benito

Department of Materials Science and Engineering and Chemical Engineering, Instituto de Química y Materiales Álvaro Alonso Barba (IQMAA), Universidad Carlos III de Madrid, Leganés, 28911 Madrid, Spain

Dr. Dania Olmos

Department of Materials Science and Engineering and Chemical Engineering, Instituto de Química y Materiales Álvaro Alonso Barba (IQMAA), Universidad Carlos III de Madrid, 28911 Leganés, Spain

---

### Deadline for manuscript submissions

closed (20 October 2022)



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.7  
CiteScore 8.0  
Indexed in PubMed



[mdpi.com/si/62325](https://mdpi.com/si/62325)

*Polymers*

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 4.7  
CiteScore 8.0  
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)