

## Special Issue

# Carbon-Based Polymer Nanocomposites: Preparation, Characterization, and Applications, 2nd Edition

### Message from the Guest Editor

This Special Issue entitled “Carbon-Based Polymer Nanocomposites: Preparation, Characterization, and Applications, 2nd Edition”, aims to form a collection of high-quality original/review papers focusing on recent progress and new preparations in the application of carbon-based polymer nanocomposites, including (a) the synthesis and surface modification of carbon materials; (b) the tailored control of carbon materials’ size, concentration, and orientation in a polymer matrix; (c) interfacial property control between carbon materials and the polymer matrix; (d) the evaluation of carbon materials’ dispersion state in the polymer matrix; (e) and the development of new applications using carbon-based polymer nanocomposites and various nanocomposites.

### Guest Editor

Prof. Dr. Jea Uk Lee

Department of Advanced Materials Engineering for Information and Electronics, Integrated Education Institute for Frontier Science and Technology (BK21 Four), Kyung Hee University, 1732 Deogyong-daero, Giheung-gu, Yongin-si 17104, Republic of Korea

### Deadline for manuscript submissions

31 March 2026



## Polymers

an Open Access Journal  
by MDPI

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/228947](https://mdpi.com/si/228947)

*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)