

Special Issue

Functionalized Polymer Nanocomposites: Synthesis and Applications

Message from the Guest Editor

In recent years, multifunctional polymer nanocomposites have attracted interest due to their advanced properties, such as unique structural and physical characteristics. Furthermore, the surface of monomers/polymers can be easily functionalized by either tuning their polymerization techniques or cross-linking sites, according to the desired application type. In another approach, polymers with inorganic nanofillers such as carbon nanomaterials, TiO₂, and MoS₂ and so on have assisted the fabrication of high-performance multifunctional polymer nanocomposites. These synthesis approaches have been used for the development of new cutting-edge materials for environmental remediation to bioelectronics. Therefore, a knowledge-based synergistic development of the structure-property relationship of functionalized polymer composites needs to be addressed in detail. This relationship is important to know the role of each precursor material for the development of the composite and its effect on the corresponding application.

Guest Editor

Dr. Amit K. Sarkar

School of Engineering, Tel Aviv University, Tel Aviv 69978, Israel

Deadline for manuscript submissions

closed (31 December 2021)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/54832

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)