

Special Issue

Novel Nanoparticles and Their Enhanced Polymer Composites

Message from the Guest Editors

The addition of functional fillers into a polymer matrix has been extensively explored and used in many applications, such as electronics, medicine, aerospace, energy storage, sensors, etc. With the fast development of science and technology, novel particles and their composites with multiple functions have been invented to meet new requirements. Moreover, new manufacturing methods to prepare the particles and composites are also emerging. One challenge is to prepare high-performance or functional polymer composites with low filler content in an easy, scale-up approach. Another challenge is to endow the function into the composite efficiently and subtly through rational design of the particles or the particle distribution in the polymer matrix. This Special Issue aims to highlight the advances and cutting-edge technologies of particles and particle-reinforced functional polymer composites. In this Special Issue, original research articles and reviews are welcome.

Guest Editors

Dr. Yuwei Chen

School of Polymer Science and Engineering, Qingdao University of Science and Technology, Qingdao, China

Dr. Yumin Xia

College of Materials Science and Engineering, Donghua University, 2999 North Renmin Road, Shanghai, China

Deadline for manuscript submissions

closed (28 February 2024)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/139475

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 4.7.

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)