

Special Issue

Functional Polymer Composites for Thermal Conductivity

Message from the Guest Editors

Functional polymer composites are highly valued by researchers due to their numerous advantages, including low density, high specific strength and modulus, excellent fatigue resistance, and superior vibration-damping properties. In recent decades, a range of functional polymer composites with attributes such as thermal conductivity, electrical conductivity, electromagnetic interference shielding, wave absorption, sound absorption, and flame retardancy have been developed. These materials show extensive applications in aerospace, transportation, and 5G communications. This Special Issue, "Functional Polymer Composites for Thermal Conductivity", invites contributions addressing the design and fabrication of functional polymer composites with thermal conductivity, electromagnetic interference shielding, and wave absorption properties. We aim to publish high-caliber research in the natural sciences and high-tech fields and highlight future research directions.

Guest Editors

Dr. Xiangnan Chen

Dr. Lin Tang

Dr. Lei Wang

Deadline for manuscript submissions

closed (20 February 2025)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/214138

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)