

Special Issue

Advanced Polymeric Materials in Sensors

Message from the Guest Editors

Due to the easy modification of their chemical properties and the ability to fine-tune their reactivity, biocompatibility, flexibility, and resistance to degradation, polymeric materials make it possible to create microarrays with high stability, wide linear detection ranges, more-efficient electron transfer, short analysis time, and high specificity towards the target analyte. The combination of polymers and highly conductive nanomaterials ensures the special electrical and catalytic properties of the new material. Sensing strategies in polymer applications include their direct participation in the sensing mechanism or the immobilization of specific receptors. The Special Issue will disseminate research on recent developments in innovative fabrication methods, the sensing performance of new devices, and the mechanism of synergistic effect of the polymer composites' components.

Guest Editors

Dr. Anna Kharkova

Chemistry Department, Tula State University, 92 Lenin Avenue, Tula 300012, Russia

Dr. Vyacheslav A. Arlyapov

Federal State Budgetary Educational Institution of Higher Education, Tula State University, 300012 Tula, Russia

Deadline for manuscript submissions

closed (20 December 2023)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/152358

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)