



Recent Advances in Antimicrobial Polymers

Guest Editor:

Dr. Eduard Karamov

Gamaleya National Research
Center for Epidemiology and
Microbiology, Russian Ministry of
Health, Moscow, Russia

Deadline for manuscript
submissions:

closed (30 November 2023)

Message from the Guest Editor

Natural and synthetic polymers have long been known for their inherent ability to suppress growth and decrease viability of diverse microorganisms (bacteria, fungi, viruses). The development of new polymeric materials that exhibit activity against microorganisms or capacity for augmenting the efficacy of existing antimicrobials is now among the most attractive avenues of applied research, and progress achieved in this field thus far is already quite impressive.

This Special Issue will focus on recent advances in antimicrobial polymers and cover all related studies, with emphasis on the following topics:

- Smart coatings (virucidal/disinfectant films, wound dressings);
- Topical microbicides (chemoprevention of HIV infection);
- Long-acting antivirals;
- Nanocontainers for drug delivery;
- Mechanisms of action of natural and synthetic antimicrobial polymers.





polymers



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

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 5.0.

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.

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 (*Polymers and Plastics*)

Contact Us

Polymers Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/polymers
polymers@mdpi.com
[X@Polymers_MDPI](https://twitter.com/Polymers_MDPI)