



an Open Access Journal by MDPI

# **Recent Developments in Antimicrobial Polymers**

Guest Editors:

#### Dr. Jiquan Zhang

School of Life Sciences, Hebei University, Baoding, China

#### Dr. Yuying Sun

School of Life Sciences, Hebei University, Baoding, China

Deadline for manuscript submissions: closed (25 October 2023)

### Message from the Guest Editors

This Special Issue on Recent Developments in Antimicrobial Polymers is devoted to disseminating contributions concerning the synthesis and function of antimicrobial polymers.

Microbes are a ubiquitous threat around the world and pose a serious danger to people's life. However, small molecules soluble in water and traditional antimicrobial agents often suffer from residual toxicity. In recent years, antimicrobial polymers have received considerable attention from researchers for their high biocompatibility, stronger and longer antimicrobial activity, and non-toxic class antimicrobial properties. The large of macromolecular systems, polymers, and copolymers have been rigorously developed, and many antimicrobial polymers have been applied in medical treatment, food. and textile industries. With our further understanding of the antibacterial mechanism and the development of polymer materials, it is possible to design and synthesize specific macromolecules with enhanced selectivity and antibacterial activity. The application of antimicrobial polymers will be expanded to more fields.



mdpi.com/si/137619







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 highquality 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