



## 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

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### 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 properties. The large class of antimicrobial 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.





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## Editor-in-Chief

### Prof. Dr. Alexander Böker

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

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*Polymers* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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mdpi.com/journal/polymers  
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