

Special Issue

Recent Developments in Antimicrobial Polymers

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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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

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