



Antimicrobial Polymers and Polymeric Composites

Guest Editors:

Dr. Azeem Ullah

Prof. Dr. Ick-Soo Kim

Dr. Muzamil Khatri

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Message from the Guest Editors

Microbial infestation remains one of the biggest concerns in many fields, particularly in medical devices, drugs coating, health care and hygiene applications, water purification systems, surgery types of equipment, textile/clothing, food packaging, and storage. Antimicrobial polymers are materials capable of killing or inhibiting microbial growth on their surface or vicinity. These materials gain interest in academic research and industry due to their potential to provide value and protection to many products. The use of antimicrobial polymers promises to enhance the efficacy of some existing antimicrobial agents and minimize the environmental problems accompanying conventional antimicrobial agents by reducing the residual toxicity of the agents, increasing their efficiency and selectivity, and prolonging the lifetime of the antimicrobial agents. The current special issue focuses on the research and review articles on the synthesis and application of antimicrobial polymers for biomedical, tissue engineering, food packaging, protective clothings, filtration media, and other related fields.





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Editor-in-Chief

Prof. Dr. Alexander Böker

Fraunhofer-Institut für
Angewandte Polymerforschung,
Lehrstuhl für Polymermaterialien
und Polymertechnologie,
Universität Potsdam,
Geiselbergstraße 69, 14476
Potsdam-Golm, Germany

Message from the Editor-in-Chief

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Polymers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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