



Antimicrobial Polymers and Polymeric Composites

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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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Message from the Editor-in-Chief

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