Joint Special Issue

Recent Advances in Antimicrobial Materials

Message from the Guest Editor

Antimicrobial therapy is an effective way to treat various diseases and a key component of modern medical practice. Infections caused by disease-causing microorganisms are a big problem for many of us, particularly in the areas of medical devices, healthcare products, packaging, and storage of food etc. Infections are usually controlled with antimicrobial agents; however, some bacteria have become resistant to common antibiotics after their genes have mutated, making them difficult to remove. As a result, the increased resistance of microorganisms to the current use of antimicrobial agents has led to evaluating other agents that may have an antimicrobial effect. This Special Issue covers the latest developments and applications of antibacterial biomaterials, including simulation, mechanistic understanding, and uses of antimicrobial compounds and materials. It also intends to inspect the role of innovative approaches and provide an overview of cutting-edge research on treatments, properties, and technologies in the development of antimicrobial applications. You may choose our Joint Special Issue in *Molecules*.

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