Special Issue

Antibacterial Strategies in Biomaterials

Message from the Guest Editors

Infectious diseases greatly impact global morbidity and mortality, with a significant economic burden. While microorganisms continuously develop new mechanisms of antimicrobial resistance, we acknowledge the limitations of available therapeutic options, especially in the case of multi-resistant strains. Novel and efficient antimicrobial approaches by molecular and nanosized structures may modulate microbial virulence, host–microbiome interactions, and/or host immune responses and consequently contribute to infection control. These approaches should be focused on the endpoint, their efficiency, and their application in clinical practice, with the lowest cytotoxicity and adverse reactions. We invite you to contribute your recent work to this Special Issue of *Applied Sciences* that aims to bring together the most innovative and interesting advances made in the development of biomaterials with antimicrobial properties. Research and review papers focusing on this intriguing field will be considered for this Special Issue.
Assist. Prof. Alina Maria Holban

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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