

Antibiotics

an Open Access Journal by MDPI

CiteScore: 10.2
Indexed in PubMed
Impact Factor: 5.5

Special Issue Reprint

Antibiofilm Activity against Multidrug-Resistant Pathogens

Edited by: Verica Aleksic Sabo and Petar Knezevic

The Reprint “Antibiofilm Activity against Multidrug-Resistant Pathogens” presents a comprehensive collection of studies addressing current challenges associated with microbial biofilms and antimicrobial resistance. Biofilm formation represents one of the major mechanisms contributing to persistent infections, reduced susceptibility to antimicrobial treatments, and the dissemination of multidrug-resistant pathogens. This Reprint highlights recent advances in understanding biofilm development, characterization, and control, with particular emphasis on innovative antibiofilm strategies. The included contributions explore diverse approaches for combating biofilm-associated infections, including evaluation of natural compounds, alternative antimicrobial agents, synergistic combinations, and novel therapeutic strategies. The studies provide valuable insights into mechanisms of biofilm inhibition and eradication, as well as the potential application of new antimicrobial approaches against clinically relevant bacterial and fungal pathogens. By bringing together multidisciplinary research from microbiology, pharmacology, and infectious disease fields, this Reprint provides an updated overview of emerging solutions for addressing biofilm-related infections and antimicrobial resistance. It will be of interest to researchers, clinicians, and professionals working on antimicrobial discovery, infection control, and the development of next-generation antibiofilm therapies.

https://www.mdpi.com/books/reprint/13523