

Special Issue

Antimicrobial Resistology: A New Approach in the Fight Against Antimicrobial Resistance

Message from the Guest Editor

The emergence of antimicrobial resistance (AMR) poses a critical global health challenge, necessitating a comprehensive and coordinated response. The content of this research topic encapsulates the investigation of resistance genes and resistant microorganisms, molecular and phenotypic detection and reporting of resistance, and the development of innovative techniques and approaches to combat resistance. It addresses the rise of multidrug-resistant pathogens, such as carbapenem-resistant Enterobacterales (CRE), Pseudomonas (CRPA), Acinetobacter baumannii (CRAB), methicillin-resistant Staphylococcus aureus (MRSA), Vancomycin-resistant Enterococci, and ESBL and AmpC producing Enterbacterales. By defining and formalizing Antimicrobial Resistology, we can enhance our understanding of resistance dynamics, promote interdisciplinary collaboration, and improve strategies for managing and mitigating the impact of antimicrobial resistance on public health.

Guest Editor

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