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Clinical Impact of Bacterial Resistance: Detection, Infection Control and Antimicrobial Stewardship Solutions

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Message from the Guest Editors

The increasing spread of antimicrobial resistance (AMR) represents a global public health threat. Infections caused by antimicrobial-resistant bacteria lead to higher medical costs, prolonged hospital stays, and increased mortality than those caused by non-resistant bacteria. Rapid detection of antimicrobial-resistant bacteria is one of the most important steps since it allows the implementation of both prompt infection control measures and the initiation of appropriate antimicrobial therapy. Reinforce infection prevention and control measures are essential to minimize antimicrobial-resistant bacteria transmission and outbreaks, minimizing nosocomial infections caused by these microorganisms. Lastly, antimicrobial stewardship strategies aim to improve the prescription of antimicrobials to minimize the selection of antimicrobial-resistant bacteria.

Therefore, this Special Issue welcomes submissions from different research fields focusing on detection, infection prevention, control practices, and antimicrobial stewardship solutions, aiming to contribute to minimizing the clinical impact of bacterial resistance.



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Special Issue



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Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciples are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

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