Special Issue

Antibiotic Surveillance and Rational Use in Special Populations: Enhancing Stewardship for Vulnerable Groups

Message from the Guest Editors

The global rise of antimicrobial resistance (AMR) presents one of the most pressing challenges to public health, necessitating urgent action across all levels of healthcare and society. Among the most vulnerable to the impacts of AMR are special population groups, including children, the elderly, immunocompromised individuals, pregnant women, and those with chronic conditions. In these populations, the rational use of antibiotics becomes even more critical to ensure effective treatment outcomes while minimizing the risk of AMR.

This Special Issue aims to explore the intersection of antibiotic surveillance and rational use of antibiotics within these special populations, shedding light on both the unique challenges and the promising strategies for improving antimicrobial stewardship. Surveillance plays an important role in tracking antibiotic use patterns, identifying misuse or overuse, and informing targeted interventions.

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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.

Editor-in-Chief

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