

Special Issue

Antimicrobial Use and Stewardship in Critical Care

Message from the Guest Editor

The increasing threat of antimicrobial resistance demands urgent attention, particularly in critical care settings where the use of broad-spectrum antibiotics is widespread. This Special Issue will focus on Antimicrobial Stewardship in Critical Care, aiming to highlight the development and implementation of strategies that optimize antimicrobial use to reduce resistance, improve patient outcomes, and minimize adverse effects. Critical care environments, including ICUs, are high-risk areas for the overuse and misuse of antibiotics. With patients often presenting severe infections and sepsis, there is a fine balance between timely antimicrobial therapy and the prevention of resistance. We invite submissions addressing various aspects of antimicrobial stewardship including, but not limited to, the following: the role of rapid diagnostics in guiding therapy, multidisciplinary approaches in stewardship programs, and the impact of stewardship interventions on clinical outcomes. This Special Issue also encourages original research on novel antimicrobial agents, strategies to de-escalate antibiotic use, and studies exploring the integration of stewardship into critical care workflows.

Guest Editor

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About the Journal

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 disciplines 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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