



Epidemiology and Characterization of Bacteria Isolated from Hospital

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Message from the Guest Editors

Dear Colleagues,

World Health Organization had signaled an alarming increase in the number of multi-drug-resistant (MDR) bacteria, even pan-drug-resistant (PDR) in some cases, isolated in hospital settings, especially in patients with chronic conditions, many of these strains are involved in healthcare-associated infections.

Healthcare settings, especially intensive care units, are significant reservoirs for the emergence and dissemination of antibiotic-resistant bacteria. This situation arises from the heavy use of antibiotics in combination with high-density patient populations that interact frequently.

Generally, this Special Issue aims to provide a comprehensive overview of the current state of knowledge on the epidemiology and characterization of bacteria isolated from hospital settings, as well as highlight areas for future research and intervention.

This Special Issue seeks manuscripts related to the identification, characterization (both phenotypical and genotypical), and epidemiology of bacterial strains isolated from hospital settings. Submissions on the molecular characterization of bacterial strains and the impact of bacterial infections on patient outcomes.





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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 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.

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