

Special Issue

Pathogenic Bacteria: Genomics, Virulence Factors, and Antibiotic Resistance

Message from the Guest Editor

Pathogenic bacteria induce various diseases, such as intestinal infection, urinary tract infection, pneumonia, and even systemic infection, which cause significant harm to human health. Without effective control, bacterial infection will become the most important cause of death worldwide. Effective treatment and prevention of bacterial infections are essential to human health, and scientific research is the foundation of our defense against bacterial infection. In recent years, research on pathogenic bacteria has mainly included investigating bacterial drug resistance, bacterial virulence, and bacterial genomics in various circumstances. Clinical treatment and drug development depend on the mechanism studies of bacterial drug resistance and the function of their virulence factors. Overall, this Special Issue of *Antibiotics* aims to highlight recent findings in our knowledge of pathogenic bacteria studies, including genomics, virulence factors, and antibiotic resistance, and contributors are encouraged to provide original research papers or reviews in the related fields.

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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