



Zoonotic Bacterial Infections: Genetic Studies and Antibiotic Resistance

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Message from the Guest Editors

Dear Colleagues,

Zoonotic bacterial infections are diseases caused by bacteria that can be transmitted between animals and humans. These infections pose a significant public health threat as they can be difficult to control and treat. Genetic studies of zoonotic bacterial infections have helped researchers better understand the mechanisms of transmission, virulence factors, and host susceptibility. Additionally, antibiotic resistance in zoonotic bacteria is a major concern, as it limits the effectiveness of treatment options.

Overall, genetic studies of zoonotic bacterial infections play a crucial role in advancing our understanding of these diseases and developing effective prevention and treatment methods. Addressing antibiotic resistance in zoonotic bacteria is essential to preserving the effectiveness of antibiotics for both human and animal health.

This Special Issue seeks manuscripts that contribute to our understanding of the clinical impact of zoonotic bacterial infections. Submissions that explore the genetic and antibiotic resistance response in Gram-positive and Gram-negative bacteria and their significance in zoonotic infections are particularly encouraged.



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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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