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Foodborne Pathogens: Features of Virulence and Antibiotic Resistance

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Message from the Guest Editors

Foodborne diseases are described as one of the main relevant public health issues around the world. The severity of these diseases is directly associated with the virulence traits of pathogens. These features are different based on the genera and species of pathogens, and specific mutations/deletions/variations in virulence-related genes can increase or decrease their pathogenicity.

Antimicrobial resistance (AMR) in foodborne pathogen is also an emergent concern, and its control is considered as a challenge, based on a One Health approach. Foodborne pathogens are often subjected to distinct selective pressures in the food production chain, which can accelerate the development of AMR. Foodborne diseases caused by resistant pathogens can lead to the use of second- and third-line antibiotics in long-time treatments, causing potential side effects on patients.

In this Special Issue of *Antibiotics*, we invite colleagues to present their most recent and relevant findings on virulence, antibiotic resistance, and AMR epidemiology of foodborne pathogens, aiming to contribute with the scientific community on these topics.

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Editor-in-Chief

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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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