Special Issue

The Microbiology, Virulence and Antimicrobial Resistance of Foodborne Pathogens

Message from the Guest Editor

Foodborne pathogens are an important reason for deaths, hospitalizations, and illnesses. In the European Union (EU) alone, infections of the top five bacterial zoonoses resulted in 326.000 cases, 40.000 hospitalizations and 500 deaths in 2019. This significant health burden highlights the continued need for research aimed to understand the microbiology, virulence, and antimicrobial resistance of foodborne pathogens. With there being already numerous research topics available focusing on genetic alteration due to mutations and recombination as well as the prevalence and spread of antimicrobial resistance or virulence genes, the role and impact of phenotypic variation of foodborne pathogens are less understood. Therefore, this Special Issue will focus on bacterial phenotypes that influence the survival, persistence, or virulence of foodborne pathogens along the food chain. The Special Issue will consist of 15–20 manuscripts, which may include original qualitative and quantitative research, review articles, case series, and opinion papers to provide a comprehensive overview of the current state of knowledge and ongoing research initiatives.

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 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.

Editor-in-Chief

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