Special Issue

Epidemiology, Prevention and Control of Foodborne Microbial Pathogens

Message from the Guest Editors

Understanding the epidemiology, prevention methods, and control of microorganisms causing foodborne diseases is essential for public health. A detailed comprehension of these areas allows the most prevalent pathogenic agents (bacteria, parasites, prions, and viruses) and their transmission routes to be characterized and monitored, enabling the development of effective strategies in order to prevent the contamination of food intended for consumption and consequently outbreaks. This significantly reduces the incidence of diseases, lessens the burden on the healthcare system, and avoids economic losses associated with treatment and productivity loss of affected individuals. Additionally, controlling the spread of pathogens to consumers is crucial for industries which face significant economic impacts during outbreaks or when recalls are necessary. Therefore, this Special Issue aims to collate scientific research studies and literature reviews that provide relevant contributions that improve our understanding of the main routes of food contamination by pathogens and their prevention and control.

Guest Editors

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Prof. Dr. Gabriel Augusto Marques Rossi
Prof. Dr. Juliano Gonçalves Pereira

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

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