

Special Issue

Research on Foodborne Pathogens and Disease

Message from the Guest Editors

Foodborne pathogens, including pathogenic bacteria, viruses or parasites, pose a serious health risk worldwide, causing major economic losses. These pathogens contaminate food during production, processing, storage and transport. Additionally, some bacteria and fungi secrete harmful toxins, which can be resistant to harsh treatments during food processing. Due to novel nutritional trends, including consuming raw and fresh food, a significant increase in the occurrence of foodborne illnesses has been observed. In this Special Issue, we aim to present recent advances in research concerning foodborne pathogens, the understanding of their molecular and microbiologic aspects, mechanisms of bacterial resistance to different agents, as well as biofilm formation and epidemiology. Additionally, to ensure food safety and prevent foodborne disease outbreaks, the development of novel methods for the microbiological detection and identification of foodborne pathogens is of great importance and, therefore, welcomed as a topic in this Special Issue, taking both original research papers and reviews into consideration for publication.

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About the Journal

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.

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