

Special Issue

Research on Foodborne Pathogens and Disease, 2nd Edition

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. Some bacteria and fungi secrete harmful toxins, which can be resistant to harsh treatments during food processing. Due to novel nutritional trends, there has been a significant increase in the occurrence of foodborne illnesses. 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, and biofilm formation and epidemiology. Special attention is also given to food safety risk assessment, predictive microbiology, and modeling approaches that support hazard identification, exposure assessment, and the control of foodborne pathogens along the food chain. The development of novel methods for the microbiological detection and identification of foodborne pathogens is of great importance to ensure food safety and prevent foodborne disease outbreaks. We welcome both original research papers and reviews.

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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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