Special Issue

Microbial Safety, Biotechnology and Antimicrobial Applications in the Food Industry

Message from the Guest Editor

Foodborne pathogens represent a major burden on society, being the cause of many illnesses, hospitalizations, and deaths each year. Microbial pathogens in particular can cause foodborne diseases after the ingestion of contaminated food. Several preservation methods have been developed to ensure microbial food safety. However, the demand for natural antimicrobial agents is increasing due to consumers' concern for their health. Moreover, the use of antibiotics is increasingly bolstering the threat of multidrug-resistant microorganisms, reinforcing the focus of researchers and the food industry on natural antimicrobials. This Special Issue welcomes original research articles, reviews and notes contributing to a better understanding of the impact of biotechnology and antimicrobial compounds on microbial food safety.

Guest Editor

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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.

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