Detection, Control, Risk Assessment, and Prevention of Foodborne Microorganisms

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Message from the Guest Editors

Despite the efforts made by governments and industry in recent decades, enteric foodborne diseases continue being a public health problem worldwide, significantly contributing to the total disease and mortality burden. According to The European Union One Health 2019 Zoonoses Report, the incidence of Campylobacter and Salmonella illness cases in humans remained stable, while Escherichia coli (STEC) infection cases increased from 2015 to 2019. In a new era of food safety, underpinned by a risk-based approach, omics data and quantitative tools are the most promising assets to combat enteric foodborne diseases.

This Special Issue is seeking original manuscripts covering novel approaches for the detection, control, and prevention of enteric foodborne microorganisms. Papers combining quantitative and molecular methods applied to the study of emergence and reemergence foodborne pathogens are particularly welcome. We also invite works that deploy a quantitative risk assessment approach, based on computational tools, to examine existing microbial food safety problems in more depth.

Special Issue

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Message from the Editor-in-Chief

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