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Innovative Techniques for Detecting and Preventing Foodborne Pathogens in Food Processing

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Message from the Guest Editors

Every year, thousands of foodborne diseases caused by bacteria, viruses, and parasites are reported worldwide. This fact highlights the economic and social importance of foodborne pathogens, as they are a major public health issue. Throughout the food chain, there are many steps susceptible to contamination which must be properly controlled. At present, gold standard, reference methods are available for many of these pathogens, but these methods tend to be lengthy, tedious, and time-consuming, so a great effort has been made by the scientific community to develop new techniques capable of overcoming all these limitations. In this Special Issue, we are seeking novel techniques, methodologies, and applications applicable in the food industry, for the detection and prevention of foodborne pathogens. These may include but not be limited to DNA analysis (e.g., PCR/ gPCR, isothermal DNA amplification techniques, nextgeneration sequencing), proteomics, (bio)sensors, and novel sample treatment procedures, among others.









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Message from the Editor-in-Chief

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