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Novel Detection Approaches of Biological and Non-biological Risk Factors in Foods

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Message from the Guest Editors

Dear Colleagues,

Food contaminants include biological and non-biological risk factors, such as foodborne pathogens, mycotoxins, heavy metals, pesticides, veterinary drugs, and illegal additives. Instrumental techniques, such as liquid chromatography (LC), gas chromatography (GC), LC–tandem mass spectrometry (MS/MS), and GC–MS/MS, have been well-established for food analysis. In addition, instrument analysis usually requires a combination of sample preparation methods. Meanwhile, polymerase chain reaction (PCR), enzyme-linked immunosorbent assay (ELISA), and biosensors supplement the instruments, providing new methods for rapidly detecting food contaminants. Establishing a novel, quick, and sensitive detection method provides new technical support and theoretical basis for detecting food contaminants. Therefore, this Special Issue aims to publish the latest research on the novel detection approaches of biological and non-biological risk factors in foods. Additionally, reviews on different detection methods for food contaminants are welcomed.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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