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Analysis and Mitigation Strategies of Biotoxins in Foods

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Message from the Guest Editors

Dear Colleagues,

The effects of exposure to food and feed biotoxins on humans' and livestock's health are very different, ranging from acute poisoning to long-term effects such as immune disorders and cancer. Biotoxins are odorless, colorless, and tasteless chemical substances produced by bacteria, marine algae, fungi, and plants. There is a constant need to develop technologies and control methods for the production of safe foods to protect consumers against exposure to these compounds. Food contamination can occur at any time and at any stage of food production or storage, beginning with the raw material. Rapid, reliable, and sensitive methods are essential for prevention or assessment of a threat or biotoxin-related outbreak. A number of methods (e.g., ELISA, ECL, LFA, ICA, LC-MS, and RT-PCR) could be used for detecting biotoxins, and their detection sensitivities vary dependent on food matrices. This Special Issue is focus on novel information regarding occurrence, analysis, and mitigation approaches on food biotoxins coming from the abovementioned sources.



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Special Issue



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Message from the Editor-in-Chief

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