



Recent Developments of Bioactive Constituents for Food Contaminant Detoxification

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The food industry faces a significant challenge in ensuring food safety and adhering to stringent regulatory standards for levels of heavy metals in food. In addition to the safety aspect, the presence of heavy metals in food can also contribute to consumer concerns, loss of consumer trust, and harm to the reputation of food brands, resulting in monetary losses for the food industry. To overcome these obstacles, researchers, food industry stakeholders, regulatory agencies, and consumers must collaborate to ensure the safety and sustainability of food products.

The adsorption process is considered the most promising technique for removing toxic metal ions and organic pollutants from in vivo or in vitro environments due to its ease of application, high removal efficacy over a wide pH range, and low cost. This Special Issue aims to explore the adsorption materials, molecular binding capacity, and interaction force of cellular detoxification mechanisms.





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Message from the Editor-in-Chief

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