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Advances in Analytical Techniques for Food Quality and Safety

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Message from the Guest Editors

Food safety and food nutrition are two important aspects of food. Chemical contaminants, including pesticides, veterinary drugs, mycotoxins, persistent organic pollutants (POPs), and heavy metal ions, are important factors affecting food safety. Meanwhile, with the widespread concern for nutrition and health, functional bioactive ingredients in food are receiving more and more attention. Hence, with increasing research into food safety and nutrition, the development of advanced technological methods to detect chemical contaminants and emerging bioactive compounds is critical. These needs have prompted researchers concerned with food safety and nutrition to develop advanced analytical techniques. With this Special Issue, we hope to present recent developments in using novel technologies/nanomaterials to monitor/remove chemical contaminants and extract/determinate bioactive compounds in food, exploring the molecular mechanism of contaminants/bioactives in food, and indicating the relationship between targets and food safety/dietary health to promote the health risk assessment of chemical contaminants and to make full use of functional substances in food.



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Special Issue



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Message from the Editor-in-Chief

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