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Proteomics and Food Analysis: Principles, Techniques, and Applications

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Message from the Guest Editor

The recent successes of proteomics methodologies make them a favorable strategy for food science studies. In this Special Issue, we will look at the latest advances in techniques and applications of proteomics in food analysis. The latest advances in bottom-up proteomics techniques, shotgun proteomics, top-down proteomics, targeted proteomics, modoficomics, data-dependent acquisition (DDA), data-independent acquisition (DIA) strategies, and protein-chips/biosensors applied to food analysis are included in this Special Issue. Thus, the power of these methodologies allows the food characterization, food authenticity, identification of quality markers, detection of food allergens, food microorganism detection, detection of food parasites, food processing analysis, identification and study of bioactive food compounds, bioinformatics analysis of food components and by-products, and the metabolic and systems biology study of food components from a nutritional or functional point of view, among others.



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Special Issue



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Message from the Editor-in-Chief

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