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Structural Characterization of Food Proteins and Peptides

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Message from the Guest Editors

In recent decades, the agrifood sector, due to the globalization and the development of new technologies, is undergoing important changes that require a deeper characterization of the food chain, starting from raw materials up to the final products. There is no doubt that proteins represent the key factor in the human diet, primarily sourced from animals and plants such as dairy, cereals, fish, and meat. Characterization of the protein fraction in foodstuffs may help us to understand the relationship between the protein content and the nutritional and technological properties of foods, for designing new strategies for food traceability, quality, and safety, and also for identifying genetically modified products and microbial contaminants. Moreover, considering the widespread presence of allergenic proteins in some of the most extensively eaten food (i.e., milk, eggs, cereals, etc.), it is clear how the detection of allergenic proteins represents a powerful tool for food control, providing the basis for the production of hypo-allergenic or nutraceutical foods (Pharma-Foods).



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Special Issue



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Message from the Editor-in-Chief

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