



Biochemical Composition of Food

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Message from the Guest Editors

In recent years, the principles and knowledge of food biochemistry have become indispensable in practically all major disciplines of food science, including food processing, food engineering, food technology, and food safety. The aim of the research is to reach an understanding of health-promoting compounds in plant- and animal-based foods and the possibility to utilize their characteristic chemical features and reactions to improve food quality from a nutritional, technological, or sensory point of view. The goals of the research are met by bridging traditional gaps between food components and their end products after reactions, and the possibility to steer those reactions in desired directions. Key activities of the research should include the utilization of modern methods for analyzing food components, model systems to study their reactions, and efficient statistical tools for data analysis to get the maximum informative value out of the data obtained.

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