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Extraction and Analytical Methods in Food Technology

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Message from the Guest Editors

Extraction and analysis methods are used simultaneously to preserve the quality and safety of food. They are used to detect and quantify contaminants (such as heavy metals, pesticides, and mycotoxins), and to assess the nutritional content within foods. These methodological advances have increased the accuracy, sensitivity, and speed of food analysis, giving us greater confidence in the safety and quality of the food we eat. Extraction methods commonly used in food technology include solvent extraction, solid-phase extraction, and supercritical fluid extraction. Analytical methods used in food technology include chromatography, spectroscopy, and electrophoresis.

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