

Special Issue

Foodomics Approaches—Technologies and Their Applications

Message from the Guest Editors

Foodomics is a comprehensive, high-throughput *tool facilitating* food science to improve human nutrition. This new approach to food and nutrition studies the food domain as a whole, alongside the nutrition domain, achieving the main objective of optimizing human health and well-being. Thus, it provides valuable insights into food safety, quality control, and authenticity, enabling better regulatory practices and ensuring consumer trust. In recent years, the applications of foodomics span the food system, from production, processing, distribution, and storage (food authenticity, traceability, and safety) to consumption, including dietary guidelines and the emerging field of precision nutrition. Specifically, NMR-based and MS-based metabolomic approaches have been applied to study food at the molecular level and advance nutritional food research by controlling food quality and safety, identifying health-promoting food constituents and investigating the impact of dietary patterns in relation to human health.

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About the Journal

Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

Editor-in-Chief

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