

Special Issue

Modern Methods and Practical Applications of Metabolomics to Food Science and Nutrition

Message from the Guest Editors

Food metabolomics is the application of metabolomics in food systems, which undoubtedly contribute to a greater biochemical understanding of foods, as well as a molecular comprehension of bioactivities or changes in food production processes. Metabolomics is also a valuable tool for determining the authenticity of food, which has been used to evaluate several problems such as food safety, food quality, authenticity, and traceability. It can be also used to define hundreds of compounds in foods, identify food byproducts in human biofluids or tissues, characterise nutrient deficits or excesses, follow biochemical reactions to dietary treatments, and track eating habits. This Special Issue of *Metabolites* will address both qualitative and quantitative analytical methodologies used to examine food metabolites holistically in connection to medicinal and nutritive variables. We will evaluate research papers with a particular emphasis on analytical breakthroughs that can be used to boost food metabolome coverage, as well as improved detection or extraction methodologies. Manuscripts dealing with the application of metabolomics in food–gut interaction are highly encouraged.

Guest Editors

Dr. Ahmed Mediani

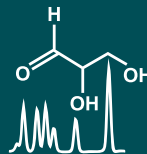
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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

Dr. Amedeo Lonardo

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