

Special Issue

Metabolomics to Understand Diet-Related Metabolic Diseases

Message from the Guest Editor

Diet-related metabolic diseases pose significant public health challenges. Metabolomics serves as a powerful tool to decipher the intricate relationship between dietary factors and metabolic health. Metabolomics studies have already paved the way for precision medicine and demonstrate potential for precision nutrition in the context of diet-based pathologies. This Special Issue seeks to underscore the methodological advancements that highlight the suitability of metabolomics for exploring the relationship between diet and key pathologies (diabetes, neuronal disorders and cardiovascular diseases) and also investigate the benefits of certain diets (Mediterranean diet and ketogenic diet). Authors are encouraged to focus on the study of biofluids to determine the endometabolome (serum, tissue or cell extract) as well as exometabolome (cell culture supernatant or urine) from a diverse range of models that include in vitro models, animals, and patient cohorts. This Special Issue especially invites contributions that employ a quantitative metabolomics strategy.

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Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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