

Special Issue

Application of New Metabolomics Approaches in Studying the Nutrition-Microbiome Reciprocal Interaction

Message from the Guest Editor

It has been long accepted that the onset of disorders is the result of an interaction between a genetic predisposition and the environment, encompassing dietary regimen and lifestyle. However, the underlying mechanisms are still subjects of intense research. In more recent years, there has been mounting evidence pointing to a major role of the gut microbiota and its reciprocal relationship with macro- and micronutrients, in the modulation of diseases such as obesity, metabolic dysfunction-associated steatohepatitis, and vasculopathies. With the above paradigm in mind, innovative and constantly evolving technologies in the fields of genomics, epigenomics, transcriptomics, proteomics, metabolomics, and microbiomics have the potential of uncovering complex interactions between host, nutrients, and microbiota. The information collected in this Special Issue, when applied, should contribute to the improvement of dietary protocols both as preventive and curative measures.

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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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