

Special Issue

Functional Components and Their Modulation of Metabolism

Message from the Guest Editor

Functional components are being increasingly recognized to have various potential health benefits on host. Functional components significantly influence the physiological status of the host by modulating their metabolism, such as lipid metabolism, glucose metabolism, bile acid metabolism, energy metabolism, etc. Furthermore, the gut microbiota has been regarded as ‘a metabolic organ’ in the host. It is also increasingly appreciated that some small molecule metabolites produced by gut microbiota are important signaling molecules that mediate the metabolic processes in the host. Therefore, functional components may also modulate the metabolism through the gut microbiota. This Special Issue of *Nutrients* welcomes the submission of original research and systematic reviews, as well as mini-reviews and short communications, related to the structure, composition and dose of functional components that modulate metabolism, their importance in health and well-being maintenance, and their potential to counteract the development of various diseases.

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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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