

Special Issue

Interactions between Dietary Flavonoids and Gut Microbiome

Message from the Guest Editor

Flavonoids are a class of polyphenols that widely exist in diets in the form of fruits, vegetables, tea, etc. Dietary flavonoids have gained more attention in recent years due to their various bioactive activities, such as anti-inflammation, antioxidation, and being able to ameliorate intestinal barrier function. These suggest that the consumption of dietary flavonoids might reduce the risk of inflammatory bowel diseases and diseases caused by reactive oxygen species. Upon ingestion, flavonoids are digested by enzymes in the small intestine to increase their bioavailability. However, most flavonoids are metabolized by gut microbiota. It has also been confirmed that the addition of flavonoids alters the composition of intestinal microbiome, which might be associated with their bioactivities. The goal of the Special Issue, “Interactions between Dietary Flavonoids and Gut Microbiome” is to focus on how dietary flavonoids and the gut microbiome interact with each other and the underlying mechanism of their interactions.

Guest Editor

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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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