

Special Issue

Dietary Fiber, Gut Microbiota and Metabolic Disorder

Message from the Guest Editor

As an important nutrient, proper intake of dietary fiber plays an important role in maintaining the health of humans and animals. There is a wide range of interactions between dietary fiber and intestinal microbiota, and the beneficial products of dietary fiber fermentation by intestinal microbiota have excellent effects in regulating metabolic disorder.

This Special Issue "Dietary Fiber, Gut Microbiota and Metabolic Disorder" aims to include latest research on the interaction between dietary fiber, intestinal microbiota and metabolic disorders. We welcome manuscripts on subjects including, but not limited to, the following subtopics:

- (1) Characterization of the structure of different types of dietary fibers.
- (2) Mechanism of interactions between dietary fiber and intestinal microbiota.
- (3) Preventive and therapeutic effects of degradation products of intestinal microbiota on metabolic disorder in humans and animals.
- (4) Preventive and therapeutic effects of metabolites of dietary fiber fermentation by intestinal microorganisms on metabolic disorder in humans and animals.
- (5) Potential mechanisms of metabolic disorder alleviation by dietary fiber based on multi-omics.

Guest Editor

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Deadline for manuscript submissions

closed (5 September 2024)



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About the Journal

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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