

Special Issue on
**Interplay Between Gut Microbiota and Dietary
Components and Their Implication in Human Health**

CALL FOR PAPERS

The human gut is colonized by trillions of microbiota. Gut microbiota composition and function are symbiotically linked to host health. The dysbiosis of gut microbiota has been associated with the development and progression of a wide range of human diseases, including immune, neurobehavioural, and metabolic diseases. Gut microbiota has become an important target for the prevention and treatment of various diseases.

Dietary components and microbiota in the colon interact in a reciprocal manner as bacteria can metabolize dietary components to produce various metabolites, and dietary components can modulate microbiota composition and functions. This interaction, which remains to be elucidated, is anticipated to have a significant impact on the development of a range of chronic diseases locally and/or systemically. A detailed understanding of this interaction will greatly facilitate the development of diet-based strategies for inhibiting chronic diseases.

This special issue aims to provide new and consolidated information regarding the interplay between gut microbiota and dietary components and their implication in human health. We encourage authors to submit papers that elucidate how the dietary components modulate the function of gut microbiota; gut microbiota modulates the absorption and metabolism of important dietary components, as well as the role of the interplay between gut microbiota and food components in the development of human diseases.

Potential topics include but are not limited to the following:

- ▶ Modulation of dietary components on gut microbiota
- ▶ Gut microbiota-mediated metabolism of food components
- ▶ The relationship among dietary components, gut microbiota and health/disease
- ▶ Personalized nutrition based on gut microbiota
- ▶ Metabolic pathways of the gut microbiota
- ▶ Factors influencing the gut microbiota and strategies to modify the microbiota for better health

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/jnme/ibg/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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