

Special Issue

Nutritional Management of Intestinal Microbiota and Related Host Health

Message from the Guest Editors

The gastrointestinal (GI) tract represents one of the largest interfaces between host and environmental factors. It responds to signals originating in the 'outside lumen' including nutrients, mechanical factors, drugs, and toxins to determine whether the intraluminal content is absorbed or rejected. It also functions as central neuroendocrine, barrier and immune organ all of which is critical for overall host health and wellbeing. An increasing number of recent studies shows an association between human gut microbiota perturbations and pathological conditions such as inflammatory bowel disease (IBD), irritable bowel syndrome (IBS), obesity and systemic low grade inflammation as well as mental and cognitive disorders. If these associations prove to be causative, a targeted modulation of the gut microbiota may offer not only preventative but also novel therapeutic approaches. We invite both academic and industry researchers to contribute to this Special Issue with the aim to summarize recent advances in studies of diet and nutrients to beneficially modulate gut microbiota and related GI and overall host health.

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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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