



## Nutritional Management of Intestinal Microbiota and Related Host Health

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### 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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