Special Issue

Gut Microbiome and Nutrients: The Two Variables, Determining Factors for Human Traits and Diseases

Message from the Guest Editor

The gut microbiome has opened a new horizon for biological science by showing that the gut microbiome contributes significantly to the traits of humans and diseases as much as genes. The etiological role of the gut microbiome has been shown with atherosclerosis, hypertension, obesity, diabetes, metabolic syndrome, inflammatory bowel disease, etc. In the gut, the growth of each bacterium is primarily determined by nutrients, suggesting them as the main determining factors for the composition of the gut microbiome. Considering microbes' dependency on specific nutrients, the gut microbiota could be the missing link between nutrients and human traits. Thus, the effect of nutrients on human traits and diseases would be the combined results from the nutrients and the gut microbiome. The aim of this Special Issue is to gather more information on the gut microbiome and nutrients. We would like to invite researchers to submit their research or review articles on the gut microbiome and nutrients concerning various aspects.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2022)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/64128

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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