Special Issue

Bioactive Substances, Gut Microbiome, and Host Health

Message from the Guest Editors

The complex interactions occurring between gut microbes and the host are recognized as comprising one of the key factors regulating host health. More and more studies have confirmed that a variety of bioactive substances can be used to maintain the health of the human host. In this Special Issue, we will focus on the effects of bioactive substances on the gut microbiome. We encourage you to submit your latest research results or review articles in order to contribute to the knowledge on the key role played by bioactive substances in regulating the gut microbiota. Topics can include:

- The interaction between the gut microbiota and bioactive substances;
- Gut microbiota dysbiosis and disease development;
- The role of bioactive substances in regulating the gut microbiota;
- The mechanisms of bioactive substances in nutrient metabolism and immune regulation;
- The regulation of energy balance and immune mechanisms by the gut microbiota;
- Prospects for applications of bioactive substances in the maintenance of human host health.

Guest Editors

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About the Journal

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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