



Gut Microbiome and Functional Foods

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Message from the Guest Editors

Dear Colleagues,

This Special Issue will collect research on microbiome in relation to functional foods to illuminate the microbiome role and functions in health and disease. Functional foods are foods that go beyond the classic eating habits and usually have a beneficial effect on their host. Functional foods are well known to hold an important role in the composition and balance of the intestinal ecosystem.

Still, another important issue is the spreading of antibiotic resistance into consumed dairy and meat products that could select some bacterial species. The immune status, induced mechanisms and interactions that regulate the gut microbiota, as well as the clinical applications of microflora in the treatment and prevention of diseases, will be discussed. Research into both human and animal microbiomes and how it affects health status will be considered. Therefore, optimizing nutrient intake is a mighty factor in maintaining digestive health.

Lastly, awareness of the relationship between food and health must be constant through development of permanent surveillance systems.

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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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