



Dietary Nutrition and Gut Microbiota

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Message from the Guest Editors

Dear Colleagues,

There is growing evidence that the relationship between the intestinal microbiota and individual health outcomes is influenced by diet. Consumption of various nutrients affects the composition of the gut microbial community and provides metabolites that influence the host's physiology. Diet characteristics, including macronutrient balance and diet patterns and restrictions, bacteria in and on foods, a wide range of potentially prebiotic compounds and the degree of processing/cooking influence gut homeostasis through its impact on bacterial metabolism and have consequences for the immune and metabolic response. Acquiring knowledge of these aspects, especially through an omics-integral approach, might provide the basis for personalized nutritional interventions aimed at avoiding dysbiosis and its contribution to major chronic degenerative diseases.

In this scenario, any investigation on dietary nutrition and the shape and function of the microbiota in relation to health and the prevention or treatment of disease, is welcome in this Special Issue.

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Message from the Editor-in-Chief

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