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The Interplay between Food Intake and Gut Microbiota

Guest Editor:

Dr. Minjie Zhao

College of Biosystems
Engineering and Food Science,
Zhejiang University, Hangzhou
310058, China

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Message from the Guest Editor

Dear Colleagues,

The special issue explores the complicated correlation and dynamic interaction mechanism between dietary choices and the intricate bacterial community inhabiting the gastrointestinal tract. This interplay is a crucial element in digestive processes, the gut barrier, inflammation, host metabolism, immunity, and general health and well-being. These microbes and metabolites have a vital role in metabolizing nutrients, regulating the immune system, and even impacting mental well-being and food choice of host. The symbiotic relationship between host and gut microbes has been proven to be influenced by food intake, which has far-reaching implications for various aspects of host health. In summary, studies on the intricate relationship between dietary intake and gut microbiota would provide valuable insights on developing personalized nutrition strategies and innovative approaches for promoting optimal health at the intersection of diet and microbial ecology.



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Special Issue



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Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science,
Purdue University, West
Lafayette, IN, USA

2. Department of Comparative
Pathobiology (Courtesy), Purdue
University, West Lafayette, IN,
USA

Message from the Editor-in-Chief

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Foods Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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