

Special Issue

Enriching the Gut Microbial Functionality through Daily Meals

Message from the Guest Editors

The versatility of the multifaced biochemical, hormonal, neural and immunological effects mediated by the gut microbiota, and their metabolites in every nook and corner of the body, even reaching the brain, has kept the spark lit for research on gut microbiota since it was first studied. The evolution of omics, related cutting-edge technologies and integration with data science have transformed gut microbiota research toward disease diagnostics, precision nutrition and gut bacterial transplants. However, gut bacterial modulation through natural bioactive substances in agricultural products would still be the economically and environmentally most sustainable means of gut bacterial modulation. As such, this Special Issue aims to publish original research articles and reviews on the identification, isolation and characterization of new natural prebiotics; improved extraction methods for prebiotics; processing methods to enhance the prebiotic potential of processed foods; identification and characterization of new postbiotics; elucidation of metabolic pathways for the gut bacterial metabolism of prebiotics; and disease amelioration effects of prebiotics.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

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