

Special Issue

Host-Microbiome Interactions in Health and Disease

Message from the Guest Editor

In this Special Issue, we invite you to share your research in the field of microbiome–host interactions. The recent advent of large-scale post-genomics technologies now allows us to study these interactions at unprecedented resolution. We welcome studies focused on mechanisms of microbiome–host interactions in various contexts, for example: in cardiometabolic diseases; studies of gut–brain connection; the mechanism of action of microbiome-produced metabolites, such as short chain fatty acids; and investigations of the human gut microbiome as a therapeutic target with administration of pre-/pro-biotics. We also invite articles focused on the development of research methodologies, including innovative methods in metaproteomics, metagenomics, microbial metabolomics, bioinformatics analysis, and network and data integration. In addition, we welcome studies on microbiome–host co-evolution and the role that the gut microbiome plays in the domestication of agriculturally important species.

Guest Editor

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Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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