

Special Issue

Current Research on the Role of the Gut Microbiota in Human Diseases and Health

Message from the Guest Editor

In the current era of omics technologies, the intestinal microbiome is a prevalent topic in human health that is of interest to experts in all medical specialties. Early research on the gut microbiome took place in the 1840s, when Metchnikov's seminal work laid the scientific foundation for the existence of gut microorganisms and presented the first ideas about their clinical applications. The accessibility of this field is constantly growing; while only one scientific paper was published on this subject per month in the year 2000, today, there are about 1000. In 2007, the Human Microbiome Project was launched by the US National Institute of Health, whose mission was to generate the resources and expertise needed to characterize the human microbiome and analyze its role in health and disease. This Special Issue focuses on recent research progress on the microbiome, including the impact of diet on the microbiota and the influence of gut microbiota metabolites on human health and disease. We invite experts interested in this thematic issue to submit original manuscripts and reviews on any of the above-mentioned topics.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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