

## Special Issue

# Probiotics, Prebiotics, Synbiotics and Postbiotics in Intestinal Health and Disease

### Message from the Guest Editor

The gut microbiota creates a very complex network of dependencies, containing approximately 200 to 1000 species of bacteria. It's function ranges from immunity to regulation of inflammation and gut barrier to the production of some vitamins to pathogens' growth inhibition to influencing the nervous system's development.

The current definition of probiotics developed by the Food and Agriculture Organization states that probiotics are "live microorganisms that, when administered in adequate amounts, confer a health benefit on the host". Probiotics administration seems to be the most efficient intervention in ameliorating the gut microbiota state.

This Special Issue aims to present the latest research regarding molecular aspects of the association between probiotic and prebiotic supplementation and intestinal health. We hope to present the latest knowledge on probiotic supplementation and its impact on the health of the digestive system to promote awareness among the scientific world and clinical medicine practitioners. Both original research articles and comprehensive reviews are welcomed.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 October 2023)



## International Journal of Molecular Sciences

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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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### Editor-in-Chief

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