



Role of Gut Microbiota in Disease Prevention

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Message from the Guest Editors

Dear Colleagues,

We are witnessing massive improvements in disease treatment worldwide and yet are still challenged/faced with a high incidence of non-communicable diseases that are often preventable or whose later stages could be postponed by different interventions like lifestyle changes or pharmaceutical prophylaxis. Gut microbiota has been implicated in numerous processes within the human body helping to preserve a healthy homeostasis (such as colonization resistance, immune system modulation, and the metabolism of different essential compounds), but these mechanisms of action still need further research to turn associations with diseases to effective treatments using living microorganisms, which is a promising future tool in disease prevention.

This Special Issue aims to collect the latest findings on the mechanisms of gut microbiota disease prevention considering both exposomes and intrinsic factors in a holistic approach that may help us advance our science and understanding of this complex subject.





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