



Microbiota in Human Health and Diseases

Guest Editors:

Message from the Guest Editors

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This Special Issue aims to provide a comprehensive overview of recent advances in human microbiota research and its impact on health and diseases. This Special Issue aims to explore the intricate interactions between the microbiota and the human immune system, shedding light on how the microbiota can influence immune responses and susceptibility to autoimmune diseases. Furthermore, it delves into the multifaceted role of the microbiota in digestion and metabolism, with a focus on its impact on conditions like obesity, diabetes, and metabolic disorders.

Additionally, the Issue aims to explore the involvement of the microbiota in mental health, particularly the correlation between the gut microbiota and neuropsychiatric disorders such as depression and anxiety. Further, we seek to provide insight into the potential of microbiota-based therapeutic strategies, including probiotics, prebiotics, and fecal microbiota transplantation, in the treatment of various diseases. Lastly, discussions surrounding the ethical and regulatory challenges tied to microbiota research and its applications are welcome.





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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