

Special Issue

Recent Advances and Future Perspective in Microbiota and Probiotics

Message from the Guest Editor

A number of diseases are associated with alterations in the composition of the microbiota of various niches of higher organisms. Although, in most cases, it is unclear if these alterations are the cause or the consequence of disease, they provide a rationale for therapeutic or prophylactic manipulation of a dysbiotic microbiota. Approaches to manipulate the microbiome often include administration of live bacteria, so-called probiotics. Probiotics are generally defined as live microorganisms that upon use in specific and sufficient numbers confer health benefits to the host. Recognition of the beneficial effects of some bacteria has encouraged the development of probiotics as treatment for disease. There are several bacterial strains or products, which have a long tradition of use and a somehow interesting history. In this Special Issue, we want to create a platform for high-quality publications on the various aspects of the history, application, and especially molecular interactions of probiotics in plants, animals, and humans.

Guest Editor

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Message from the Editor-in-Chief

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