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Probiotics: Selection, Cultivation, Evaluation and Application

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Message from the Guest Editors

Dear Colleagues,

The FAO/WHO committee has since defined ‘probiotics’ as a unique group of microbes that confer a range of health benefits on their hosts when consumed. Since then, several studies have investigated the in vitro and in vivo activities of various lactic and non-lactic acid-producing bacteria. There are several factors that researchers in the food and allied sectors use to screen probiotic candidates—antimicrobial protocols, tolerance assays, EPS production, DPPH-IV inhibition, among others. It is noted that some studies have reported conflicting findings, which have prompted further investigations. Probiotics have been recognized to play important roles in health and industry for several years. These include direct and indirect uses such as cholesterol-lowering, anti-inflammatory, and anti-oxidative properties. In addition, the use of molecular tools like next-generation sequencing (NGS) holds great potential in unlocking and understanding the immense possibilities that these sensational microorganisms have.



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Special Issue



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Message from the Editor-in-Chief

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