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Probiotics and Homeostasis: How Probiotics Interact with Digestive Systems to Participate in Human Health

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Message from the Guest Editors

This Special Issue focuses on the versatile bioactivities and molecular mechanisms of probiotics and their metabolites. Probiotics and their metabolites can interact with various gastrointestinal components (from oral cavity, stomach, gut, etc.) to maintain physiological homeostasis, including intestinal microenvironment regulation, gut microbiota interference, biological barrier formation, epithelial cell metabolism intervention, and so on. Moreover, probiotics/metabolites also interact with food digests to play a crucial role in nutrition, digestion, absorption and metabolism. Revealing the efficacy and corresponding interactions between probiotics/metabolites with gastrointestinal components will promote the comprehensive understanding of this topic, the development of innovative strategies and the advancement of promising applications for future probiotics-mediated health interventions. Original research articles, short communications, and reviews are all welcome in this Special Issue.

We look forward to receiving your contributions!



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