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Advances in Food Bioactive and Gut Microbiota Interactions

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Deadline for manuscript submissions:

closed (31 July 2024)

Message from the Guest Editors

Dear Colleagues,

Our gut hosts trillions of microorganisms, playing a vital role in our ecosystem. It faces a dynamic environment influencing gut microbiota's composition, function, and metabolism. Diet, antibiotics, pathogens, and lifestyle are key factors affecting host metabolism, with diet being the most prominent. Food bioactives, e.g., polysaccharides, polypeptides, and phytochemicals, are integral to our diets. The gut microbiota adapts to these bioactives, bolstering internal stability. This Special Issue explores the dynamic interplay between food bioactives and gut microbiota, with implications for preventing chronic diseases.

We welcome contributions on: gut bacteria processing food bioactives, evaluating bioactive metabolites, impact on gut microbiota structure/function, mechanisms preventing chronic diseases, and innovative delivery systems enhancing bioactive stability and targeting colon release.

Specialists in related areas are invited to submit manuscripts. Please contact the editors to discuss your contribution beforehand.

Dr. Er Sheng Gong

Dr. Kexue Zhu

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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