

Special Issue

Advances in Food Bioactive and Gut Microbiota Interactions

Message from the Guest Editors

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.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2024)



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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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