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Interactions between Food Chemistry and Gut Microbiota

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Message from the Guest Editors

This Special Issue is devoted to “Interactions Between Food Chemistry and Gut Microbiota”. It will cover a selection of current research topics, including but not limited to the following:

- The identification of specific microorganisms and enzymes involved in the modulation of gut microflora alteration and metabolic processes, particularly those associated with the metabolism of dietary components and some host-generated substances.
- The digestion, bioavailability, bioaccessibility, and transformation of bioactive compounds of the food matrix that affect the composition and function of the gut microbiota associated with host health and disease.
- Novel methodologies to explore the interactions between the gut microbiota, diet, and host.
- The molecular and cellular mechanisms underlying the role of the gut microbiota in food tolerance and allergies.
- The development of functional food with beneficial impacts on gut health and the overall well-being of the host;
- Emerging technologies for food processing to improve its nutritional and bioactive compounds that have beneficial effects on the gut microbiota and metabolic syndrome.



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Message from the Editor-in-Chief

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