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Postbiotics: Emerging Applications in Food Field

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Message from the Guest Editors

The application of probiotics still faces techno-functional barriers such as viability, survival in the digestive system, colonisation in the colon, and the cell density of beneficial microbes in comparison with the total cell number in the gut. Additionally, the composition of gut microbiota varies between populations and even individuals, leading to differences in microbial metabolites, responses to interventions, etc. Fermented foods also contain a number of non-viable cells that were beneficial in their living form. Therefore, the emerging postbiotics may help to overcome these limitations by turning the focus from viable towards non-viable probiotics with many advantages.

This Special Issue is calling for original research papers, short communications, reviews, and mini reviews that report on the fermentation of probiotics, the inactivation of probiotic cells, probiotic cell disruption, the production of postbiotics, scaling-up, the purification of bioactive components, their functional properties and health benefits, the application of postbiotics in food, etc. In addition, reports on clinical trials or nutrition intervention studies are also welcomed.



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Special Issue



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Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

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