

Special Issue

Biotechnology in Food Processing: Generation and Utilization of Functional Sugars

Message from the Guest Editors

Functional sugars, a class of bioactive compounds, have emerged as crucial contributors to human health and well-being. This comprehensive collection aims to provide an in-depth analysis of current advancements, challenges, and future directions in the bioproduction of functional sugars, while also examining their expanding roles in the food and pharmaceutical industries.

We invite contributions addressing, but not limited to, the following research areas:

- Innovative approaches in biosynthesis and biocatalysis for functional sugar production;
- Application of synthetic biology approaches for optimized biosynthesis of functional sugars in engineered microbial cell factories;
- Development of high-performance functional sugar-producing strains through high-throughput screening technologies;
- Utilization of functional sugars in food and pharmaceutical industries;
- Enzyme engineering strategies for enhanced bioproduction of functional sugars.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

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