

Special Issue

Research on Analysis, Structural Characterization and Metabolism of Carbohydrates

Message from the Guest Editor

Carbohydrates are fundamental to biological systems, nutrition, and health. This Special Issue invites original research and reviews that advance our understanding of carbohydrate analysis, structural characterization, and metabolic pathways. We seek contributions that explore cutting-edge analytical methods—such as chromatography, spectroscopy, and mass spectrometry—to uncover the complexity of carbohydrate structures, from simple sugars to intricate polysaccharides.

Manuscripts addressing the relationship between carbohydrate structure and functional or metabolic outcomes, including glycemic response, gut microbiota modulation, and bioactive properties, are especially welcome. By bringing together advances in analytical chemistry, structural biology, and nutritional science, this Special Issue aims to foster new insights that can guide innovation in food design, therapeutic development, and metabolic health strategies. We encourage researchers from diverse disciplines to submit their latest findings and help shape the future of carbohydrate science. Join us in highlighting the pivotal role of carbohydrates in science and society!

Guest Editor

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Deadline for manuscript submissions

closed (31 May 2026)



Foods

an Open Access Journal
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Impact Factor 6.0
CiteScore 10.3
Indexed in PubMed



mdpi.com/si/240141

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).