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Food Polysaccharides and Oligosaccharides: Enzyme Treatment, Structural Analysis, and Functional Bioactivity Value

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Message from the Guest Editors

Food oligosaccharides, a class of carbohydrates composed of a small number of monosaccharide units, have raised significant attention due to their diverse functional properties and potential health benefits. This Special Issue is designated to explore the multifaceted nature of food oligosaccharides, focusing on enzyme treatment, structural analysis, and their bioactivity. Recent studies have demonstrated that enzyme-treated oligosaccharides can significantly enhance functional properties, such as solubility, sweetness, stability, and functionality, making them suitable for various applications. Structural analysis has revealed intricate details about oligosaccharide glycosidic linkages and their impact on biological activity. Functional bioactivity studies have highlighted the role of oligosaccharides in modulating gut microbiota and enhancing the overall host physiological state, which is critical for developing functional foods aimed at improving health outcomes.



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Special Issue



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Message from the Editor-in-Chief

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