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Research Advances of Modification and Nutraceutical Properties of Polysaccharide

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Deadline for manuscript submissions:

closed (30 November 2022)

Message from the Guest Editors

Dear Colleagues,

As a group of important biopolymers, polysaccharides exist widely in living organisms and play many known and unknown biological roles in life activities via different pathways. A growing understanding and deeper investigation of polysaccharides are driving the development of natural polysaccharides for novel applications, especially for the treatment of chronic diseases, e.g., obesity and diabetes. In recent years, the gut microbiota has been considered an important organ and plays a critical role in host health and diseases, and emerging evidence indicates that dietary polysaccharides are effective for the modulation of gut microbiota. Notably, the nutraceutical properties of polysaccharides are dependent on their chemical structures and chain conformations, and thus, the structural identification of polysaccharides and their derivatives is helpful for their development and application in the food and pharmaceutical fields.



mdpi.com/si/101879

Special Issue



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Message from the Editor-in-Chief

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