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## Carbohydrate Chemistry, Nutrition and Utilization

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submissions:

**closed (15 August 2023)**

### Message from the Guest Editors

Dear Colleagues,

Food carbohydrates, commonly known as sugar, starch, and fiber, are the most abundant and least costly food sources. According to the degree of polymerization, food carbohydrates are divided into three main groups: sugars, oligosaccharides, and polysaccharides. Carbohydrates in foods comprise a great variety of different structures, leading to a wide range of different physiological effects in the human body. This being the case, exploring the physiological properties of different types of carbohydrates and their involvement in health and disease is critical to food production. This Special Issue, titled “Carbohydrate Chemistry, Nutrition and Utilization”, will cover wide research topics, including, but not limited to, the following:

1. Relationship between the chemical structure of carbohydrates and its functions;
2. Carbohydrates and gut health as well as function;
3. Production and utilization of functional carbohydrates from food processing byproducts;
4. The physical and biological properties of carbohydrate-modified nanostructures;
5. Utilizations of novel carbohydrates in functional foods.

Prof. Dr. Yafeng Zheng

Dr. Qi Wang

*Guest Editors*



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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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