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Biosynthesis, Structure and Utilization of Food-Derived Natural Polysaccharides

Guest Editors:

Prof. Dr. Zhongyang Ding

School of Biotechnology,
Jiangnan University, Wuxi, China

Dr. He Liu

College of Food Science and
Technology, Bohai University,
Jinzhou 121013, China

Dr. Lei Chen

School of Biotechnology,
Jiangnan University, Wuxi, China

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Message from the Guest Editors

Dear Colleagues,

Polysaccharides are the most abundant macromolecules found in natural resources, such as plants, algae, fungi and bacteria. With a unique and complex structure, polysaccharides exert several biological and pharmacological effects and are therefore among the most promising possibilities in the food, cosmetics, biomaterials, and pharmaceutical fields. Accordingly, an increasing number of polysaccharides have been identified from various sources, which have been deeply characterized and modified, and on which studies have been performed with regard to their structure–function relationships. In addition, biosynthesis of tailored natural polysaccharide has also attracted increasing attention.

Therefore, we would like to invite authors to contribute original research articles or review articles focused on advances in natural polysaccharides and their derivatives, which have current or potential utilizations in fields such as functional foods, nutraceuticals, cosmetics, and pharmaceuticals.



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Special Issue



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Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science,
Purdue University, West
Lafayette, IN, USA

2. Department of Comparative
Pathobiology (Courtesy), Purdue
University, West Lafayette, IN,
USA

Message from the Editor-in-Chief

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Contact Us

Foods Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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