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Advances in Research on Physiological Functions by Plant Polysaccharides

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Message from the Guest Editor

Dear Colleagues,

Previous studies on physiological functions derived from medicinal plants have been focused on low-molecular-weight substances such as flavonoids, carotenoids, terpenoids, and alkaloids.

In recent years, research on natural-substance-derived polymer substances (tannins, proteins, polysaccharides) has emerged. Many reports on various physiological functions, especially regarding plant-derived polysaccharides, are increasing, including macrophages' stimulatory, anti-metastatic, anti-angiogenic, and intestinal immune-modulatory activities.

In this Special Issue, we would like to present studies that discover new physiological functions of polysaccharides, characterize the chemical properties and/or conduct structural analyses of bioactive polysaccharides, and elucidate their molecular mechanisms.

Prof. Myoung-Sook Shin

Guest Editor



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Special Issue



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