



Chemical and Physical Properties of Polysaccharides and Their Derivatives

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Message from the Guest Editor

Dear Colleagues,

Cellulose and starch are the first and second most abundant biopolymers produced on Earth. They are non-toxic, cost effective, and biodegradable. Unsurprisingly, considering these advantageous features, polysaccharides are increasingly viewed as feedstocks that could be used to mass produce chemicals and materials with novel properties. Contrary to proteins and DNA, which Nature produces with a high level of accuracy, polysaccharides are usually poorly defined, complicating their characterization and chemical modification. They are typically polydisperse in size, branched to different degrees, and often crystalline. These characteristics complicate the study of polysaccharides. Consequently, polysaccharides are currently the focus of intense research aimed at finding new ways to characterize and modify them. This Special Issue aims to provide a platform to showcase recent research advances in the active field of polysaccharide research.

Prof. Dr. Jean Duhamel
Guest Editor





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Message from the Editor-in-Chief

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