Special Issue

Activity and Structural Characteristics of Polysaccharides

Message from the Guest Editors

Polysaccharides are linear or branched macromolecular compounds composed of multiple monosaccharide units linked by glycosidic bonds, which can be widely found in plants, fungi, and algae. In recent years, the role of polysaccharides both in normal cellular function and in disease has attracted increasing attention, opening up a new frontier for research in the fields of food and medicine. We are putting together a Special Issue of the journal Molecules, entitled “Activity and structural characteristics of polysaccharides”, aiming to provide an overview of the most recent advances in the field of polysaccharide preparation techniques, characterization methods for structural and physical properties, and in-depth functional research.

Potential topics include, but are not limited to:

Advanced methods for extraction and isolation;
Advanced analytical methodologies for structure analysis;
Potential structure–bioactivity relationships;
Receptor identification and mechanism of action;
Advanced techniques for quality control.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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