Special Issue

Production and Properties of Starch—Current Research

Message from the Guest Editors

Starch is one of the most important biopolymers in both the food and non-food industries. There has been intense interest in developing novel methods with the advantages of high efficiency, environmental friendliness and easy operation for starch production and modification. The current research is also geared towards the importance of starch in human nutrition and health. In addition, starch digestion is controlled by the starch microstructure. The microstructure of starch is complex and organized in multiple scales. Starch multiscale structures, are factors that determine enzyme binding and catalyzation with starch in the human diet. This Special Issue of Molecules aims to acquire in-depth knowledge about some of the aforementioned research concepts in the starch structure, functionalities, and application in food systems.

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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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