

Special Issue

Synthesis, Isolation and Application of Carbohydrates

Message from the Guest Editors

Carbohydrates, the most abundant natural products, play important roles in their biological activities. However, the synthesis and isolation of carbohydrates remain a challenge because of their structural complexity. Even though carbohydrates play important roles in many biological processes, carbohydrate-containing drugs take only a small portion among all approved drugs. This Special Issue seeks high-quality works focusing on new scientific achievements and new methodology developments in the synthesis, separation, characterization, glycosylation, and potential biological and therapeutic application of carbohydrates in various areas. Topics include, but are not limited to, new method developments and/or applications in the following areas:

- Chemical synthesis of carbohydrates;
- Enzymatic or chemoenzymatic synthesis of carbohydrates;
- Isolation of carbohydrates from natural sources;
- Structural characterization of carbohydrates;
- Glycosylation of carbohydrates;
- Biological or therapeutic application of carbohydrates.

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