

## Special Issue

# Carbohydrate Chemistry

### Message from the Guest Editor

Carbohydrates, also called saccharides, are the most abundant biomolecules in nature and are found in all living organisms. Although well known as a source of energy and cell wall components, they act as the bioactive compounds “glycoconjugates”, in which mono- or oligosaccharide is covalently attached to proteins, lipids and other biomolecules.

Glycoconjugates play pivotal roles in numerous biological events such as cell adhesion and immune response, and have therefore been attracting interest from not only biologists but also chemists. Carbohydrate chemistry has contributed to providing natural and non-natural products as powerful tools for the elucidation of their biological functions, leading to drug discovery. This Special Issue of *Molecules* focuses on carbohydrate chemistry. We encourage authors to submit research papers describing new synthetic methodologies in oligosaccharide synthesis, including glycosylation and protection strategies. The development of glycosylation methods, protecting groups of carbohydrates, and the synthesis of carbohydrate-based compounds such as glycosidase inhibitors are also welcome.

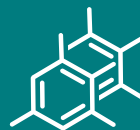
### Guest Editor

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### Deadline for manuscript submissions

closed (31 May 2019)



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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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