

Special Issue

Bioengineering of Natural Molecules for Treatment of Metabolic Diseases

Message from the Guest Editor

The search for effective molecules for the treatment of metabolic diseases has increased, and plants may offer potential pharmacological innovative approaches. However, low production levels and the continuous demand of industry for novel molecules with new or superior biological activities are factors that appear to limit the commercialization of plant-derived molecules. Many natural products need to be upgraded in terms of pharmacokinetic properties, selectivity, and stability for therapeutic use. A novel approach is to create a chemical derivatization of a previously isolated natural product. This Special Issue addresses on molecular and mechanistic research of bioengineered natural molecules and we invite researchers to contribute original research articles and reviews focused on different strategies of structural modification of natural molecules for the treatment of metabolic disorders. Topics of interest include, but are not limited to, the following:

- Obesity;
- Diabetes;
- Insulin resistance;
- Inflammation;
- Dyslipidemia;
- Disorders of protein metabolism.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

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