

Special Issue

The Effect of Phytochemicals and Food Bioactive Compounds on Diabetes

Message from the Guest Editors

Diabetes, especially global prevalence of type 2 diabetes (T2D), is increasing as reported in the Diabetes Atlas, 9th edition. In 2019, it is estimated that 463 million people have diabetes, and this number is projected to reach 578 million by 2030, and 700 million by 2045.

Natural products from terrestrial and aquatic organisms still constitute huge sources of biologically active factors for the development of drugs, cosmetics or nutraceuticals as well as our daily foods. Screening antidiabetic components from edible natural products and clarifying their modes of actions are considered to be an intelligent policy from the aspects of safety and diabetes prevention, because they have long histories of ingestion every day. This issue expects recent studies on preventive and/or alleviating effects of various biofactors against diabetes, especially type 2 diabetes (T2D), and diabetes related disorders as well as those on their modes of actions at molecular, cellular, tissue and/or whole-body levels. In this issue, biofactors include both non-nutrients such as various phytochemicals and nutrients, for example, branched-chain amino acids (BCAA), peptides and lipids.

Guest Editors

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