

Special Issue

Effects of Phytochemicals on Metabolic Disorders

Message from the Guest Editor

Phytochemicals are considered as active dietary compounds for such effects with tissue-specific activities; however, the molecular targets of the phytochemicals are still not well characterized. A single phytochemical may often exhibit multiple biological activities. On the other hand, there are not sufficient epidemiologic data to suggest an association between a specific phytochemical and a disease of interest. At the molecular level, moreover, we still need more information regarding biomarkers for such diseases where there is an interaction with phytochemicals. This Special Issue will collect research results focusing on different aspect of phytochemicals, focusing on novel functions in energy metabolism and cancers. In-depth study of the mechanisms involving signal transduction pathways and regulation of gene expression altered by phytochemicals will be helpful for this field of science. Investigation of new genetic and biochemical biomarkers for obesity, diabetes, dyslipidemia, atherosclerosis, and cancers in relation to phytochemicals will be also of interest for explaining the diverse biological functions of phytochemicals, with sometimes multiple targets in cells.

Guest Editor

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