

Special Issue

Nutraceuticals in Cardiovascular and Metabolic Diseases

Message from the Guest Editors

Nutraceuticals exert promising health-promoting effects, both for prevention of disease and to support current therapies, as observed in preclinical and clinical studies. The reduction of oxidative stress is one of the target mechanisms common to many nutraceuticals, but compelling evidence has also shown the ability of these molecules to modulate additional signalling, such as cell clearing systems, mitochondrial metabolism, and nutrient sensing pathways, which are usually dysregulated in cardiovascular and metabolic diseases. However, many aspects concerning the use of nutraceuticals in human diseases should be further clarified. Plasma bioavailability and tissue distribution after intake are not well characterized for many nutraceuticals, and the molecular mechanisms underlying their beneficial effects are not fully understood. The identification of new nutraceuticals in natural sources is also encouraged. This Special Issue will focus on the role of nutraceuticals in cardiovascular and metabolic diseases. We invite authors to submit original articles covering studies performed as basic research, pre-clinical models of diseases and review articles.

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