

Special Issue

Plant-Food-Derived Bioactives for Disorders Related to Oxidative Stress and Inflammation

Message from the Guest Editor

The incidence of chronic diseases, including those related to metabolism, neurology, the cardiovascular system, autoimmunity and even cancer have increased. Overall, increasing evidence points to the two triggering factors for these pathologies—oxidative stress and inflammation—despite them playing important roles in metabolism and immune function at balanced levels. More studies aim at the development and discovery of molecules with pharmacological potential. About two thirds of the drugs currently available are derived from the isolation of molecules from plants or other naturally occurring products. In addition, the demand for nutraceuticals and functional foods has markedly increased. While the molecular mechanisms how oxidative stress and hyperinflammation trigger the onset of certain chronic diseases are still not clear. This Special Issue aims to captivate the attention of researchers dedicated to the impact of oxidative stress and hyperinflammation on the onset of chronic disorders, in addition to those focused on the use of plant-food-derived biomolecules for targeting chronic disease applications.

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