

Special Issue

Antioxidant Systems in Fruits and Vegetables Related to Quality and Health Beneficial Effects

Message from the Guest Editor

Fruits and vegetables are known to contain large amounts of bioactive compounds (polyphenols, anthocyanins, carotenoids and vitamins) which have antioxidant activity and are related to health-benefits. This special issue will be focused to highlight the molecular mechanism involved in the occurrence of these phytochemicals and their changes during ripening on-tree and during postharvest storage. In addition, recent research focused on the use of non-toxic natural compounds, considered as environmentally friendly, to develop new postharvest treatments and preservation systems that will maintain the quality and extend the shelf-life of fruits and vegetables without compromising their safety, appearance or sensory properties, and preserving the bioactive compounds and antioxidant activity will be also included. Cohort and epidemiological studies reporting the fruit and vegetable consumption effects against degenerative and chronic diseases would be also welcomed.

Guest Editor

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