



Molecular Regulation Mechanism of Ripening, Senescence and Stress Resistance in Fruits and Vegetables

Guest Editor:

Dr. Hua Huang

Institute of Fruit Tree Research,
Guangdong Academy of
Agricultural Sciences, Key
Laboratory of South Subtropical
Fruit Biology and Genetic
Resource Utilization, Ministry of
Agriculture and Rural Affairs,
Guangdong Provincial Key
Laboratory of Tropical and
Subtropical Fruit Tree Research,
Guangzhou 510640, China

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Message from the Guest Editor

Dear Colleagues,

Fruits and vegetables are two key daily food sources for human beings. The development and ripening of both fruits and vegetables involves various biological changes to textures, color, volatile organic compounds, and other bioactivity components. Nowadays, a significant increase in agricultural crops can be attributed to the development of scientific management strategies in the field, the breeding of crop varieties, as well as the pre- and postharvest technologies. However, many aspects of the physiological and molecular regulation mechanisms of these ripening, senescence and stress responses in fruits and vegetables are still unknown. In addition, the regulations may differ depending on the variety of species, cultivars and organs. To explore efficient approaches to improving nutrient content during development and maintaining high quality during storage are still big challenges for fruits and vegetables.

Hence, the goal of this Special Issue is to integrate knowledge on any aspect related to the physiological and molecular regulation mechanisms of fruits and vegetables from field preharvest to postharvest shelf life.





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Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture,
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2678, Australia

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Agronomy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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