

Special Issue

Formation, Regulation and Affecting Factors of Fruit Quality

Message from the Guest Editor

Fruits constitute an important part of human diet and fruit quality is a major concern for consumers. Formation of fruit quality is tightly coupled with fruit ripening, during which dramatic changes occur in a series of physiological and biochemical metabolisms, such as color, sugar, acid, aroma, cell wall, etc. These metabolic events are essential determined by key enzymes, which again transcriptionally or post-transcriptionally regulated by cellular signaling systems. Phytohormones and environmental factors act as internal and external cues, triggering cellular signaling systems whereby finally controlling fruit quality formation. In this Special Issue for *IJMS*, we will focus on molecular identification and characterization of the key enzymes implicated in fruit quality associated-metabolisms, transcription factors transcriptionally controlling the key enzymes, and particularly, the signaling systems determining fruit quality formation. Research papers, up-to-date review and perspective articles are all welcome.

Guest Editor

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