Special Issue

Gene Regulation of Ripening, Senescence and Stress Resistance in Horticultural Crops

Message from the Guest Editor

Horticultural crops' ripening, senescence and stress resistance affect the postharvest life, quality, and commercial value. So, how may we maintain and extend the shelf-life most effectively to increase product values? Ripening and senescence are complex processes, which include cell wall softening, sugar accumulation, color changes, the production of aroma and volatiles and increased pathogen invasion. The progress was related to gene expression coordination, cell–cell signaling, and various biochemical pathways. Genes involved in regulating fruit ripening, senescence and stress resistance are being studied in great demand, which provides the theoretical basis for elucidating the mechanism of such progress. In this Special Issue, we encourage the submission of manuscripts of original papers and review articles focusing on the gene regulation of ripening, senescence and stress resistance in horticultural crops, including fruit, vegetables, flowers, tea and nuts. Manuscripts reporting novel fundamentals and innovations in research techniques are encouraged.

Guest Editor

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Deadline for manuscript submissions

closed (20 February 2025)

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Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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