Special Issue

The Pre- and Postharvest Physiology and Molecular Biology of Fruit and Vegetables

Message from the Guest Editors

In recent years, various techniques for delaying postharvest senescence of fruit and vegetables have been investigated, such as modified atmosphere (MA) or controlled atmosphere (CA), different types of packaging, treatment with chemicals and plant hormones or their inhibitors, ethanol vapour treatment, and edible coatings. In this Special Issue, we aim to discuss the pre- and postharvest physiology, biological basis, and molecular mechanisms of ripening and senescence of fruit and vegetables. We warmly welcome submissions, including original papers and reviews, on (but not limited to) the following topics:

- Improvement of quality of fruit and vegetables after harvest
- New preservation and processing technologies for postharvest fruit and vegetables
- Biosynthesis of bioactive compounds in pre and postharvest fruit and vegetables
- The regulation mechanisms of physiological disorders occurring in postharvest fruit and vegetables
- Novel techniques controlling postharvest diseases in fruit and vegetables
- The molecular mechanisms of ripening and senescence in postharvest fruit and vegetables

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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