Journal of Chemistry

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Special Issue on

Postharvest Preservation of Fruits and Vegetables

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Fruits and vegetables possess high nutritional values as they are rich in vitamins, amino acids, dietary fibers, and mineral elements. The consumption of fruits and vegetables provides health benefits, including reducing blood pressure, providing protective effects against heart diseases and stroke, preventing certain types of cancer, reducing risk of digestive and eye problems, and positively impacting diabetic complications. However, it is estimated that about 20% of fruit and vegetable produce is lost due to senescence and spoilage each year. Therefore, the desire for improved food safety and increased shelf life of fresh fruits and vegetables is urgent all over the world.

The main objective of this special issue is to present and discuss scientific and technological developments that are expected to improve the existent processes for the postharvest preservation of fruits and vegetables.

Potential topics include but are not limited to the following:

- Technologies and mechanisms to improve the quality and safety of fruits and vegetables
- Fruit and vegetable pathogen detection and prediction
- Fruit and vegetable safety control
- Packaging and storage technologies for fruits and vegetables
- The metabolic changes in postharvest fruits and vegetables during storage

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