

## Special Issue

# Antioxidant Properties in Food During Post-Harvest Storage and Processing

### Message from the Guest Editors

Antioxidants are abundant in plant foods and concentrated in fruits and vegetables. The consumption of antioxidant-rich diets protects against intracellular oxidation, preventing degenerative diseases and enhancing health. However, fruits and vegetables have a short shelf life, and accelerated deterioration increases food waste, particularly within supply chains. As well as active packaging, the incorporation of nanosystems into coatings can preserve antioxidants in fruits and vegetables within the post-harvest chain and improve their bioavailability to benefit consumers. However, the post-harvest processing of fruits and vegetables can have a significant negative impact on antioxidants. Therefore, we invite researchers to submit their findings on the retention or changes in antioxidant levels during post-harvest storage or processing to improve the health and well-being of consumers. Research in this area can include an assessment of antioxidant bioavailability during post-harvest storage or processing or during fresh-cut processing. It can also include an evaluation of how post-harvest storage or processing affects antioxidant bioaccessibility during in vitro digestion.

### Guest Editors

Prof. Dr. Dharini Sivakumar

Prof. Dr. Yasmina Sultanbawa

Dr. Cyrielle Garcia

Dr. Heather Smyth

### Deadline for manuscript submissions

closed (19 December 2024)



## Antioxidants

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## About the Journal

### Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of “oxidative stress” a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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### Editor-in-Chief

Prof. Dr. Alessandra Napolitano

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