



an Open Access Journal by MDPI

## Antioxidant Systems in Fruits and Vegetables: Pre- and Postharvest Factors

Guest Editors:

**Prof. Dr. María Serrano**

Department of Applied Biology,  
CIAGRO, University Miguel  
Hernández, 03312 Orihuela,  
Alicante, Spain

**Prof. Dr. Daniel Valero**

Department Agro-Food  
Technology, CIAGRO,  
Universidad Miguel Hernández  
de Elche, UMH, Alicante, Spain

Deadline for manuscript  
submissions:

**closed (31 December 2020)**

### Message from the Guest Editors

This Special Issue will be focused on highlighting the effect of preharvest factors (cultivar, ripening stage at harvest, application of plant growth regulators, etc.) as well as postharvest factors (treatments, temperature, storage, chilling injury, etc.) on the change of these phytochemicals at harvest and during postharvest storage. Further, the latest knowledge about the use of noncontaminant and nontoxic natural compounds (considered as environmentally friendly) to perform new postharvest treatments that will maintain the quality and extend the shelf-life of fruits and vegetables without compromising their safety, appearance or sensory properties, and preserving the bioactive compounds and antioxidant activity will be also included. On the other hand, the effects of preharvest treatments with natural compounds on increasing the concentration of these biocompounds during the on-tree ripening process will be reported in order to increase the health beneficial effects of fruits and vegetable consumption.



[mdpi.com/si/43212](https://mdpi.com/si/43212)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Alessandra Napolitano

Department of Chemical  
Sciences, University of Naples  
"Federico II", Via Cintia 4, I-80126  
Naples, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, FSTA, PubAg, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Chemistry, Medicinal) / CiteScore - Q1 (Food Science)

## Contact Us

---

*Antioxidants* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/antioxidants](http://mdpi.com/journal/antioxidants)  
[antioxidants@mdpi.com](mailto:antioxidants@mdpi.com)  
[X@antioxidants\\_OA](https://twitter.com/antioxidants_OA)