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Antioxidants in Foods

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Message from the Guest Editors

The interest in antioxidants in foods has highly increased over the last few decades, due to their beneficial effects in the prevention of degenerative diseases and in the processes associated with aging.

Among food antioxidants, vitamins, pigments, and especially polyphenols have attracted great attention, not only due to their pharmacological and health potentialities, but also as targets to study their synthesis in crops in order to improve the product yield. In fact, the antioxidant activity of foods may be affected by many factors, such as the ripening state, the growing conditions, or the thermal processing and preservation.

Antioxidants in foods may exert their action by several mechanisms and, in turn, there are different methods of measuring antioxidant properties, *in vitro*, *in vivo*, and *ex vivo*. Moreover, for an *in vivo* effect, antioxidant activity has to be maintained after the digestion process.

Therefore, the scientific research on foods antioxidants is currently of great interest. In this Special Issue, original research papers or review articles focused on all the different aspects of antioxidants in foods are welcome.



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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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