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Antioxidant Capacity of Vegetables and Foods

Guest Editor:

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Deadline for manuscript submissions:
closed (31 August 2021)

Message from the Guest Editor

The antioxidant abilities of different compounds are among the most researched bioactive mechanisms due to their role in the prevention of oxidative stress and related diseases and in their use to extend the shelf life of food. It is necessary to take into account the immense panorama that includes antioxidants extracted from natural products, especially vegetables. The field of application covers both food and cosmetics and even pharmaceutical products.

The following topics will be considered: aspects of extraction; purification and characterization of new compounds; synergistic effect analysis; new formulated products; chemical study of the relationships between the structure of the compounds, their antioxidants, and antimicrobial and anticancer activity; the interaction of compounds with different matrices; making edible films that protect food; new delivery systems for antioxidants; the stability of new formulated products. Reports of their behavior in real products, their effects on stability, and the oxidation of foods and raw materials will also be considered. Special consideration will be given to practical applications to common foods.

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Editor-in-Chief

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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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