



Phenolics as Antioxidant Agents

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Message from the Guest Editor

The interest in plants as a source of bioactive compounds continues to receive increasing attention in research community due to the recognized potential that these compounds have. Advances in extraction, identification, and quantification have allowed the development of innovative studies about their role as antioxidant, anti-inflammatory, anti-degenerative, and antitumor agents. However, there are many questions still being raised about their efficacy, particularly when in vivo models are used.

Contributions to this Special Edition can cover all aspects related to the extraction, identification, characterization, and quantification of bioactive compounds present in plants and its extracts; demonstration of the mechanisms of antioxidant action; recent advances in analytical methods; looking for new plants with high levels of bioactive compounds; valorization of crops and plants as source of antioxidants compounds; influence of pre- and post-harvest factors on the antioxidant profile in plants; and in vitro and in vivo assays, including clinical and pharmaceutical trials on the effect of these compounds on human and animal health.





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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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