



Phenolic Profiling and Antioxidant Capacity in Plants

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Message from the Guest Editors

The recent advances in analytical approaches, -omic sciences and biotechnology are offering new and interesting insights into the characterization, comprehensive profiling and biological activity of phenolics. In parallel, the recent knowledge on existing in vitro antioxidant assays suggest that further research is still necessary, to move towards measures representative of in vivo conditions.

Contributions to this Special Issue may cover all research aspects related to the characterization of phenolic compounds and their antioxidant capacity, including (but not limited to) methods for their extraction, purification, characterization and quantification; the elucidation of their mechanisms of action with focus on antioxidant capacity; improved methods for assessing antioxidant capacity (cell-based assays are encouraged); and the effect of both pre- and post-harvest factors on phenolic profiles in plants.

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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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