Special Issue

Electrochemical Methods for Antioxidant Activity Detection

Message from the Guest Editors

Traditionally, spectroscopic methods are mainly used for the total antioxidant parameter evaluation, although they have a range of limitations and do not solve all the problems of interest. The electrochemical nature of the antioxidants' action mechanism allows the application of electroanalytical methods as an alternative. Contributions to this Special Issue (both original research and review) may cover all aspects of antioxidants research (in vitro or in vivo) using electrochemical methods related to (but not limited to) the following topics: antioxidant recognition, selective determination of individual antioxidants, evaluation of total antioxidant parameters, model oxidant inhibition parameters, investigation of kinetic and thermodynamic characteristics of antioxidant transformation, elucidation of antioxidant mechanisms, development of the sensors and portable devices for total antioxidant parameter evaluation. Novel approaches with improved analytical characteristics and new information about antioxidants are encouraged.

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About the Journal

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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