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Fighting Radical Species in Human Health: Mitigating Radical Species with Natural and Synthetic Compounds

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Message from the Guest Editor

Oxidative and nitrosative stress, also called the bad radical species, play a critical role in many diseases. For example, identifying new therapeutic strategies capable of modifying the course of neurodegenerative diseases is currently one of the major goals for researchers of this field. Developing novel pharmaceutical compounds bearing antioxidant properties will significantly enhance our understanding of their roles against the bad radical species in biological systems.

We hope to stimulate our broad multidisciplinary investigators from neuroscience, chemical biology, plant biology, and drug discovery to provide a platform via this Special Issue that invites investigators to report their latest discoveries dealing with: (i) natural and non-natural small molecules, phenolic extracts; (ii) in vivo and/or in vitro mechanism of action of antioxidants, (iii) natural or synthetic antioxidants and their relevance to health and disease, (iv) relationships between antioxidant properties and human health promotion, and (v) protein aggregation and radical scavengers.



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Special Issue



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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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