

Special Issue

Lipophilic Derivative as Antioxidants

Message from the Guest Editors

Antioxidants play a crucial role in the prevention and treatment of many diseases by reducing the concentration of species involved in oxidative stress, such as free radicals and reactive oxygen, as well as nitrogen species (ROS, NOS), originating from various environmental stimuli or during normal cellular metabolism. When an unbalance between the activity of these species and the fighting ability of the antioxidant system occurs, exogenous antioxidants could represent a promising therapeutic approach in many inflammatory and/or degenerative processes. However, some physicochemical properties of exogenous antioxidants can limit their diffusion in specific biological compartments, hence invalidating their efficacy. In this context, in order to modulate their distribution, the use of suitable formulations, as well as the modification of the structure of natural antioxidants, represents an interesting approach. In this Special Issue of Antioxidants, expert researchers are invited to present original papers or review articles considering any advances in lipophilic derivatives as antioxidants.

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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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