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Oxidative Stress, Antioxidants and Gene Regulation

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Message from the Guest Editors

Cell signaling and gene regulation are the fundamental activities of the cell to control the transfer of genetic information from a gene to a protein throughout its life. Regulating the expression of various antioxidant genes at precise times by the biological system is exceedingly important to overcome the toxic effects of oxidative stress. Therefore, understanding the interaction between oxidative stress, antioxidants and gene regulation in physiological as well as in pathological conditions is essential for the prevention and treatment of oxidative-stress-related conditions. The scope of this Special Issue of *Antioxidants* shall cover a wide range of original and review articles aimed at exploring various aspects of oxidative stress, antioxidants and gene regulation in health and disease.



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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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