Special Issue

Pharmacology of Antioxidants

Message from the Guest Editors

Oxidation and reduction, basically the release and uptake of electrons, are essential phenomena in life. Our molecular systems, cellular and subcellular components are more prone to be damaged by unwanted oxidation than by reduction due to our oxidative atmosphere. This oxidative damage is even more aggravated by the generation of Reactive Oxygen and Nitrogen Species and /or by Free Oxygen Radicals. Natural and synthetic Antioxidants are known to be useful in preventing and alleviating these damages in almost all areas of medical sciences. A deeper understanding of the pharmacology, the molecular mechanism of natural and synthetic antioxidants may promote and help the effective application thereof in particular areas of cardiovascular diseases, during exercise and aging in skeletal and heart muscles, as well as in neurological disorders, diabetes mellitus, and cancerous processes. The present issue aims to collect and document new findings in the pharmacology of natural and synthetic antioxidants, old and new, to promote and support their application in the most important areas of recent day's human medicine.

Guest Editors

Prof. Dr. László Dux

Department of Biochemistry, Faculty of Medicine, University of Szeged, Szeged, Hungary

Prof. Dr. Bruno Podesser

Center for Biomedical Research, Medical University of Vienna, Vienna, Austria

Deadline for manuscript submissions

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Antioxidants
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antioxidants@mdpi.com

mdpi.com/journal/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.

Editor-in-Chief

Prof. Dr. Alessandra Napolitano
Department of Chemical Sciences, University of Naples "Federico II", Via Cintia 4, I-80126 Naples, Italy

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