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Novel Aspects of Redox, Antioxidant and Mitochondrial Signaling

Guest Editors:

Prof. Dr. Yuichiro J. Suzuki

Department of Pharmacology
and Physiology, Georgetown
University Medical Center, 3900
Reservoir Road NW, Washington,
DC 20057, USA

Dr. Nataliia V. Shults

Department of Pharmacology
and Physiology, Georgetown
University Medical Center,
Washington, DC, USA

Dr. Lucia Marcocci

Department of Biochemical
Sciences "A. Rossi Fanelli",
Sapienza University of Rome,
Rome, Italy

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Message from the Guest Editors

The Special Issue on "Novel Aspects of Redox and Antioxidant Signaling" seeks to compile recent advances in mechanisms and functions of redox signaling as well as the antioxidant regulation of cellular functions. This Special Issue welcomes the submission of original contribution papers, mini-reviews summarizing work in your laboratory, as well as comprehensive review articles. Some of the topics that will be covered in the Special Issue include:

- Vitamin E nicotinate signaling
- Juglone signaling
- Inhibition of antioxidant pathway of Bcl-2
- Protein carbonylation and decarbonylation in redox signaling
- Oxidant-mediated amino acid conversion as a new mechanism of oxidative stress and cell signaling
- Redox regulation of peroxiredoxins
- Mitochondria ultrastructure and cell signaling
- Transmission electron microscopic assessment of mitochondria in oxidative stress and cell signaling
- Redox signaling in right-sided heart failure
- Antioxidant regulation of cell reprogramming



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Special Issue



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Editor-in-Chief

Prof. Dr. Alessandra Napolitano

Department of Chemical
Sciences, University of Naples
"Federico II", Via Cintia 4, I-80126
Naples, Italy

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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Antioxidants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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