



Antioxidant and Anti-inflammatory Compounds from Natural Products

Guest Editors:

Dr. Sullim Lee

Department of Life Science,
College of Bio-Nano Technology,
Gachon University, Seongnam,
Korea

Prof. Dae Sik Jang

College of Pharmacy, Kyung Hee
University, Seoul, Korea

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Message from the Guest Editors

The antioxidant system of the human body suppresses various diseases caused by external oxidative stress. In particular, the human body uses oxygen essential for metabolism and energy generation and normally excretes water and carbon dioxide. However, if it is not completely reduced, it becomes highly reactive and harmful active oxygen, which induces inflammatory reactions. Inflammation is one of the defense responses of the body to external stimuli and is a mechanism by which damaged tissue regenerates.

This Special Issue provides an update on the beneficial effects of antioxidants and anti-inflammatory agents from natural products and uses various in vitro and in vivo disease models to represent the underlying molecular mechanisms of their biological activity. We invite you to submit your latest research results or review articles.

Potential topics include the isolation and analysis of compounds from natural products and their use for suppressing oxidative stress and inflammatory responses; and health-enhancing effects of natural products on chronic diseases, including inflammatory diseases, cancers, aging, and oxidative-stress-related diseases.





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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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Contact Us

Antioxidants Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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