



Antioxidant Activity of Polyphenolic Plant Extracts

Guest Editor:

Dr. Dimitrios Stagos

Department of Biochemistry and
Biotechnology, University of
Thessaly, Larissa, Greece

Deadline for manuscript
submissions:

closed (30 April 2019)

Message from the Guest Editor

Plant polyphenols are secondary metabolites characterised by one or more hydroxyl groups binding to one or more aromatic rings. Several thousand polyphenolic molecules have been identified in higher plants. Among the important biological properties of plant polyphenols, their antioxidant activity has raised a great interest. A number of studies have shown that plant polyphenols could be used as antioxidants against different oxidative stress-induced diseases. We invite you to submit your latest research findings or a review article to this Special Issue, which will bring together current research concerns and critical thinking on the antioxidant activity of polyphenolic plant extracts. The identification of the polyphenolic composition of plant extracts in the submitted articles is required. Your contribution can include both in vitro and in vivo studies relating to different aspects of the antioxidant activity of polyphenolic extracts, such as structure–activity relationships, regulation of endogenous antioxidant responses, and their role in signaling, metabolism, cell cycle, gene regulation, cellular stress, and prevention of diseases.





an Open Access Journal by MDPI

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [FSTA](#), [PubAg](#), [CAPus](#) / [SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q1 (*Food Science & Technology*) / CiteScore - Q1 (*Food Science*)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/antioxidants
antioxidants@mdpi.com
[X@antioxidants_OA](#)