



## Antioxidant and Cytoprotective Activity

Guest Editor:

### Dr. Kateřina Valentová

Laboratory of Biotransformation,  
Institute of Microbiology of the  
Czech Academy of Sciences,  
Vítěňská 1083, 14220 Prague,  
Czech Republic

Deadline for manuscript  
submissions:

**closed (20 April 2020)**

### Message from the Guest Editor

Numerous chronic diseases are associated with oxidative stress and therefore some natural and synthetic antioxidants are proposed for the prevention and treatment of such diseases. Direct antioxidant therapy usually failing in clinical trials and recent studies mostly confirms the involvement of several cell signaling pathways in cell protection in oxidative-stress-related conditions. Further investigation into this subject will provide renewed insight into the implication of oxidative stress in chronic diseases.

This Special Issue welcomes original research papers or reviews that deal with cytoprotective activity of natural antioxidants and inducers of cytoprotective proteins from plants or microorganisms, but also (semi)synthetic molecules and especially pleiotropic agents with protective effects. Studies focusing on the molecular mechanism of action of cytoprotective agents are particularly welcome. Studies based on undefined mixtures, extracts, or “principles” will not be accepted for publication in this Issue.





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, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Chemistry, Medicinal) / CiteScore - Q1 (Food Science)

## Contact Us

---

*Antioxidants* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/antioxidants](http://mdpi.com/journal/antioxidants)  
[antioxidants@mdpi.com](mailto:antioxidants@mdpi.com)  
[X@antioxidants\\_OA](https://twitter.com/antioxidants_OA)