antioxidants

an Open Access Journal by MDPI

IMPACT FACTOR 6.0

Indexed in: PubMed

CITESCORE 10.6

Post-Translational Protein Modifications in Oxidative Stress

Guest Editor:

Dr. Klaus Klarskov
Centre Hospitalier Universitaire de Sherbrooke, Sherbrooke, QC, Canada

Deadline for manuscript submissions:
closed (31 March 2019)

Message from the Guest Editor

Numerous post translational protein modifications play crucial roles in the cellular redox balance and are known to be implicated in many diseases. Some of the most well-known modifications are induced by reactive oxygen and nitrogen species, which generates a wide range of adducts that preferentially target cysteine thiols. In addition, there are many more modifications, i.e., S- and N-homocysteinylation, S-glutathionylation, including protein carbonylation, which are known either to deregulate redox state or to be of importance for maintaining cellular homeostasis. Not only endogenous radicals and compounds cause protein modifications associated with oxidative stress, but also exogenous compounds from food products such as sulfites can potentially play a significant role.

The aim of this Issue is to consolidate up-to-date research and knowledge on post-translational modifications associated with oxidative stress. Of interest are the development of new approaches and applications of already well-known methods to determine the role and significance of these modifications in disease.

antioxidants

IMPACT FACTOR 6.0 | Indexed in: PubMed | CITESCORE 10.6

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

mdpi.com/journal/antioxidants
antioxidants@mdpi.com
𝕏@antioxidants_OA