antioxidants

IMPACT FACTOR 7.0 | Indexed in: PubMed | CITESCORE 8.8

an Open Access Journal by MDPI

Peroxiredoxin

Guest Editor:

Prof. Ho Hee Jang
Department of Biochemistry, College of Medicine, Gachon University, Incheon 21999, Korea

Deadline for manuscript submissions:
closed (30 November 2022)

Message from the Guest Editor

In 1987, Kim and colleagues identified the first peroxiredoxin (Prx) protein, a thiol-specific antioxidant, in yeast [1, 2]. Since then, researchers have identified six isoforms of Prx in mammalian cells alone. Prxs are key molecules in intracellular ROS homeostasis that play important biological roles in various cellular processes including cell growth, differentiation, apoptosis, the immune response, and metabolism. In addition, Prxs have been found to play roles in a variety of post-translational modifications such as phosphorylation, ubiquitination, and glutathionylation.

The goal of this Special Issue is to bring together current views, new insights, and cutting-edge research on the biological roles of Prxs. These include Prxs sourced from all species, from prokaryotes to eukaryotes, including those found in *E. coli*, plants, yeasts, and animals.

We look forward to your valuable contribution.

antioxidants

IMPACT FACTOR 7.0 | Indexed in: PubMed | CITESCORE 8.8

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 (*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