Special Issue

Thioredoxin

Message from the Guest Editors

Thioredoxin 1 (Trx1) was originally discovered as an electron donor for E. coli's enzyme ribonucleotide reductase. Since then, intensive research conducted at the molecular, cellular, and organismic level has elucidated the very diverse facets of Trx1. Today, Trx1 is recognized as a key regulator of posttranslational modification of protein thiol groups. Thioredoxin 1 has also been involved in essential cellular processes such as apoptosis, cell proliferation, and the inflammatory response. For this Special Issue, we invite researchers to provide original research articles reporting novel insights into the role of thioredoxin in physiological as well as in pathological processes. Studies involving in vitro or in vivo models showing potential therapeutic applications of thioredoxin are especially encouraged. We also invite the submission of clinical studies as well as review articles discussing the current knowledge and potential applications of thioredoxin 1 in health and disease.

Guest Editors

Dr. José Godoy

Department of Veterinary Biomedical Sciences, Long Island University College of Veterinary Medicine, 720 Northern Boulevard, Brookville, NY 11548, USA

Prof. Dr. Luciana Azevedo

Faculty of Nutrition, Federal University of Alfenas, Alfenas, MG, Brazil

Deadline for manuscript submissions

closed (31 December 2023)

Antioxidants

an Open Access Journal by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed

mdpi.com/si/128295

Antioxidants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antioxidants@mdpi.com

mdpi.com/journal/antioxidants

Antioxidants

an Open Access Journal by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed

mdpi.com/journal/antioxidants

About the Journal

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.

Editor-in-Chief

Prof. Dr. Alessandra Napolitano
Department of Chemical Sciences, University of Naples "Federico II", Via Cintia 4, I-80126 Naples, Italy

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)