

Special Issue

Oxidative Stress Induced by Environmental Pollution

Message from the Guest Editor

This Special Issue will enable a understanding of the pathways through which environmental pollutants induce oxidative damage at the molecular, cellular, and systemic levels, including but not limited to the following major issues: (1) how environmental contaminants impact oxidative stress and oxidative damage; (2) the role of antioxidants in the biological process; (3) preventive measures that can modify their effects. We expand this scope to include a diverse range of environmental pollutants—including air pollution, soil contaminants, waterborne toxins, and noise pollution—that contribute to oxidative stress. Emerging contaminants will be prioritized. This Special Issue will synthesize a broad spectrum of both experimental and epidemiological studies, including those conducted in vulnerable populations. Contributions to this Special Issue will explore innovative models, experimental approaches, and potential therapeutic interventions to mitigate oxidative stress induced by environmental pollution. The ultimate goal is to raise awareness about the urgent need for integrated environmental and health policies to reduce pollution and its oxidative impacts on human health.

Guest Editor

Dr. Lina Mu

Department of Epidemiology and Environmental Health, University at Buffalo, Buffalo, NY 14214, USA

Deadline for manuscript submissions

30 November 2026



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 8.2
CiteScore 14.7
Indexed in PubMed



mdpi.com/si/274927

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

[mdpi.com/journal/
antioxidants](https://mdpi.com/journal/antioxidants)





Antioxidants

an Open Access Journal
by MDPI

Impact Factor 8.2
CiteScore 14.7
Indexed in PubMed



[mdpi.com/journal/
antioxidants](https://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 (Clinical Biochemistry)