

Special Issue

Oxidative Stress as a Therapeutic Target of Alzheimer's Disease

Message from the Guest Editors

Alzheimer's Disease (AD) is a neurodegenerative disease characterized by a complex array of pathological factors, chiefly the deposition of amyloid β protein aggregates, which is accompanied by immune cell infiltration and neuroinflammation. This inflammatory process leads, in turn, to an overproduction of reactive oxygen and nitrogen species. Researchers regularly debate the place of oxidative stress (OS) in the pathogenesis of AD, especially regarding its role as a cause or a consequence of neurodegenerative processes. While touted by some as promising therapeutic agents for AD, antioxidants are plagued by bioavailability issues that stifle their potential in this regard. We invite you to submit your recent findings or a review article to our Special Issue centered on Alzheimer's Disease. Our goal is to gather the latest research on the role of OS in AD pathogenesis and the development of antioxidant compounds as potential AD therapeutics.

Guest Editors

Dr. Marcello Leopoldo

Dipartimento di Farmacia—Scienze del Farmaco, Università degli Studi di Bari, Bari, Italy

Dr. Leonardo Brunetti

Università degli studi di Bari Aldo Moro, Bari, Italy

Deadline for manuscript submissions

31 October 2025



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed



mdpi.com/si/207499

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 6.6
CiteScore 12.4
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 (Food Science)