

Special Issue

Mitochondrial Dysfunction and Immuno-Oxidative Stress in Neuropsychiatric Disorders

Message from the Guest Editors

Evidence suggests that metabolic changes associated with immuno-oxidative pathway, including mitochondrial dysfunction, redox dysregulation, oxidative stress and neuroinflammation, play an important role in the pathophysiology of numerous neuropsychiatric diseases and aging-associated brain disorders. The interaction between these processes disrupts local neuronal circuits and leads to disconnection between distant brain regions, ultimately impairing information processing and affecting cognitive function. However, the molecular mechanisms and alternated metabolisms associated with these abnormalities, particularly in relation to immuno-oxidative pathways in the brains of neuropsychiatric patients, and the ways in which they change over time are not yet fully understood. This Special Issue aims to advance our understanding of these underlying mechanisms and explore novel therapeutic approaches that can alleviate the burden of these disorders.

Guest Editors

Dr. Fei Du

Dr. Can Zhang

Dr. Jie Wang

Deadline for manuscript submissions

closed (10 March 2024)



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 14.7
Indexed in PubMed



mdpi.com/si/180258

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 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, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Chemistry, Medicinal) / CiteScore - Q1 (Clinical Biochemistry)