

Special Issue

Role of the New Adipokine Hydrogen Sulfide in the Regulation of Metabolism and Obesity-Associated Diseases

Message from the Guest Editors

Obesity is a multifactorial pathology phenotypically defined by the abnormal and excessive deposition of visceral adipose tissue, accompanied by comorbidities that dramatically impact one's quality of life. H₂S has emerged as a new adipokine that, via S-sulfydration, is able to regulate crucial targets implicated in the regulation of metabolism and in the prevention/treatment of a number of obesity-associated diseases. Therefore, this Special Issue aims to collect original research papers, as well as review articles, including perspectives from the field on the current standing of research into the role of endogenous H₂S in the regulation of metabolism and in the prevention of obesity-associated disorders. Moreover, the therapeutic potential of naturally or synthetically derived H₂S donors in this context is of interest. Reviews and original research reports providing insight into molecular mechanisms underlying the action of H₂S and H₂S-releasing agents in the regulation of metabolism as well as on the secretion of crucial mediators, which may improve our knowledge and lead to new therapeutic targets, are also welcome.

Guest Editors

Dr. Lara Testai

Department of Pharmacy, University of Pisa, Via Bonanno Pisano 6, 56126 Pisa, Italy

Prof. Dr. Vincenzo Calderone

Department of Pharmacy, University of Pisa, Via Bonanno Pisano 6, 56126 Pisa, Italy

Deadline for manuscript submissions

closed (28 February 2024)



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed



mdpi.com/si/173126

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)