

Special Issue

Recent Advances in Applications of Antioxidants in Livestock Health and Reproduction

Message from the Guest Editor

Oxidative stress, resulting from an imbalance between free radicals and antioxidants, adversely affects animal health and reproductive performance, leading to significant economic losses in livestock production. The effective management of oxidative stress is crucial in improving health and reproductive outcomes in livestock. For the Special Issue “Recent Advances in Applications of Antioxidants in Livestock Health and Reproduction”, we invite cutting-edge research and comprehensive reviews that explore innovative applications of antioxidants in managing oxidative stress across various livestock species. Key areas of interest include the effects of dietary antioxidants on fertility, immune function, and overall animal health, as well as novel strategies to mitigate oxidative damage during critical physiological stages such as gestation, lactation, and growth. By highlighting recent scientific advances, this Special Issue will provide a platform for researchers, veterinarians, and industry professionals to share insights and develop practical solutions to enhance livestock welfare and productivity through targeted antioxidant interventions.

Guest Editor

Prof. Dr. Weijun Pang

Key Laboratory of Animal Genetics, Breeding and Reproduction of Shaanxi Province, College of Animal Science and Technology, Northwest A&F University, Xianyang, China

Deadline for manuscript submissions

closed (28 February 2026)



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed



mdpi.com/si/208455

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, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Chemistry, Medicinal) / CiteScore - Q1 (Food Science)