

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

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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

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