

Special Issue

Oxidative Stress in Reproduction of Mammals

Message from the Guest Editors

Reproduction is a crucial component of life history theory, which in turn examines how organisms allocate resources into the growth, reproduction, and survival of a species. Life history theory posits that organisms face trade-offs in allocating limited resources to various biological functions. Reproduction is one of the most resource-intensive processes, which significantly influences an organism's life history strategy, but despite this, there remains a large controversy over the potential oxidative costs associated with reproduction. This Special Issue in *Antioxidants* journal will explore the multifaceted relationship between oxidative stress and mammalian reproduction cost and/or effort through direct or indirect means. Relationships mediating reproduction and oxidative stress of interest include ecological, environmental, and physiological factors, as well as mitigation (e.g., through antioxidant supplementation) and induction (e.g., indirectly as a consequence of lipopolysaccharide inflammation) strategies.

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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.

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