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Role of Oxidative Stress in Human Reproduction

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Message from the Guest Editors

The role of oxidative stress in the reproductive system is an essential topic in the development of new antioxidant therapies, protecting cells from peroxidation reactions, limiting cellular damage and helping to maintain cellular membrane integrity. ROS function via proinflammatory cytokines and this mechanism has been proposed as a common underlying factor for several pathologies affecting reproductive processes. This Special Issue will add to this field by publishing original research studies or reviews and may cover endogenous sources, methods of determining ROS, the physiological roles of ROS and its negative effects on human reproduction, antioxidant supplementation and other related topics. The main focus will be on oxidative stress and antioxidant therapy related to human reproduction, menopause, cancer, male and female infertility and pregnancy-related disorders, summarising the role of free radicals and oxidative stress in the pathophysiology of human reproduction.



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Special Issue



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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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