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The Role of Antioxidants in Pregnant Woman and Child's Health

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Message from the Guest Editors

Disorders of reduction–oxidation processes are important for the etiology and development of reproductive, pregnancy, fetus, and child disease. Free radical damage can be a common denominator for many biochemical processes, including inflammatory, autoimmune, and neurotoxic processes. Therefore, special attention should be given to the balance between prooxidants and antioxidants in metabolic disorders of childhood and pregnant woman, including rare diseases. An efficient and integrated antioxidant defense system is extremely important for balancing ROS content. The contribution of both endogenous (e.g., antioxidant enzymes, glutathione) and exogenous (e.g., vitamins, minerals) antioxidants to free radical stabilization is still an engaging research topic. This Special Issue's goal is to explore the role of antioxidants in preventing ROS damage in pregnant women, newborns and children, and the potential application of therapeutic strategies for reducing oxidative-stress-mediated disorders.

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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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