



Antioxidant Therapies for Oxidative Stress-Related Diseases in Newborns

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Message from the Guest Editors

Oxidative stress is a condition caused by an imbalance between antioxidant and oxidative factors, with severe consequences on our organism, leading to cell apoptosis and necrosis, cellular ageing and an increased incidence in neonatal, autoimmune, respiratory, neuronal and cancer diseases, also in children and adolescents. The involvement of oxidative stress in pediatric diseases is an important issue, but oxidative stress status in young populations and appropriate methods for its detection is to be elucidated.

This Special Issue will provide a multi-disciplinary focus for publishing original papers, reviews and commentary on the biochemistry and pathophysiology of oxidative stress, antioxidant defence systems and clinically applicable biomarkers in several clinical conditions, such as neonatal, respiratory and neuronal diseases. Finally, this Special Issue will accept clinical trials evaluating the efficacy and safety of antioxidants for oxidative stress-related diseases.





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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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