



Oxidative Stress and Antioxidant Therapy in Diseases

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Message from the Guest Editors

Dear Colleagues,

Reactive Oxygen Species (ROS) are produced under normal physiological conditions in organisms and play a significant role in various biological functions, both beneficial and harmful. ROS can damage DNA, proteins, and lipids, leading to cellular dysfunction and disease. These reactive molecules are generated through both endogenous processes, such as cellular respiration, and exogenous sources, including UV radiation and environmental toxins. The body's antioxidant system, which includes enzymes like catalase and superoxide dismutase as well as vitamins and minerals, serves to neutralize ROS and protect against oxidative stress.

This Special Issue aims to explore how the assessment of antioxidants and oxidants can facilitate the early diagnosis and prevention of diseases linked to oxidative stress. We are particularly interested in studies that demonstrate how these assessments can be used to predict disease onset, monitor progression, and evaluate the effectiveness of therapeutic interventions.

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Message from the Editor-in-Chief

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