



Oxidative Stress and Disease

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Message from the Guest Editor

Oxidative stress is implicated in many diseases, including mental disorders, Alzheimer's disease, cancer, atherosclerosis, and chronic obstructive pulmonary disease. Although numerous small molecules regarded as antioxidants have revealed therapeutic potential in preclinical studies, clinical trial results have not yet been favorable. A better elucidation of the mechanisms through which antioxidants exert activity may provide biomarkers and effective/individualized therapeutic approaches that lead to greater clinical success. This Special Issue entitled "Oxidative Stress and Disease" aims to update the relationships between oxidative stress, redox signaling, and diseases, the mechanisms of oxidative stress contributing to time-dynamic pathology, how antioxidants act and work, and how antioxidant effects can be enhanced through physiological signaling, dietary supplements, and potential/novel pharmaceutical intervention.





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Message from the Editor-in-Chief

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