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The Role of Antioxidant System in Human Health and Disease

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Message from the Guest Editor

Dear Colleagues,

Free radicals and antioxidants are widely discussed in clinical and nutritional literature. Free radicals are produced as part of normal cellular functions and can act as redox messengers in intracellular signaling pathways and regulations. However, increased production intensity can induce oxidative stress conditions.

Antioxidants scavenge free radicals and decrease the incidence of oxidative stress-induced damage. Therefore, a well-functioning antioxidant system is essential for maintaining optimal health and preventing a wide range of diseases and processes associated with excessive free radical production, such as cancer, heart disease, aging, and neurodegenerative disorders.

In summary, the antioxidant system is critical to human health and plays a crucial role in protecting the body against various diseases and health problems. Therefore, this Special Issue seeks to publish high-quality articles and reviews related to the mechanisms of the human antioxidant system.

Dr. Francisco Peixoto

Guest Editor



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Message from the Editor-in-Chief

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