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Genetics and Epigenetic Modifications on Metabolic Diseases Oxidative Related

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Message from the Guest Editors

Metabolic diseases are diseases or disorders that disrupt physiological metabolism. Those diseases can be classified as inherited metabolic disorders or acquired metabolic disorders. Oxidative stress is a hallmark of all modern diseases, and metabolic diseases are no exception. Oxidative stress damages cellular mechanisms and disturbs their function, contributing to the disease's onset and/or progression. At the same time, epigenetic factors have also emerged as pivotal factors in the onset and development of metabolic diseases. Currently, the mechanisms that mediate possible transgenerational effects of metabolic diseases and how oxidative stress is a player, remain largely unknown. This Special Issue aims to provide a broad and updated overview of the involvement of “Genetics and Epigenetic Modifications on Metabolic Diseases Oxidative Related”. We intend to shed some light on the subject, by sharing new clinical or basic studies using genome/epigenome-wide or target genetic/epigenetic approaches. We search for contributions by experts in the field in the form of research papers or critical reviews.



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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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