



Natural Antioxidants in Obesity and Related Diseases

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Message from the Guest Editor

Obesity is a chronic complex disease. Obesity not only increases the risk of metabolic diseases but also produces a chronic inflammatory state which leads to many complications. Recent studies have demonstrated that increased fat deposition in obesity may play a role in or be a result of excessive oxidative stress in the body. Antioxidants derived from nature can modulate oxidative stress. The consumption of natural antioxidants can ameliorate damage caused by oxidative stress through inhibiting the oxidative chain reaction by acting as free radical scavengers. Thus, understanding the mechanism of action of natural antioxidants in redox modulation could be useful to prevent or develop therapies for obesity and related diseases such as diabetes, cardiovascular diseases, fatty liver diseases, inflammatory diseases, or even cancer. In this Special Issue, we will highlight the molecular mechanisms of the antioxidants involved in the prevention of obesity-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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