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The Role of Oxidative Stress in Vascular Disease Associated with Diabetes

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Message from the Guest Editor

Obesity and diabetes are major health problems with a great impact on public health. Unhealthy diets and physical inactivity lead to obesity and subsequently induce insulin resistance which is a major risk factor for diabetes and cardiovascular diseases. Oxidative stress and inflammation are underlying mechanisms of endothelial dysfunction leading to vascular dysfunction, either of small or large blood vessels, in diabetic patients. There are several biomarkers of oxidative stress and inflammation available for assessing the therapeutic response to interventions, but few are currently recommended for clinical use.

This Special Issue will focus on the role of oxidative stress on vascular disease associated with diabetes emphasizing the need for biomarkers clinically relevant and new therapeutical interventions. The future of preventive and personalized medicine will reduce the burden of cardiovascular complications associated with diabetes.



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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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