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Oxidative Stress and Obesity- and Type-2 Diabetes-Induced Heart Failure

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2019)

Message from the Guest Editor

Cardiac failure can be a consequence of obesity and type-2 diabetes, perhaps through the development of oxidative stress. Pharmaceutical and/or dietary antioxidants may be very useful for preventing these deleterious alterations.

We invite you to submit your latest research findings or a review article to this Special Issue, which will bring together current research concerning cardiac consequences of obesity and/or diabetes, oxidative stress of endothelial cells, and/or cardiomyocytes and occurrence of diabetic cardiomyopathy. The role of various antioxidants on cardio-protection during type-2 diabetes will be appreciated. This research can include both in vitro and in vivo studies relating to any of the following topics: basic research about the transition between obesity and diabetic cardiomyopathy; and the influence of antioxidants on cardiac oxidative stress, inflammation, lipotoxicity, organelle (mitochondria, reticulum, and others) function, metabolism, cell death, fibrosis, contractile activity, and cardiac lethality in the different states related to diabetes (obesity, insulin resistance, and type-2 diabetes).

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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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