



The Role of Oxidative Stress in Preeclampsia and Hypertensive Disorders of Pregnancy

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Message from the Guest Editors

Preeclampsia (PE) is a multifactorial maternal syndrome characterized by the onset of hypertension after 20 weeks of gestation associated with proteinuria or other end-organ damage. PE is one of the major causes of maternal and fetal morbidity and mortality worldwide, affecting an estimated 3–8% of all pregnancies. Several risk factors are related to PE and hypertensive disorders of pregnancy including family history, maternal age, chronic hypertension, maternal smoking, number of pregnancies, diabetes, chronic kidney disease, obesity and multifetal gestations.

An oxidative stress imbalance, an asymmetry between intracellular reactive oxygen species (ROS) levels and the antioxidant defense system, is indicated as one of the main participants of the pathophysiology of PE and is known to lead to endothelial dysfunction characteristic of these conditions.

This Special Issue will aggregate to this field by publishing original research studies or reviews focused on oxidative stress and antioxidant therapy related to preeclampsia and hypertensive disorders of pregnancy.





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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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