

Special Issue

Oxidative Stress in Adipose Tissue

Message from the Guest Editors

Oxidative stress (OS) is involved in the development and function of AT. Physiological reactive oxidative species (ROS) are fundamental to the adipogenic differentiation of white adipocytes and to thermogenesis in brown adipose tissue. However, the excessive accumulation of ROS or inadequate ROS clearance, as a consequence of deficiency or failed antioxidant defenses, provoke AT dysfunction and are strongly associated with obesity and metabolic diseases. This Special Issue aims to present an overview of the current knowledge regarding the role of OS and antioxidant therapy in maintaining the healthy functioning of AT. Additionally, it will explore the impact of ROS on the pathological mechanisms that contribute to the development of metabolic diseases involving AT.

Guest Editors

Prof. Dr. Fátima Nogales Bueno

Department of Physiology, Faculty of Pharmacy, Seville University,
41012 Seville, Spain

Prof. Dr. María Luisa Ojeda Murillo

Department of Physiology, Faculty of Pharmacy, Seville University,
41012 Seville, Spain

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Antioxidants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antioxidants@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Alessandra Napolitano

Department of Chemical Sciences, University of Naples “Federico II”,
Via Cintia 4, I-80126 Naples, Italy

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