Special Issue

Oxidative Stress in Plant

Message from the Guest Editors

Plants are exposed to different biotic and abiotic stresses leading to the overproduction of reactive oxygen species (ROS) which are highly toxic and could cause impairment to proteins, lipids, and nucleic acids that finally results in an oxidative stress. Excessive concentrations of ROS are strictly regulated by ROS scavenging pathways such as efficient enzymatic and non-enzymatic antioxidant defence systems that protect plant cells from oxidative stress damage. Coordinated activities of these antioxidants regulate ROS detoxification and reduce oxidative stress in plants. Over the past decades significant progresses have been made to understand the role of ROS and its signalling behaviour in plants under stress. This Special Issue aims to publish original research papers and reviews on aspects of oxidative stress in plants under different stress conditions. The topics covered in this issue will include ROS production and scavenging, ROS signalling in plants, involvement of ROS in cell death, and the role of plants enzymatic and non-enzymatic antioxidants under stress conditions.

Guest Editors

Dr. Juan B. Barroso

Dr. Mounira Chaki

Dr. Juan C. Begara-Morales

Deadline for manuscript submissions

closed (30 November 2019)

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

mdpi.com/journal/antioxidants

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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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