

Special Issue

Reactive Oxygen and Nitrogen Species in Plants

Message from the Guest Editors

During the last few decades, the metabolism of reactive oxygen and nitrogen species (ROS and RNS) has acquired outstanding relevance in higher plant physiology. Previously, some of these ROS/RNS were considered toxic because they could cause nitro-oxidative damage; however, this concept has evolved since they also exert signaling functions among themselves and with other regulators (phytohormones, melatonin, hydrogen sulfide, etc.) being involved in many physiology processes ranging from seed germination to fruit ripening. Likewise, ROS and RNS are also involved in the mechanisms of response against biotic and abiotic stresses. The present Special Issue on “**Reactive Oxygen and Nitrogen Species in Plants**” aims to provide a broad picture of the different areas where these families of molecules related to hydrogen peroxide (H₂O₂) and nitric oxide (NO) are involved. Therefore, all manuscripts that contribute to providing new insights in this area of research are welcome, including original research, reviews, as well as new hypotheses.

Guest Editors

Prof. Dr. Francisco J. Corpas

Department of Stress, Development and Signaling in Plants, Estación Experimental del Zaidín, Consejo Superior de Investigaciones Científicas, 18008 Granada, Spain

Prof. Dr. José M. Palma

Department of Stress, Development and Signaling in Plants, Estación Experimental del Zaidín, Spanish National Research Council (EEZ, CSIC), 18008 Granada, Spain

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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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