



Reactive Oxygen and Nitrogen Species in Plants—2nd Edition

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

Dr. Rosa M. Rivero

Department of Plant Nutrition,
Center of Efaphology and Applied
Biology of Segura (CEBAS),
Spanish National Research
Council (CSIC), 30100 Murcia,
Spain

Prof. Dr. José M. Palma

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

Message from the Guest Editors

The metabolism of reactive oxygen and nitrogen species (ROS and RNS) has acquired outstanding relevance in higher plant physiology due to its broad implications in the metabolism of higher plants. 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 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.

This 2nd edition of the Special Issue desires to extend the relevance of these families of molecules related to H_2O_2 and NO which other molecules such as H_2S and melatonin that have been shown to have close relationships. Therefore, all manuscripts that provide new insights in this area of research are welcome, including original research and reviews, as well as new hypotheses.

Deadline for manuscript
submissions:

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Editor-in-Chief

Prof. Dr. Alessandra Napolitano

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

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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Antioxidants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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