

## Special Issue

# Reactive Oxygen and Nitrogen Species in Plants—2nd Edition

### 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<sub>2</sub>O<sub>2</sub> and NO which other molecules such as H<sub>2</sub>S 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.

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### Guest Editors

Prof. Dr. Francisco J. Corpas

Dr. Rosa M. Rivero

Prof. Dr. José M. Palma

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### Deadline for manuscript submissions

30 November 2025



## 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.

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### Editor-in-Chief

Prof. Dr. Alessandra Napolitano

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