



Redox Biology in Plant Growth, Defence and Metabolism

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Message from the Guest Editor

Reactive oxygen species (ROS) and antioxidant systems play a crucial role in signalling pathways, working towards plant development, environmental interactions, stress response and metabolic adjustments. This likely mainly depends on the evolutionary pressure that turns harmful compounds into useful signals in aerobic organisms and increases plant ability to produce antioxidative compounds. Thus, redox regulation permeates plant processes ranging from primary physiological ones to specific responses activated in complex environmental scenarios. Given the importance of unravelling the complex network of molecular events involving redox actors, possibly affecting plant health and productivity, original works and reviews dealing with all the above-described aspects of plant redox biology are welcome in this Special Issue.





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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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