# **Special Issue**

# Redox Regulation of Plant Growth and Development

### Message from the Guest Editors

Changes in cellular redox homeostasis affect plant growth and development and play a key role in plant stress management. Growth and development, as well as stress mitigation in plants, are redox regulated due to the cooperation between the cellular redox signaling and phytohormone signaling networks. Treatments affecting the redox state of the plant, such as exogenous application of melatonin, various antioxidants, or other chemicals, may act on stress mitigation, causing various biochemical and physiological and even gene regulatory changes. This Special Issue welcomes original research articles, reviews, and communications on antioxidant regulation of plant development and stress mitigation at different levels of research, such as gene expression. epigenetics, biochemistry, and physiology.

### **Guest Editors**

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### Deadline for manuscript submissions

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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

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