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## Oxidative Stress in Plant

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Deadline for manuscript  
submissions:

**closed (30 November 2019)**

### Message from the Guest Editors

Plants are exposed to different biotic and abiotic stresses leading to the overproduction of reactive oxygen species (ROS) which are highly toxic and could cause impairment to proteins, lipids, and nucleic acids that finally results in an oxidative stress. Excessive concentrations of ROS are strictly regulated by ROS scavenging pathways such as efficient enzymatic and non-enzymatic antioxidant defence systems that protect plant cells from oxidative stress damage. Coordinated activities of these antioxidants regulate ROS detoxification and reduce oxidative stress in plants. Over the past decades significant progresses have been made to understand the role of ROS and its signalling behaviour in plants under stress.

This Special Issue aims to publish original research papers and reviews on aspects of oxidative stress in plants under different stress conditions. The topics covered in this issue will include ROS production and scavenging, ROS signalling in plants, involvement of ROS in cell death, and the role of plants enzymatic and non-enzymatic antioxidants under stress conditions.



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# Special Issue



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## Editor-in-Chief

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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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