



Uncovering the Mechanisms of Plant Salinity Stress Response and Tolerance

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Message from the Guest Editor

Dear Colleagues,

Soil salinity is one of the main causes of crop yield reduction and plant species distribution around the world. Plants have developed a wide range of mechanisms to cope with soil salinity, ranging from physiological to molecular ones. Salinity effects on plants can be divided into osmotic and toxic ones. Therefore, responses of plants to salinity resemble that against drought stress, but there are other specific responses to salt stress such as toxic ion detoxification. Although the responses of plants to salinity have been extensively studied in the last decades, more research is still needed to understand how plants respond and tolerate salt stress.

This Special Issue aims to advance the knowledge of the mechanisms underlying the response and tolerance of plants to salt stress. Ideally, manuscripts should deal with physiological (water relations, photosynthesis, nutrient uptake and assimilation, etc.), biochemical (antioxidant systems, primary and secondary metabolism, hormonal changes, etc.) and molecular (gene expression, genetic resources, transgenic plants, molecular signaling, etc.) responses.





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