Special Issue

Salinity Stress in Plants and Molecular Responses 2.0

Message from the Guest Editors

Salinity is a major environmental stressor for plants and results in significant economic losses worldwide. Salinity influences different plant developmental stages, including germination, shoot and root lengths, leaf area, plant height, and flower development. Plants, being sessile organisms, are unable to escape unfavorable environmental conditions and have therefore evolved with a wide range of response mechanisms that allow plants to adapt to adverse environmental conditions, including the expression of stress protective proteins. Adaptive transcriptional and translation changes ensure that a strong defense response occurs under high salinity conditions. To develop the resistance of cultivated plants to salt stress, it is therefore important to isolate, identify, and study the functions of new genes related to tolerance.

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Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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