

Special Issue

New Insights into Plants' Defense Mechanisms against Stresses

Message from the Guest Editors

Plants are exposed to many environmental factors, both biotic (e.g., pathogen infection) and abiotic (e.g., drought, heavy metals, high soil salinity, changes in temperature and light, and UV radiation). These various environmental stresses lead to the activation of plant defense mechanisms, which include the accumulation of low-molecular-weight metabolites, synthesis of special proteins, detoxification mechanisms and changes in phytohormone levels, among others. These processes are important factors in the adaptation of plants to a changing environment, which is also associated with increased chances for their survival and reproduction. This Special Issue will be focused on “New Insights into Plants' Defense Mechanisms against Environmental Stresses”. We are open to novel research papers, reviews and opinion articles describing recent advances in plants' defense mechanisms against environmental stresses, both biotic and abiotic, such as pathogen infection, drought, extreme temperatures, high salinity of soil, UV radiation, etc.

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