Special Issue

Advances in Plant Physiology of Abiotic Stresses Series II

Message from the Guest Editors

Plant stress could be defined as any unfavorable condition or substance that can affect or block the metabolism, growth and development of a plant. Plants are exposed to a large number of conditions or stressors. Abiotic stress is stress caused by non-living agents. Depending on the nature of the causal agent, it can be divided into physical and chemical. Physical stresses include water deficit, salinity (in its osmotic component), temperature extremes (heat, cold, freezing), excessive or insufficient irradiation, anaerobiosis caused by waterlogging or flooding, mechanical stress caused by wind or excessive soil compaction, and stress induced by wounds or injuries. Chemical stress is caused by salinity (in its ionic or toxic component), by the lack of mineral elements and by environmental pollutants such as sulphur dioxide (SO2), nitrogen oxides (NOx), chlorofluorocarbon compounds (CFCs), ozone (O3) and metals.

This Special Issue will focus on “Advances in Plant Physiology of Abiotic Stresses”. We welcome novel research, reviews, and opinion pieces covering all related topics indicated above.

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