



Effects of Abiotic Stresses on Gene Expression and Physiology of Field and Tree Crops

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Message from the Guest Editors

Dear Colleagues,

Unfavourable environmental factors adversely affect plant growth and reduce yield. Abiotic stresses - extreme high and low temperatures, changing rainfall patterns, drought, flooding, salinity, metal stress, and nutrient deficiency - negatively reduce crop production, representing a food security threat, particularly in areas where water supplies are already under pressure, and they also reduce the productivity and quality of forest products and services. In recent years, climate changes represent a global menace for agriculture and forestry sectors, and for the biodiversity. Plant “omic” progress can help in understanding the molecular, physiological and biochemical mechanisms underlying plant abiotic stress responses and in planning new selection, breeding and crop and forestry protection strategies to overcome these threats. This special issue aims to publishes high-quality and innovative papers on these topics.





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Message from the Editor-in-Chief

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