Special Issue

Influence of Irrigation and Water Use on Agronomic Traits of Crop

Message from the Guest Editors

Irrigation measures can meet the huge gap between soil water supply and crop demand, effectively improving crop yield and land use efficiency, so they are widely practiced in arid and semi-arid areas. Crops adapt to different soil and water conditions by changing the economic spectrum of root and leaf, matter allocation, and other agronomic traits to maintain a balance between survival and production. Understanding the effects of irrigation on crop agronomic traits is crucial for optimizing crop water management. However, due to the multi-dimensional complexity of irrigation effects on aboveground and underground parts of crops, there are still some gaps in understanding the link between crop agronomic traits and the efficient use of irrigation water. We welcome any research that meets the objectives and scope of irrigation and crop agronomic traits. The themes can include, but are not limited to: (1) exploring the adaptation strategies of crop agronomic traits to different irrigation levels; (2) exploring the relationship between crop agronomic traits and irrigation water efficiency utilization; and (3) optimizing irrigation management strategies for crops.

Guest Editors

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