Special Issue

Novel Mineral Nutrient and Water Management Tools to Improve Yield and Drought Resistance in Crops

Message from the Guest Editors

Mineral nutrients and water are usually distributed heterogeneously in the soil and exert deep effects on the growth, development, productivity and quality of crops. These changes are firstly sensed by roots, affecting the root hydraulics and architecture and leading to root-to-shoot signalling mechanisms that induce different leaf responses, which are central to optimize the nutrient and water uptake. Therefore, this Special Issue addresses a better understanding of how plants cope with changes in mineral nutrient and water supply to improve crop yield and drought resistance, which can help to identify novel agronomic practices based on mineral nutrient and water management and the selection of more resilient crop genotypes for the future.

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