Special Issue

Latest Research on Multiple Stress Tolerance in Maize

Message from the Guest Editors

Maize is one of the most important crops. Maize production is affected by various abiotic and biotic stressors worldwide. Stresses of various environmental and biotic natures have a significant impact on the physiological processes and parameters, as well as the development dynamics of maize and, on the quantity, quality, and stability of yields due to changing climatic conditions. Soil–plant interactions and the complex nutrient and water use are the main factors that determine plant health. The increased stress tolerance of new genotypes, technological improvements, and breeding results will facilitate the successful implementation of climate-adaptive farming. Altogether, stress tolerance is a complex parameter in plants. The improvement of tolerance to single or multiple stress factors may be rooted in various scientific areas, ranging from the molecular level to different crop production techniques, resulting in a complex research topic. Manuscripts focusing on climate adaptive agriculture and early stress detection, as well as mitigation and stress tolerance improvements of laboratory and field experiments, are invited for submission.

Guest Editors

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Deadline for manuscript submissions

closed (25 June 2024)

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