

Special Issue

Nutrients and Disease Resistance in Plants

Message from the Guest Editor

Mineral stress, an abiotic stress caused by factors such as insufficient nutrients and excessive levels of harmful elements, has reduced soil productivity to the extent that problem soils now account for approximately 70% of the world's agricultural land. Biotic stress, such as that caused by pathogenic microorganisms that infect plants, can inflict significant damage. Plant growth is based on interactions with various microorganisms that have pathogenic and beneficial effects. Producing plants that are resistant to biotic and abiotic stress and ensuring adequate yields is indispensable for humans. The purpose of this Special Issue is to explore the molecular basis for the sustainable resistance of plants to biotic or abiotic stress. Submissions focusing on a wide range of aspects related to this theme, including plant nutrition, stress tolerance, disease resistance, and plant growth promotion, are all welcome. Studies using microbiome, natural variation, mutants, and omics analysis, such as transcriptomics, epigenetics, and metabolomics, would also be greatly appreciated.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2020)



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