Special Issue

Omics-Guided Advancement in Plant Immunity

Message from the Guest Editors

In the face of intensifying climate change, plants serve as the first line of defense, and hence, it is crucial to study their immune mechanisms. The precision of omics technologies has markedly improved over the past several decades, providing a robust tool for investigating the multidimensional changes produced in plants under stress. Moreover, understanding the molecular functions involved in plant immunity can aid in human interventions designed to enhance plant resilience to short-term threats. The employment of bioengineering techniques can also improve plants' capabilities to cope with climate change. Therefore, we posit that utilizing omics technologies to delve into the pathways of plant immunity is of paramount importance in the human response to climate change.

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