Special Issue

Hormone Signaling Underlying Defense Responses and environmental Stresses in Crop Plants

Message from the Guest Editor

This Special Issue seeks to explore the hormone signals that modulate responses to biotic and abiotic stresses in crop plants. Plants respond to stresses with metabolic and physiological changes meant to ameliorate the stress or stymie attacking pathogens or pests, but which are typically accompanied by reduced growth and crop productivity. Responses to stresses are coordinated through the activity of plant hormones, particularly jasmonic acid, ethylene, salicylic acid, and abscisic acid, but also including auxin, brassinosteroids, cytokinins, gibberellic acids, and strigalactones, each of which has been implicated in plant responses to abiotic and biotic stresses. This Special Issue will publish research focused on understanding plant hormones that control stress response pathways, including research on hormone regulation and activity, interactions of plant hormones, and the roles of hormones in modulating the balance between stress responses and plant growth.

Guest Editor

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