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Hormone Metabolism and Signaling in Rice

Guest Editor:

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Message from the Guest Editor

Rice, one of the paramount cereal crops globally, undergoes meticulous regulation of phytohormones throughout its growth and developmental stages. A comprehensive investigation into phytohormone metabolism and signal transduction networks in rice is instrumental in elucidating rice growth, augmenting yield, and bolstering stress resilience. In recent years, remarkable strides have been made in the realm of phytohormone metabolism in rice, propelled by advances in molecular biology, biochemistry, and bioinformatics methodologies. Researchers have unveiled the synthesis, degradation, transport, and signal transduction pathways of diverse phytohormones in rice, while also exploring the intricate interplay among different hormone species. Simultaneously, artificially synthesized growth regulators are extensively utilized to modulate crop growth, enhance yield, and ameliorate quality.

In this Special Issue, we aim to exchange knowledge on any aspect related to rice hormone metabolism and signal transduction, aiming to achieve precise control over rice growth and development processes, and enhance rice resistance to adversity.

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Message from the Editor-in-Chief

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