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Small RNA and Hormone Cross Talk in Plants

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Message from the Guest Editors

Phytohormones and small RNAs (sRNAs) are crucial signalling molecules that enable plant growth and development through the induction of fine transcriptional reprogramming mechanisms. In addition to being essential for controlling plant growth and developmental processes, the interaction among different phytohormone signalling cascades and sRNAs is pivotal to triggering and tuning plant responses to multiple environmental changes.

Although some sRNAs have been shown to act as mediators of phytohormone response pathways by influencing their metabolism, distribution, and perception, more research efforts are needed to provide an in-depth understanding of the sRNA-hormone modules that operate in plants, especially in presence of stress pressure.

Research studies submitted to this Special Issue should provide high-novelty results outlining the functional link between sRNAs and hormonal networks that promote specific plant growth and development in response to environmental stimuli. Review papers that discuss and clarify recent advances on plant adaptation molecular mechanisms controlled by the sRNA and hormone cross talk are welcome as well.



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Special Issue



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Message from the Editor-in-Chief

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