



Molecular Bases of Stress Adaptation in Plants: The Contribute of Regulation by Small RNAs in Plant Development and Stress Response

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Message from the Guest Editors

In recent years, a growing body of evidence unveiled that small RNAs activated upon exposure to abiotic and biotic stresses can greatly contribute to transcriptional and epigenetic modifications associated with plant environmental adaptation.

Although promising advances in elucidating the function and activation of stress-responsive small RNAs and related targets were achieved, developmental and physiological responses depending on RNA signaling cascades still require further investigation, particularly, those potentially involved in stress resilience and stress memory events.

Research works submitted to this Special Issue should report high-novelty results increasing existing knowledge on the small-RNAs involved in the reprogramming of plant defense and/or physiological responses to single or multiple stress factors. Article or review papers providing deeper insight into plant adaptation and stress memory mechanisms involving small RNA activity are particularly welcome.





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