



The Role of Sugars in Plant Responses to Stress and Their Regulatory Function during Development

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Message from the Guest Editors

Owing to their regulatory function, sugars affect all phases of the life cycle of plants, interacting with other signaling molecules including phytohormones, and control plant growth and development. The level of sugars in plant cells, their transport, utilization, and storage are precisely regulated and strongly dependent on cell physiological activity, plant organ, environmental conditions, and plant developmental stage during ontogenesis. It is also tightly controlled by sugar transporters and enzymes. All papers submitted to this Special Issue will underline the central role of sugars in plant defense responses to stresses as well as the impact of climatic conditions on the relationship between sugar metabolism and yielding. Additionally, papers regarding the involvement of sugars as signaling molecules in the processes regulating growth and development will be welcome. Original and review papers dealing with all the above aspects of sugars are welcome for inclusion in this Special Issue of the *International Journal of Molecular Sciences*.





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Message from the Editor-in-Chief

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