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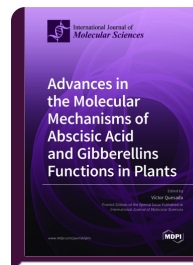
Special Issue Reprint

Advances in the Molecular Mechanisms of Absciscic Acid and Gibberellins Functions in Plants

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Gibberellins (GAs) and abscisic acid (ABA) are two phytohormones that antagonistically regulate plant growth, as well as several developmental processes from seed maturation and germination to flowering time, through hypocotyl elongation and root growth. In general, ABA and GAs inhibit and promote cell elongation and growth, respectively. Consequently, this mutual antagonism between GAs and ABA governs many developmental decisions in plants. In addition to its role as a growth and development modulator, ABA is primarily known for being a major player in the response and adaptation of plants to diverse abiotic stress conditions, including cold, heat, drought, salinity and flooding. Remarkably, different works have also recently pointed to a function for GAs in the control of some biological processes in response to stress. The selection of research and review papers of this book, mostly focused on ABA, covers a wide range of topics related to the most recent advances in the molecular mechanisms of ABA and GA functions in plants.



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