



Hormonal Control of Plant Growth and Development

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Message from the Guest Editor

Plant growth and development are regulated by a genetic program that is fine-tuned by a myriad of extrinsic environmental signals as well as several endogenous plant hormones (phytohormones). These phytohormones are a group of diverse small molecules that include auxins, cytokinins, gibberellins, abscisic acid, ethylene, brassinosteroids, jasmonic acid, salicylic acid, and peptide hormones. They act at very low concentrations but virtually control almost every aspect of growth and development, including adaptation to biotic and abiotic stresses. During the past few decades there has been an incredible growth in our knowledge on the hormonal control of plant growth and development, though our understanding is still far from complete.

In this Special Issue, we highly encourage investigators to contribute high-quality original research and review articles focused on the implications of plant hormones in growth and development, their role in adaptation to the environment, including to abiotic and biotic stresses, cross-talk between plant hormones and other cell signaling systems, and the influence of soil microorganisms on plant growth.





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