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# **Regulation of Plant Responses to Heat and Drought Stress**

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# **Message from the Guest Editors**

High temperatures and drought stresses disturb cellular homeostasis and impede growth and development in plants. Extensive agricultural losses are attributed to heat stress or drought stress, often in combination or with other stresses. Plants have evolved a variety of responses to heat and drought stress to minimize damage and to protect themselves from further stress. Plant scientists and breeders are challenged to understand how plants. especially crop plants, can better tolerate heat and drought stress. The responses of plants to heat and drought stress have been extensively studied, but the means and mechanisms to confer tolerance are less well understood. This Special Issue of *Plants* will highlight the regulatory mechanisms of plant response to heat and drought stress, including but not limited to transcriptional and post-transcriptional regulation, metabolism adjustment, and physiological processes that improve the heat and drought stress tolerance of plants.













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# **Message from the Editor-in-Chief**

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