



## Mechanisms of Crop Growth and Development under Adverse Conditions

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### Message from the Guest Editors

In their natural habitat, adverse and potentially stress-generating conditions are a rule, not an exception, for plant survival. Over millions of years, evolutionary pressures have favored the selection of effective and efficient mechanisms to respond against these potentially stressful conditions. However, recent, and very drastic global climate changes, may represent an over-challenge that is difficult to naturally overcome. This problem arises especially considering the small fringe of cultivated species of economic value and the large knowledge gap that still exists regarding the mechanisms that underlie the regulation of their growth and development under such adverse conditions, particularly considering the species of importance in developing countries. Therefore, compiling knowledge regarding the most effective mechanisms triggered by plants in adverse conditions, especially those related to global climate change and those arising from human activity, is of paramount importance at this time.





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## Message from the Editor-in-Chief

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