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# The Metabolic Adaptations of Plants to Climate Change

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Deadline for manuscript submissions:

closed (1 June 2021)

# **Message from the Guest Editors**

Dear Colleagues,

A plant's ability to adapt to stressors is limited to changes metabolically (rapid), phenotypically (mid), and migratorily (long). Plants may enact more than one response in an attempt to mitigate multiple stressors resulting in complex metabolic changes.

Climate change presents a unique set of challenges to plants. These challenges range from temperature and climatic stressors, to changes in predation and invasive species. The plant's first-line of defense is to metabolically address the oxidative stress; however, while secondary metabolite production may be appropriate for one stressor, the metabolites produced may not be appropriate for multiple stressors.

In this Special Issue, we aim to present papers on plant adaptations to climate change, metabolic pathways activated within plants due to climate change, how shifts in metabolite production affect agricultural systems, plant metabolic implications for predators and pollinators, and plant adaptations to invasive species in a changing climate.











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# **Editor-in-Chief**

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# Message from the Editor-in-Chief

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