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Chloroplast Biology in Plant Stress Response

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Message from the Guest Editors

The chloroplast is the powerhouse of the plant cell, the basis of autotrophic growth and development. However, chloroplasts are resource-intensive and are the main source of photooxidative damage when their activity is not matched to the needs of the cell. This is especially important during the response to stress when growth and chloroplast activity must be repressed together. However, chloroplasts are also among the first sensors of environmental stress. However, the mechanisms underlying the coupling of chloroplast activity to growth are not fully understood. Several signals and pathways have been recognized in matching chloroplast and nuclear activities in the past years. This Special Issue of *Plants* aims to present a collection of relevant scientific papers to promote discussions and describe the most-recent perspectives in the field of chloroplast biology and the plant stress response.



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Special Issue



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Message from the Editor-in-Chief

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