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Chloroplast Biology in Plant Stress Response

Guest Editors:

Dr. Stefano D'Alessandro

Aix-Marseille University, CNRS UMR7265, CEA, Institute of Biosciences and Biotechnologies of Aix Marseille, F-13009 Marseille, France

Dr. Juan Camilo Moreno Beltran

Center for Desert Agriculture (CDA), King Abdullah University of Science and Technology (KAUST), 4700 KAUST, Thuwal, Saudi Arabia

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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 the stress However. 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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Editor-in-Chief

Prof. Dr. Dilantha Fernando Department of Plant Science, University of Manitoba, Winnipeg, MB R3T 2N2. Canada

Message from the Editor-in-Chief

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