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A BRIEF SKETCH OF STRATEGIES AND PLANNING FOR PLANT METABOLIC PATHWAY MODERATION

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In order to improve metabolic engineering potentialities, new transformation mechanisms have been developed to allow for gene specific silencing strategies or stacking of multiple genes within the same region of the chromosome. Metabolic engineering of plant production systems are now developed using these resources and much more complex products are synthesized in engineered microbial hosts. Plant secondary metabolism has vital role in functioning various functionalities in the plant's life cycle including their response to different interactions with environments. Due to various internal qualities of secondary metabolites, scientists have become interested to work for development in the metabolic engineering and route changing of plant secondary metabolism pathway. Various researchers have identified various strategies and methodologies for pathway alteration. Gene encoding biosynthetic enzymes and gene encoding regulatory proteins are important examples in this regard. To uncover the hidden mystery within the plant is one of the great passion for researchers. The present article sketches the foundation of strategies and planning for engineering metabolic pathway. This article will stimulate researchers to correlate their work, direction, and motivation with their work in this field to make their prosperous idea successful for future world.