



## Photosynthetic Nitrogen Assimilation and Associated Carbon and Respiratory Metabolism

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Book Condition: New. Publisher/Verlag: Springer Netherlands | According to many textbooks, carbohydrates are the photosynthesis and mitochondrial respiration fluctuate in a circadian manner in almost every unique final products of plant photosynthesis. However, the photoautotrophic production of organic organism studied. In addition, external triggers and environmental influences necessitate precise and nitrogenous compounds may be just as old, in appropriate re-adjustment of relative flux rates, to evolutionary terms, as carbohydrate synthesis. In the algae and plants of today, the light-driven assimilation prevent excessive swings in energy/resource provision of nitrogen remains a key function, operating and use. This requires integrated control of the alongside and intermeshing with photosynthesis and expression and activity of numerous key enzymes in respiration. Photosynthetic production of reduced photosynthetic and respiratory pathways, in order to carbon and its reoxidation in respiration are necessary co-ordinate carbon partitioning and nitrogen assimilation. to produce both the energy and the carbon skeletons required for the incorporation of inorganic nitrogen This volume has two principal aims. The first is to into amino acids. Conversely, nitrogen assimilation provide a comprehensive account of the very latest developments in our understanding of how green is required to sustain the output of organic carbon cells reductively...



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