



Plant Organelles: Compartmentation of Metabolism in Photosynthetic Tissue

By -

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2008.
Paperback. Book Condition: New. Reissue. 230 x 152 mm.
Language: English . Brand New Book ***** Print on Demand *****.Photosynthetic plant cells are compartmentalized into subcellular organelles such as chloroplasts, mitochondria, peroxisomes, the cytosol and the vacuole. Although this compartmentation serves to isolate particular functions to particular subcellular locations, the successful metabolic activity of the cell is actually dependent on a controlled and coordinated interaction between these organelles. In this book, leading scientists have contributed reviews of current research on the interaction of organelles in processes such as C3, C4, C3-C4, and CAM photosynthesis, photorespiration, substrate and protein transport, respiration, lipid metabolism and organelle biogenesis. The result is a comprehensive volume which provides a rich source of reference and information for plant biochemists and their students.



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