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Nota di contenuto	chapter 1 Milestones in photosynthesis research -- part PART I: Evolution, structure and function -- chapter 2 ; Natural oxygenic and anoxygenic photosynthesis based on newly found chlorophylls -- chapter 3 Light-harvesting antennas in plants -- chapter 4 Stalk, no stalk or double stalk? Experimental strategies, results and speculations on CF1 CF0 interactions within the photosynthetic ATP synthase -- chapter 5 Energy transduction in the Z-scheme -- chapter 6 Chloroplast thylakoid membranes: a paradigm for biogenetic and evolutionary complexity -- chapter 7 The manganese cluster in photosystem II investigated by EPR spectroscopy -- part PART 2: Biodiversity, metabolism and regulation -- chapter 8 Diversity in photosynthesis -- chapter 9 C3/C4 Carbon metabolism and regulation -- chapter 10 Ribulose 1,5-bisphosphate carboxylase/oxygenase: activation and regulation -- chapter 11 Molecular aspects of Rubisco specificity -- chapter 12 CAM photosynthesis: ecophysiological and

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Sommario/riassunto

Probing Photosynthesis represents the cutting edge of research on photosynthesis and provides details of experimental approaches that have been adopted to understand its complex regulatory and adaptive processes. Its twenty seven chapters have been divided into four sections: Evolution, structure and function; Biodiversity metabolism and regulation; Stress and adaptations; and Techniques. Written by leading subject experts from around the world, this comprehensive treatise will interest researchers and students from all disciplines of plant science and provide a useful reference for courses in plant biochemistry, crop physiology, plant biotechnology and environmental botany.
