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Descrizione fisica	1 online resource (x, 496 pages) : illustrations
Collana	Botanical monographs ; ; v. 14
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Soggetti	Plant cells and tissues Plant molecular biology Plant Cells Plants - genetics Cellular Structures Molecular Biology - methods Botany Earth & Environmental Sciences Plant Physiology
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Nota di bibliografia	Bibliography: p. 442-483.
Nota di contenuto	Plant cell structure and function -- Plant cell walls -- Membrane structure and transport -- Chloroplasts: Structure and development -- Chloroplasts: Structure and photosynthesis -- Plant mitochondria -- Microbodies -- Microtubules -- The endomembrane system and the integration of cellular activities -- Gene expression and its regulation in plant cells -- The nucleus and the organization and transcription of nuclear DNA -- Protein synthesis in the cytoplasm -- The genetic information of organelles and its expression -- Regulation of enzyme levels and activity -- Hormone action -- Phytochrome action -- The manipulation of plant cells -- Plant cell culture -- The physiology of isolated plant protoplasts -- Genetic variation in cultured plant cells.