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Altri autori (Persone)	UlvskovPeter
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Nota di contenuto	Cell wall polysaccharide composition and covalent cross-linking / Stephen Fry -- Dissection of the plant cell walls by high throughput methods / Staffan Persson ... [et al.] -- Approaches to chemical synthesis of pectic oligosaccharides / Sergey A. Nepogodiev, Robert A. Field and Iben Damager -- Annotating carbohydrate-active enzymes in plant genomes: present challenges / Pedro M. Coutinho and Bernard Henrissat -- The biosynthesis of plant cell wall and related polysaccharides by enzymes of the GT2 and GT48 families / Bruce A. Stone ... [et al.] -- Glycosyltransferases of family 8 (GT8) / Yanbin Yin ... [et al.] -- The genes and enzymes of CAZy GT-family-31: towards unravelling the function(s) of the plant glycosyltransferase family members / Jack Egelund ... [et al.] -- Glycosyltransferases from CAZy family GT34 and GT37 / Kenneth Keegstra and David Cavalier -- Glycosyltransferase family 43 / Nadine Anders and Paul Dupree -- The glycosyltransferases of family GT47 / Naomi Geshi ... [et al.] -- The plant glycosyltransferase 64 (GT64) family: in search of a function / Ellinor Edvardsson ... [et al.] -- Glycosyltransferases of family GT77 /

Bent Larsen Petersen, Kirsten Faber, Peter Ulvskov -- Hydroxyproline-rich glycoproteins: form and function / Marcia J. Kieliszewski ... [et al.] -- Plant cell wall biology: polysaccharides in architectural and developmental contexts / Maureen C. McCann and J. Paul Knox -- Enzymatic modification of plant cell wall polysaccharides / Jens Øbro, Takahisa Hayashi, Jørn Dalgaard Mikkelsen -- Production of heterologous storage polysaccharides in potato plants / Xing-Feng Huang ... [et al.] -- Glycan engineering in transgenic plants / Muriel Bardor, Jose A. Cremata and Patrice Lerouge -- Polysaccharide nanobiotechnology: a case study of dental implant coating / Marco Morra ... [et al.].

Sommario/riassunto

Plant Polysaccharides, an exceptional new volume in Wiley-Blackwell's successful Annual Plant Reviews series, covers the polysaccharides and proteins that form the fundamental architecture of the plant cell wall, and the genes that encode the cellular machinery that synthesizes them. The volume focuses on the evolution of the many families of genes whose products are required to make a particular kind of polysaccharide, bringing attention to the specific biochemical properties of the proteins to the level of kinds of sugar linkages they make. Beautifully illustrated in full colour t
