



The expanding cell

/

Verbelen, Jean-Pierre
Vissenberg, Kris

Springer,
2007

Electronic books

Monografía

After division, plant cells are able to increase their volume enormously by cell expansion, making the expanding cell a crucial player in the production of biomass. The study of plant cell expansion involves many different disciplines and technical approaches, and this book is the first attempt to bring this diversity together to present a multifaceted view of the most up-to-date knowledge. Included are data ranging from biophysical measurements and chemical analysis to molecular biological approaches and microscopy

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU4OTUwMzI>

Título: The expanding cell volume editors, Jean-Pierre Verbelen, Kris Vissenberg

Editorial: Berlin New York Springer 2007

Descripción física: 1 online resource (x, 297 pages) illustrations (some color)

Mención de serie: Plant cell monographs 5

Bibliografía: Includes bibliographical references and index

Contenido: Cell Expansion: Past, Present and Perspectives -- Solute and Water Relations of Growing Plant Cells -- Cellulose and Cell Elongation -- Hemicelluloses and Cell Expansion -- Roles of the XTH Protein Family in the Expanding Cell -- Expansins -- Pectic Polysaccharides and Expanding Cell Walls -- Redox and Wall-Restructuring -- Mechanics of the Expanding Cell Wall -- The Cytoskeleton and Co-Ordination of Directional Expansion in aMulticellular Context -- The Control of Cell Size and Rate of Elongation in the Arabidopsis Root -- Signal Crosstalk in the Control of Hypocotyl Elongation in Arabidopsis

Copyright/Depósito Legal: 185026503 228376837 401452843 607270455 647622112 704439217 994843806 1005747993 1020004840 1035698441 1044130592 1044180858 1056308719 1056373929 1078108094 1087001238 1097266221

ISBN: 9783540391142 hd. bd.) 3540391142 hd. bd.) 9783540391166 electronic bk.) 3540391169 electronic bk.) 6610656703 9786610656707

Materia: Plant cells and tissues Cells- Growth Cells SCIENCE- Life Sciences- Cell Biology Biomédecine Sciences de la vie Cells- Growth Plant cells and tissues

Autores: Verbelen, Jean-Pierre Vissenberg, Kris

Enlace a formato físico adicional: Print version Expanding cell. Berlin ; New York : Springer, 2007
9783540391142 3540391142 (DLC) 2006931676 (OCoLC)77482292

Punto acceso adicional serie-Título: Plant cell monographs 5

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es