

Apoplast Of Higher Plants

[DOWNLOAD HERE](#)

From the contents: DEDICATION;IN MEMORY OF BURKHARD SATTELMACHER: Walter Horst;- Preface: Burkhard Sattelmacher and Walter Horst;- FOREWORD:THE PLANT LEAF APOPLAST: D.T. Clarkson;- Section 1: CELL WALL ION INTERACTIONS - SIGNIFICANCE FOR NUTRITION OF PLANTS AND THEIR STRESS TOLERANCE- CELL WALL - ION INTERACTIONS: N. Carpita; BORON IN THE APOPLAST OF HIGHER PLANTS: M.A. Wimmer and H.E. Goldbach; SILICON IN PLANT NUTRITION: H. Wiese, M. Nikolic and V. Rmheld; SIGNIFICANCE OF THE ROOT APOPLAST FOR ALUMINIUM TOXICITY AND RESISTANCE OF MAIZE: W.J. Horst, M. Kollmeier, N. Schmohl, M. Sivaguru, Y. Wang, H.H. Felle, R. Hedrich, W. Schrder and A. Sta; SIGNIFICANCE OF POLYAMINES FOR PECTIN-METHYLESTERASE ACTIVITY AND THE ION DYNAMICS IN THE APOPLAST: J. Gerendas;- Section 2: THE ROOT APOPLAST IMPLICATION FOR ION ACQUISITION AND SHORT-DISTANCE TRANSPORT- THE APOPLAST: A KINETIC PERSPECTIVE: A. Glass, THE APOPLAST OF ECTOMYCORRHIZAL ROOTS - SITE OF NUTRIENT UPTAKE AND NUTRIENT EXCHANGE BETWEEN THE SYMBIOTIC PARTNERS: H. Bcking, R. Hans and W. Heyser; CHEMICAL COMPOSITON OF APOPLASTIC TRANSPORT BARRIERS IN ROOTS:L. Schreiber, R. Franke and K. Hartmann; APOPLASTIC WATER TRANSPORT IN ROOTS: E. Steudle and K. Ranathunge;- Section 3: ION UPTAKE FROM AND LOADING INTO THE APOPLAST: CHARACTERISATION OF CHANNEL PROPERTIES AND RELEVANCE FOR THE NUTRITION OF PLANTS- LONG DISTANCE TRANSPORT IN PLANTS: TOWARDS ANALYSES OF REGULATORY INTERACTIONS BETWEEN MEMBRANE TRANSPORT SYSTEMS AND CELL WALL IONIC ATMOSPHERE IN VASCULAR TISSUES: H. Sentenac; THE ROLE OF POTASSIUM IN WOOD FORMATION OF POPLAR: J. Fromm and R. Hedrich; TRANSPORT CHARACTERISTICS OF ION CHANNELS AS INFLUENCED BY APOPLASTIC PROPERTIES: P. Ache and R. Deeken; ION UPTAKE FROM THE XYLEM INTO THE SYMPLASM OF THE MAIZE LEAF: M. Abshagen-Keunecke and U.-P. Hansen; LOADING OF IONS INTO THE XYLEM OF THE ROOT: B. Khler and K. Raschke;- Section 4: THE SIGNIFICANCE OF THE APOPLAST AS A COMPARTMENT FOR LONG-DISTANCE TRANSPORT- NEW TOOLS TO EXPLORE THE APOPLAST:

F.W. Bentrup; ON-LINE MEASUREMENTS OF ION RELATIONS IN THE XYLEM SAP OF INTACT PLANTS: L.H. Wegner, H. Schneider and U. Zimmermann; DYNAMIC AND NUTRIENT FLUXES IN THE XYLEM: F. GILMER and U. Schurr; RELATIONSHIP BETWEEN APOPLASTIC NUTRIENT CONCENTRATIONS AND THE LONG-DISTANCE TRANSPORT OF NUTRIENTS IN THE RICINUS COMMUNIS L. SEEDLING: E. Komor, G. Orlich and H. Bauer-Ruckdeschel; LONG-DISTANCE WATER TRANSPORT UNDER CONTROLLED TRANSPIRATIONAL CONDITIONS: MINIMAL-INVASIVE INVESTIGATIONS BY MEANS OF PRESSURE PROBES AND NMR IMAGING: H. Schneider, L.H. Wegner, A. Haase and U. Zimmermann ... EAN/ISBN : 9781402058431 Publisher(s): Springer Netherlands Format: ePub/PDF Author(s): Sattelmacher, Burkhard - Horst, Walter J.

[DOWNLOAD HERE](#)

Similar manuals:

[Apoplast Of Higher Plants](#)