

## Author Index to Volume 21, 2002–2003

- Abrams, S. R., see Sauter, A., et al. . . . . 50  
Arbona, V., see Gómez-Cadenas, A., et al. . . . . 234  
Armstrong, D. J.: Folke K. Skoog: In Memory and Tribute . . . 3  
Armstrong, D. J.: Thomas C. Moore 1936–2002 . . . . . 199  
Auer, C. A.: Discoveries and Dilemmas Concerning Cytokinin  
Metabolism . . . . . 24  
  
Barlow, P. W.: The Root Cap: Cell Dynamics, Cell Differentiation  
and Cap Function . . . . . 261  
Baskin, T. I., see Ivanov, V. B., et al. . . . . 60  
Bengough, G., see Hawes, M. C., et al. . . . . 352  
Bibikova, T., Gilroy, S.: Root Hair Development . . . . . 383  
Blancaflor, E. B.: The Cytoskeleton and Gravitropism in Higher  
Plants . . . . . 120  
Bloom, A. J., Meyerhoff, P. A., Taylor, A. R., Rost, T. L.: Root  
Development and Absorption of Ammonium and Nitrate from  
the Rhizosphere . . . . . 416  
Bloom, A. J., Rost, T. L.: Root Structure and Function . . . 245  
Braun, M., Buchen, B., Sievers, A.: Actomyosin-Mediated  
Stalolith Positioning in Gravisensing Plant Cells Studied in  
Microgravity . . . . . 137  
Buchen, B., see Braun, M., et al. . . . . 137  
  
Cassab, G., see Hawes, M. C., et al. . . . . 352  
Chan, Y.: In Fond Memory of Judith L. Croxdale (1941–2002)  
. . . . . 197  
Chapman, K., Groot, E. P., Nichol, S. A., Rost, T. L.: Primary Root  
Growth and the Pattern of Root Apical Meristem Organization  
are Coupled . . . . . 287  
Chen, S., Li, J., Wang, T., Wang, S., Polle, A., Hüttermann, A.:  
Osmotic Stress and Ion-Specific Effects on Xylem Abscisic Acid  
and the Relevance to Salinity Tolerance in Poplar . . . . . 224  
Chiatante, D., Scippa, S. G., Di Iorio, A., Sarnataro, M.: The In-  
fluence of Steep Slopes on Root System Development . . 247  
Christianson, M. L., Duffy, S. H.: Dose-Dependent Effect of Sali-  
cylates in a Moss, *Funaria hygrometrica* . . . . . 200  
Correll, M. J., Kiss, J. Z.: Interactions Between Gravitropism and  
Phototropism in Plants . . . . . 89  
  
Deruère, J., Kieber, J. J.: Molecular Mechanisms of Cytokinin  
Signaling . . . . . 32  
Di Iorio, A., see Chiatante, D., et al. . . . . 247  
Dobrochaev, A. E., see Ivanov, V. B., et al. . . . . 60  
Driss-Ecole, D., see Perbal, G. . . . . 156  
Duffy, S.H., see Christianson, M. L. . . . . 200  
  
Eissenstat, D. M., see Wells, C. E. . . . . 324  
Enstone, D. E., Peterson, C. A., Ma, F.: Root Endodermis  
and Exodermis: Structure, Function, and Responses to the  
Environment . . . . . 335  
Evans, M. L., see Wolverton, C., et al. . . . . 102  
  
Fasano, J. M., Massa, G. D., Gilroy, S.: Ionic Signaling in Plant  
Responses to Gravity and Touch . . . . . 71  
  
Feldman, L. J., see Jiang, K. . . . . 432  
Fertl, R J., see Paul, A.-L. . . . . 166  
  
Gilroy, S., see Bibikova, T. . . . . 383  
Gilroy, S., see Fasano, J. M., et al. . . . . 71  
Gómez-Cadenas, A., Arbona, V., Jacas, J., Primo-Millo, E., Talon,  
M.: Abscisic Acid Reduces Leaf Abscission and Increases Salt  
Tolerance in Citrus Plants . . . . . 234  
Gould, J. H., see Wang, J.-T., et al. . . . . 469  
Groot, E. P., see Chapman, K., et al. . . . . 287  
  
Hartung, W., see Sauter, A., et al. . . . . 50  
Hasegawa, K., see Suzuki, T., et al. . . . . 209  
Haver, D. L., Schuch, U. K., Lovatt, C. J.: Exposure of *Petunia*  
Seedlings to Ethylene Decreased Apical Dominance by Redu-  
cing the Ratio of Auxin to Cytokinin . . . . . 459  
Hawes, M. C., Bengough, G., Cassab, G., Ponce, G.: Root Caps  
and Rhizosphere . . . . . 352  
Hirsch, A. M.: In Memoriam of Judith G. Croxdale . . . . . 198  
Hirsch, A. M., see Lum, M. R. . . . . 368  
Holbrook, M. N., see Zwieniecki, M. A., et al. . . . . 315  
Hüttermann, A., see Chen, S., et al. . . . . 224  
  
Ishikawa, H., see Wolverton, C., et al. . . . . 102  
Ivanov, V. B., Dobrochaev, A. E., Baskin, T. I.: What the Dis-  
tribution of Cell Lengths in the Root Meristem Does and Does  
Not Reveal About Cell Division . . . . . 60  
  
Jacas, J., see Gómez-Cadenas, A., et al. . . . . 234  
Jiang, K., Feldman, L. J.: Root Meristem Establishment and  
Maintenance: The Role of Auxin . . . . . 432  
  
Kato, T., Morita, M. T., Tasaka, M.: Role of Endodermal Cell  
Vacuoles in Shoot Gravitropism . . . . . 113  
Kern, V. D., see Schwuchow, J. M., et al. . . . . 146  
Kieber, J. J., see Deruère, J. . . . . 32  
Kieber, J. J.: Tribute to Folke Skoog: Recent Advances in our  
Understanding of Cytokinin Biology . . . . . 1  
Kiss, J. Z.: Plants and Gravity . . . . . 69  
Kiss, J. Z., see Correll, M. J. . . . . 89  
Kocsis, L., see Smart, D. R., et al. . . . . 296  
Kopcewicz, J., see Maciejewska, B. . . . . 216  
Kosugi, K., see Tsutumi, D., et al. . . . . 441  
Kusakabe, I., see Suzuki, T., et al. . . . . 209  
  
Lev-Yadun, S.: The Distance to Which Wound Effects Influence  
the Structure of Secondary Xylem of Decapitated *Pinus pinea*  
. . . . . 191  
Li, J., see Chen, S., et al. . . . . 224  
Lovatt, C. J., see Haver, D. L., et al. . . . . 459  
Lum, M. R., Hirsch, A. M.: Roots and Their Symbiotic Microbes:  
Strategies to Obtain Nitrogen and Phosphorus in a Nutrient-  
Limiting Environment . . . . . 368  
  
Ma, F., see Enstone, D. E., et al. . . . . 335  
Maciejewska, B., Kopcewicz, J.: Inhibitory Effect of Methyl Jas-  
monate on Flowering and Elongation Growth in *Pharbitis nil*  
. . . . . 216

- Massa, G. D., see Fasano, J. M., et al. . . . . 71  
Meyerhoff, P. A., see Bloom, A. J., et al. . . . . 416  
Mizuyama, T., see Tsutsumi, D., et al. . . . . 441  
Morita, M. T., see Kato, T., et al. . . . . 113
- Newton, R. J., see Wang, J.-T., et al. . . . . 469  
Nichol, S. A., see Chapman, K., et al. . . . . 287
- Padmanabhan, V., see Wang, J.-T., et al. . . . . 469  
Paul, A.-L., Ferl, R. J.: Molecular Aspects of Stress-Gene Regulation During Spaceflight . . . . . 166  
Perbal, G., Driss-Ecole, D.: Contributions of Space Experiments to the Study of Gravitropism . . . . . 156  
Peterson, C. A., see Enstone, D. E., et al. . . . . 335  
Polle, A., see Chen, S., et al. . . . . 224  
Ponce, G., see Hawes, M. C., et al. . . . . 352  
Porterfield, D. M.: The Biophysical Limitations in Physiological Transport and Exchange in Plants Grown in Microgravity 177  
Primo-Millo, E., see Gomez-Cadenas, A., et al. . . . . 234
- Rost, T. L., see Bloom, A. J. . . . . 245  
Rost, T. L., see Bloom, A. J., et al. . . . . 416  
Rost, T. L., see Chapman, K., et al. . . . . 287
- Sack, F. D., see Schwuchow, J. M., et al. . . . . 146  
Sakakibara, H., Takei, K.: Identification of Cytokinin Biosynthesis Genes in *Arabidopsis*: A Breakthrough for Understanding the Metabolic Pathway and the Regulation in Higher Plants . . . 17  
Sarnataro, M., see Chiatante, D., et al. . . . . 247  
Sauter, A., Abrams, S. R., Hartung, W.: Structural Requirements of Abscisic Acid (ABA) and its Impact on Water Flow During Radial Transport of ABA Analogues Through Maize Roots 50  
Schmülling, T.: New Insights into the Functions of Cytokinins in Plant Development . . . . . 40  
Schuch, U. K., see Haver, D. L., et al. . . . . 459  
Schwuchow, J. M., Kern, V. D., White, N. J., Sack, F. D.: Conservation of the Plastid Sedimentation Zone in All Moss Genera with Known Gravitropic Protonemata . . . . . 146  
Scippa, S. G., see Chiatante, D., et al. . . . . 247
- Sievers, A., see Braun, M., et al. . . . . 137  
Smart, D. R., Kocsis, L., Walker, M. A., Stockert, C.: Dormant Buds and Adventitious Root Formation by *Vitis* and Other Woody Plants . . . . . 296  
Stockert, C., see Smart, D. R., et al. . . . . 296  
Suzuki, T., Tomita-Yokotani, K., Yoshida, S., Takase, Y., Kusakabe, I., Hasegawa, K.: Preparation and Isolation of Oligogalacturonic Acids and Their Biological Effects in Cockscomb (*Celosia argentea* L.) Seedlings . . . . . 209
- Takase, Y., see Suzuki, T., et al. . . . . 209  
Takei, K., see Sakakibara, H. . . . . 17  
Talon, M., see Gómez-Cadenas, A., et al. . . . . 234  
Tasaka, M., see Kato, T., et al. . . . . 113  
Taylor, A. R., see Bloom, A. J., et al. . . . . 416  
Thompson, M. V., see Zwieniecki, M. A., et al. . . . . 315  
Tomita-Yokotani, K., see Suzuki, T., et al. . . . . 209  
Tsutsumi, D., Kosugi, K., Mizuyama, T.: Effect of Hydrotropism on Root System Development in Soybean (*Glycine max*): Growth Experiments and a Model Simulation . . . . . 441
- Walker, M. A., see Smart, D. R., et al. . . . . 296  
Wang, J.-T., Gould, J. H., Padmanabhan, V., Newton, R. J.: Analysis and Localization of the Water-Deficit Stress-Induced Gene (*lp3*) . . . . . 469  
Wang, S., see Chen, S., et al. . . . . 224  
Wang, T., see Chen, S., et al. . . . . 224  
Wells, C. E., Eissenstat, D. M.: Beyond the Roots of Young Seedlings: The Influence of Age and Order of Fine Root Physiology . . . . . 324  
White, N. J., see Schwuchow, J. M., et al. . . . . 146  
Wolverton, C., Ishikawa, H., Evans, M. L.: The Kinetics of Root Gravitropism: Dual Motors and Sensors . . . . . 102
- Yoshida, S., see Suzuki, T., et al. . . . . 209
- Zwieniecki, M. A., Thompson, M. V., Holbrook, M. N.: Understanding the Hydraulics of Porous Pipes: Tradeoffs Between Water Uptake and Root Length Utilization . . . . . 315