

CURRICULUM VITAE

Sadanand A. Dhekney
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EDUCATION

Ph.D. (Horticulture), August 2004

Horticultural Sciences Department, University of Florida (USA)

M.S. (Horticulture), June 1999

Tamil Nadu Agricultural University, Coimbatore (India)

B.S. (Agriculture), July 1997

Mahatma Phule Agricultural University, Pune (India)

PROFESSIONAL HISTORY

Jan 2012 – current, Assistant Professor of Horticulture, University of Wyoming

Nov 2010 – Nov 2011, Graduate Faculty/Research Manager, Fort Valley State University

Jan 2007 – Nov 2010, Visiting Assistant Professor, University of Florida

May 2004 – Dec 2006, Post-Doctoral Research Associate, University of Florida

Aug 2000 – Apr 2004, Graduate Research Assistant, University of Florida

TEACHING

PLNT 3036 – Grape Production - (3 credits)

PLNT 4050/5050 – Plant Biotechnology (2 lecture + 1 lab credit)

PLNT 3300 – Horticultural Plant Propagation (team taught – 3 credits)

PLNT 5720 – Plant Disease Problems (3 credits)

AECL 4920 – Research Apprenticeship - (2 credits)

PLNT 4975 – Special Problems in Plant Science - (2 credits)

BIOT 5893 – Biotechnology in Crop Improvement (3 credits)

PUBLICATIONS

Refereed Papers

2014

33. Gray, D.J., Li, Z.T., and Dhekney, S.A. 2014. Precision breeding of grapevine for improved traits. *Plant Science*, 228: 3-10.

32. Li, Z.T., Kim, K.H., Dhekney, S.A., Jasinski, J.R., Creech, M.R., and Gray, D.J. 2014. An optimized procedure for plant recovery from somatic embryos significantly facilitates the genetic improvement of *Vitis*. Horticulture Research, 1: 1-7 doi:10.1038/hortres.2014.27.

31. Dutt, M., Dhekney, S.A., Soriano, L., Kandel, R., and Grosser J.W. 2014. Temporal and spatial control of gene expression in horticultural crops. Horticulture Research, 1: 1-17. doi:10.1038/hortres.2014.27.

30. Sitther, V.S., D. Zhang, D.L. Harris, A.K. Yadav, F.T. Zee and S.A. Dhekney. 2014. Genetic characterization of guava (*Psidium guajava*) germplasm in the United States using microsatellite markers. Genetic Resources and Crop Evolution, 61: 829-839.

29. Bergey, D.R., Kandel, R., Tyree, B.K., Dutt, M., and Dhekney, S.A. 2014. The role of calmodulin and related proteins in plant cell function: an ever thickening plot. Springer Science Reviews, 2: 145-159.

2013

28. Yadav N.K., J.F. Lee, B.N. Vaidya, K. Henderson, W.M. Stewart, S.A. Dhekney and N. Joshee. A Review of *Paulownia* biotechnology: A Short Rotation, Fast Growing Multipurpose Bioenergy Tree. American Journal of Plant Sciences, 4: 2070-2082.

2012

27. Sitther, V., Zhang, D., Dhekney S.A., Harris, D.L., Yadav, A.K., and Okie W.R. 2012. Cultivar identification, pedigree verification, and diversity analysis among peach cultivars based on simple sequence repeat markers. Journal of the American Society of Horticultural Sciences, 137:114-121.

2011

26. Dhekney, S.A., Z.T. Li and D.J. Gray. 2011. Grapevines engineered to express cisgenic *Vitis vinifera* thaumatin-like protein exhibit fungal disease resistance. In Vitro Cellular and Developmental Biology: Plant, 47:458-466.

25. Dhekney, S.A., Z.T. Li and D.J. Gray. 2011. Factors influencing induction and maintenance of *Vitis rotundifolia* Michx. embryogenic cultures. Plant Cell Tissue and Organ Culture, 105:175-180.

24. Li, Z.T., S.A. Dhekney and D.J. Gray. 2011. Use of the VvMybA1 gene for non-destructive quantification of promoter activity via color histogram analysis in grapevine (*Vitis vinifera*) and tobacco. Transgenic Research, 20:1087-1097.

23. Li, Z.T., S.A. Dhekney and D.J. Gray. 2011. PR-1 gene family of grapevine: a uniquely duplicated PR-1 gene from a *Vitis* interspecific hybrid confers high level resistance to bacterial disease in transgenic tobacco. Plant Cell Reports, 30:1-11.

22. Sitther, V., D.L. Harris, S.A. Dhekney, J. Bai, E.A. Baldwin and A.K. Yadav. 2011. Total phenol content of guava fruit and development of an in vitro regeneration protocol amenable to genetic improvement. International Journal of Food Safety, Nutrition and Public Health, 4:225-236.

2010

21. Li, Z.T., S.A. Dhekney and D.J. Gray. 2010. Molecular characterization of a SCAR marker linked to seedlessness in grapevine (*Vitis vinifera*) reveals a lack of sequence fidelity. *Molecular Breeding*, 25:637-644.

2009

20. Dhekney, S.A., Z.T. Li, T.W. Zimmerman and D.J. Gray. 2009. Factors influencing genetic transformation and plant regeneration of *Vitis*. *American Journal of Enology and Viticulture*, 60:285-292.

19. Dhekney, S.A., Z.T. Li, M.E. Compton and D.J. Gray. 2009. Optimizing initiation and maintenance of *Vitis* embryogenic cultures. *HortScience*, 44:1400-1406.

18. Gray, D.J., Z.T. Li., S.A. Dhekney, D.L. Hopkins, and C.L. Sims. 2009. 'Delicious': An early ripening, self-fertile, multipurpose black muscadine grape. *HortScience*, 44:200-201.

17. Gray, D.J., Z.T. Li., S.A. Dhekney, D.L. Hopkins, and C.L. Sims. 2009. 'Southern Jewel': A self-fertile black muscadine grape with fruit produced on bunches. *HortScience*, 44:1476-1477.

2008

16. Dhekney, S.A., Z.T. Li, M. Dutt, and D.J. Gray. 2008. Agrobacterium-mediated transformation of embryogenic cultures and regeneration of transgenic plants in *Vitis rotundifolia* (Muscadine grape). *Plant Cell Reports*, 27: 865-872.

15. Li, Z. T., S.A. Dhekney, M. Dutt and D. J. Gray. 2008. An improved protocol for *Agrobacterium*-mediated transformation of grapevine. *Plant Cell Tissue and Organ Culture*, 93:311-321.

14. Dutt, M., Z.T. Li, S.A. Dhekney, and D.J. Gray. 2008. A co-transformation system to produce transgenic grapevines free of marker genes. *Plant Science*, 175:423-430.

13. Gray, D.J., S.A. Dhekney, Z.T. Li and T.W. Zimmerman. 2008. Green genetic engineering technology: The use of endogenous genes to create fungal disease resistant grapevines. *Proceedings of the Caribbean Food Crops Society*, 44: 197-203.

2007

12. Dhekney, S.A., R.E. Litz, D. Moraga-Amador and A.K. Yadav. 2007. Potential for introducing cold tolerance into papaya by transformation with C-repeat binding factor (CBF) genes. *In Vitro Cellular and Developmental Biology, Plant*: 43:195-202.

11. Dhekney, S.A., Z.T. Li, M. Van Aman, M. Dutt, J. Tattersall, K.T. Kelley and D.J. Gray. 2007. Genetic transformation of embryogenic cultures and recovery of transgenic plants in *Vitis vinifera*, *V. rotundifolia* and *Vitis* hybrids. *Acta Hort.*, 738: 743-748.

10. Dhekney, S.A., R.E. Litz, D. Moraga-Amador and A.K. Yadav. 2007. Is it possible to induce cold tolerance in papaya through genetic transformation? *Acta Hort.*, 738: 159-164.

9. Dutt M., Z.T. Li, S.A. Dhekney and D.J. Gray. 2007. *Agrobacterium*-mediated transformation of shoot apical meristems of *Vitis vinifera* 'Thompson Seedless'. *Plant Cell Reports*, 26: 2101-2110.

8. Li, Z.T., S.A. Dhekney, M. Van Aman, M. Dutt, J. Tattersall, K.T. Kelley and D.J. Gray. 2007. Isolation and characterization of the 2S albumin gene and promoter from grapevine. *Acta Hort.*, 738: 759-765.

7. Dutt, M., Z.T. Li, K.T. Kelley, S.A. Dhekney, M.M. Van Aman, J. Tattersall and D.J. Gray. 2007. Rootstock protein transmission in grapevines. *Acta Hort.*, 738: 749-754.

2006 – 1999

6. Li, Z.T., S.A. Dhekney, M. Dutt, M. Van Aman, J. Tattersall, K.T. Kelley and D.J. Gray. 2006. Optimizing *Agrobacterium*-mediated transformation of grapevine. *In Vitro Cellular and Developmental Biology: Plant*, 42:220-227.

5. Jayasankar, S., M. Van Aman, J. Cordts, S.A. Dhekney, Z.T. Li and D.J. Gray. 2005. Low temperature storage of suspension culture-derived grapevine somatic embryos and regeneration of plants. *In Vitro Cellular and Developmental Biology: Plant*, 41: 752-756.

4. Matsumoto, K., S.H.T. Raharjo, S.A. Dhekney, P.A. Moon and R.E. Litz. 2004. Cryopreservation and somatic embryogenesis of *Dimocarpus longan* calli. *Pesq. Agropec. Bras*, 39:1261-1263.

3. Dhekney, S.A., A.D. Ashok and P. Rengasamy. 2000. Action of various growth regulators and floral preservatives on vase life of cut rose Cv. First Red grown under controlled conditions. *South Indian Horticulture*, 48: 69-71.

2. Dhekney, S. A., A.D. Ashok and P. Rengasamy. 1999. Effect of some growth regulating chemicals on growth and flowering of rose Cv. First Red under greenhouse conditions. *Journal of Ornamental Horticulture*, 3: 51-53.

1. Ashok, A.D., S.A. Dhekney and P. Rengasamy. 1999. Response of graded levels and sources of N fertigation on water relations of cut rose Cv. First Red under greenhouse conditions. *Journal of Ornamental Horticulture*, 3: 54-56.

Book Chapters

5. Dhekney, S.A., Z.T. Li, M. Dutt and D.J. Gray. 2012. Initiation and transformation of grapevine embryogenic cultures. In *Transgenic Plants, Methods and Protocols*, 847:215-225.

4. Dutt, M., Z.T. Li., S.A. Dhekney and D.J. Gray. 2012. Co-transformation of grapevine somatic embryos to produce transgenic plants free of marker genes. In *Transgenic Plants, Methods and Protocols*, 847:201-213.

3. Dhekney, S.A., Z.T. Li and D.J. Gray. 2011. *Agrobacterium*-mediated transformation and regeneration of transgenic tobacco plants. Chapter 36, In: Robert Trigiano and Dennis Gray (eds). *Plant Cell Culture, Development and Biotechnology*. 3rd Edition, Taylor and Francis, Boca Raton, FL, USA, pp 467-472.

2. Li Z.T., Dhekney, S.A. and D.J. Gray. 2011. Genetic engineering technologies. Chapter 33, In: Robert Trigiano and Dennis Gray (eds). *Plant Cell Culture, Development and Biotechnology*. 3rd Edition, Taylor and Francis, Boca Raton, FL, USA, pp 423-434.

1. Gray, D.J., S.A. Dhekney and Z.T. Li. 2011. Grapevine genetic engineering and crop improvement. In Scorza, R. and Mou, B. (eds). *Transgenic Horticultural Crops: Challenges and Opportunities - Essays by Experts*, CRC Press, Taylor and Francis, Boca Raton, FL., pp. 317-331.

Extension Publications

13. Dhekney, S.A., Kandel, R., and Garcia y Garcia, A. 2014. University of Wyoming Grape growers partnership may help improve sustainable grape production in Wyoming. University of Wyoming, Field Days Bulletin, 125.

12. Dhekney, S.A., Kandel, R., Vardiman, J., Smith. D. 2014. Evaluating table and wine grape cultivars in high tunnels for yield and quality improvement. University of Wyoming, Field Days Bulletin, 102.

11. Dhekney, S.A., Garcia y Garcia, A., Kandel, R., Vardiman, J., Smith. D. 2014. Screening grapevine cultivars for adaptability to soil and climatic conditions in Wyoming. University of Wyoming, Field Days Bulletin, 104.

10. Dhekney, S.A. 2014. Physiological and molecular assessment of grapevine response to abiotic stress under greenhouse conditions. University of Wyoming, Field Days Bulletin, 107.

9. Dhekney S., J. Vardiman and D. Smith. 2013. Evaluating table and wine grape cultivars in high tunnels for yield and quality improvement. UW, AES Field Days Bulletin, 107-108.

8. Dhekney S., J. Vardiman, R. Kandel and D. Smith. 2013. Evaluating winter injury damage to grapevines in Wyoming vineyards. UW, AES Field Days Bulletin, 109-110

7. Dhekney S., J. Vardiman, R. Kandel, B. Brock, L Fisher and D. Bergey. 2013. Genetic engineering of grapevine cultivars and rootstocks for drought and salinity tolerance. UW, AES Field Days Bulletin, 111-112.

6. Dhekney S., J. Vardiman, R. Kandel, B. Brock, L Fisher and D. Bergey. 2013. Optimizing tissue culture protocols for cold-hardy grape cultivars and rootstocks. UW, AES Field Days Bulletin, 113-114.

5. Dhekney S., J. Vardiman, R. Kandel, B. Brock, L Fisher and D. Bergey. 2013. Optimizing Somatic embryogenesis in cold-hardy seedless grape cultivars. UW, AES Field Days Bulletin, 115-116.

4. Dhekney S., J. Vardiman, R. Kandel, B. Brock, L Fisher and D. Bergey. 2013. Production of Disease-free grapevines using plant tissue culture technology. UW, AES Field Days Bulletin, 117-118.

3. Dhekney S., J. Vardiman, R. Kandel and D. Smith. 2013. Screening grapevine cCultivars for adaptability to soil and climatic factors in Wyoming. UW, AES Field Days Bulletin, 119-120.

2. Dhekney, S.A. Grow grapes in Wyoming. Why not? 2013. *Barnyards and Backyards*, 1: 5-7.

1. Dhekney, S.A. 2012. Evaluating table and wine grape cultivars for Wyoming. UW, AES Field Days Bulletin, 99-100.

Invited Speaker/Oral and Poster Presentations

42. Fisher, L., B.B. Brock, J. Vardiman, D. Bergey and S.A. Dhekney. 2013. Optimizing embryogenic culture induction of cold-hardy grapevine cultivars. University of Wyoming, Undergraduate Research Day Bulletin, 45.
41. Brock, B.B., L. Fisher, J. Vardiman, D. Bergey and S.A. Dhekney. 2013. Optimizing micropropagation of cold-hardy grapevine cultivars. University of Wyoming, Undergraduate Research Day Bulletin, 19.
40. Dhekney, S.A., G.V. Sittler, A.K. Yadav, Z.T. Li and D.J. Gray. 2011. Applications of genetic engineering in *Vitis* improvement. 2nd meeting of the American council of medicinally active plants, Huntsville, AL, July, 17-20.
39. Dhekney, S.A., Z.T. Li and D.J. Gray. 2010 Genetically engineered grapevines expressing a cisgenic *Vitis vinifera* thaumatin-like protein exhibit fungal resistance and improved post-harvest characteristics. 12th World congress of the International Association for Plant Biotechnology, St. Louis, June 6-11.
38. Dhekney, S.A., Z.T. Li, T.W. Zimmerman and D.J. Gray. 2009. Using endogenous genes for producing disease resistant transgenic grapevines. Annual meeting of the Society for In Vitro Biology, Charleston SC, June 6th- 10th.
37. Dhekney, S.A. 2009. Recent advances in *Vitis* functional genomics to develop disease resistant transgenic grapevines. Annual seminar series, Fort Valley State University, Fort Valley, GA, May 22.
36. Dhekney, S.A., Z.T. Li, T.W. Zimmerman and D.J. Gray. 2008. Overcoming obstacles to genetic transformation in *Vitis*. World Congress on In Vitro Biology, Tucson, AZ, June 14-18.
35. Dhekney, S.A., Z.T. Li, T.W. Zimmerman and D.J. Gray. 2008. Transgenic rootstocks for Pierce's disease resistance. Annual conference of the American Society of Horticultural Sciences, Orlando, FL July 21-24.
34. Dhekney, S.A., Z.T. Li, T.W. Zimmerman and D.J. Gray. 2007. Greenhouse screening and field testing of transgenic grapevines for fungal resistance. Interactive session. Annual meeting of the Society for In Vitro Biology, Indianapolis, IN, June 9-13.
33. Dhekney S.A. 2005. Invited Chair at the "Genomics and Molecular Breeding" session, International Symposium on Biotechnology of Temperate Fruit Crops and Tropical Species, Daytona Beach October 10-15.
32. Dhekney, S.A., Z.T. Li and D.J. Gray. 2005. Genetic transformation and transgenic plant recovery from species of grape. Annual meeting of the Society for In Vitro Biology, Baltimore MD June 3-6.
31. Kandel, R., Dutt, M., Grosser, J.W., Gray, D.J., Li, Z.T., Bergey, D.R. and Dhekney, S.A. 2014. Evaluation of a *Vitis*-derived reporter gene system for precision breeding of cold-hardy grapevine cultivars. P-2002. In Vitro Cellular and Developmental Biology, - Animal DOI 10.1007/s11626-014-9770-1.
30. Kandel, R., Hallwachs, B., Pham, T., Dutt, M., Gray, D.J., Li, Z.T., Sittler, V., Bergey, D. and Dhekney, S.A. 2014. Optimizing gene insertion and plant regeneration parameters for precision breeding of cold-hardy grapevine cultivars. P-2039. In Vitro Cellular and Developmental Biology, - Animal DOI 10.1007/s11626-014-9770-1.

29. Tyree, B.K., Kandel, R., Trehwella, C., Dhekney, S.A., and Bergey, D.R. 2014. Calmodulin in the nucleus: Novel alternative splicing of a calmodulin gene variant in tomato generates a nuclear targeted isoform. University of Wyoming, Undergraduate Research Day Symposium, 215.
28. Gray, D.J., Li, Z.T., Jasinski, J.R., Dutt, M., and Dhekney, S.A. 2014. Precision breeding of grapevine: A biologically sound method for genetic improvement. P-7. In Vitro Cellular and Developmental Biology, - Animal DOI 10.1007/s11626-014-9772-z.
27. Gray, D.J., Li, Z.T., Jasinski, J.R., Grant, T., Dutt, M., and Dhekney, S.A. 2014. The application of precision breeding for crop improvement is fully consistent with the plant lifecycle: The utility of PB for grapevine. HortScience, 49: 118.
26. Gray, D.J., Li, Z.T., K.H. Kim, J.R. Janiski, M. Dutt and S.A. Dhekney. Genetic improvement of grapevine through development of cisgenic varieties. International Horticultural Congress, Brisbane, Australia 2014.
25. Gray, D.J., Dean, D., Li, Z.T., Grant, T.N.L., Dhekney, S.A., and Trigiano, R.N. The advent of precision breeding: An advanced method of plant genetic improvement and its utility for *Vitis*. Submitted to the XXIII International plant and animal genome conference, January 10-15, 2015.
24. Enitan, O., Tabatabai, B., Weaver, I., Akinrimisi, K.S., Dhekney, S.A., Arumanayagam, A and Sitther, V. 2014. Optimizing plant regeneration and genetic transformation in *Camelina sativa*, an oilseed biofuel crop. P-12. 31st Mid-Atlantic plant molecular biology society conference, Aug 21-22, Beltsville, MD.
23. Dhekney, S.A., V.G. Sitther, M.W. Hotchkiss and A. K. Yadav. 2011. Optimizing shoot proliferation and plant regeneration of *Punica granatum*. Abstract-7210. Annual Meeting of the American Society of Horticultural Sciences, Waikaloa Village, HI, Sept 25-28.
22. Dhekney, S.A., Z.T. Li, M. Van Aman, M. Dutt, J. Tattersall, K.T. Kelley and D.J. Gray. 2006. Disease resistant transgenic grapevine constitutively expresses *Vitis vinifera* thaumatin-like protein. P-3021. Annual Meeting of the Society for In Vitro Biology, Minneapolis-St. Paul, MN, June 3-7.
21. Dhekney, S.A., Z.T. Li, M. Van Aman, M. Dutt, J. Tattersall, K.T. Kelley and D.J. Gray. 2005. Genetic transformation of embryogenic cultures and recovery of transgenic plants in *Vitis vinifera*, *V. rotundifolia* and *Vitis* Hybrids. P-26. International Symposium of Horticultural Sciences, Daytona Beach Fl, October 10-15.
20. Dhekney, S.A., R.E. Litz, and A.K. Yadav. 2004. Somatic embryo development and plantlet recovery in cryopreserved embryogenic cultures of papaya (*Carica papaya* L.). P-1206. World Congress on In Vitro Biology, San Francisco, CA, May 21-25.
19. Dhekney, S.A., R.E. Litz, N. Joshee and A.K. Yadav. 2003. Cryopreservation studies in *Carica papaya*- Effect of some cryoprotectants on regrowth and somatic embryogenesis in Sunrise Solo papaya. 54-A. Annual Meeting of the Society for In Vitro Biology, Portland, OR, June 2-6.
18. Gray, D.J., Z.T. Li and S.A. Dhekney. 2012. Progress in the development of intragenic grapevine. World Congress on In Vitro Biology, Bellevue, WA, June 3-7.

17. Sitther, V., S.A. Dhekney, S. Pramanik, F.T.P. Zee and A.K. Yadav. 2012. Assessment of genetic diversity in *Psidium guajava* using simple sequence repeat markers. Annual Meeting of the American Society of Horticultural Sciences, Miami beach, FL July 31-Aug 3.
16. Gray, D.J., Z.T. Li and S.A. Dhekney 2010. Cisgenesis in grapes. Advantages and Current Progress in Producing Cisgenic Plants. Ws 16.3, 28th International Horticultural Congress, Lisbon, Portugal, Aug 22-27.
15. Sitther, G.V., B. Rawls, D. Zhang, S. A. Dhekney, F. T. Zee and A. K. Yadav. 2011. Cultivar identification and characterization of genetic diversity in *Psidium guajava* using simple sequence repeat markers. 2nd meeting of the American council of medicinally active plants, Huntsville, AL, July, 17-20.
14. Li, Z. T., S. A. Dhekney, and D. J. Gray. 2010. Molecular characterization of the PR-1 gene family and discovery of a novel expanded sub-family in grapevine. P-106, 12th World congress of the International Association for Plant Biotechnology, St. Louis, June 6-11.
13. Li, Z. T., S. A. Dhekney, and D. J. Gray. 2010. Utilization of the anthocyanin biosynthesis regulator gene *Vvmyb1* of grapevine as a versatile and dynamic reporter marker for plant transformation and gene expression studies. P-107, 12th World congress of the International Association for Plant Biotechnology, St. Louis, June 6-11.
12. Gray, D.J., Z.T. Li, S.A. Dhekney and T.W. Zimmerman. 2009. Green genetic engineering technology. Rearrangement of endogenous functional genetic elements to create improved grapevines. P Annual meeting of the Society for In Vitro Biology, Charleston SC, June 6-10.
11. Li, Z. T., S. A. Dhekney, and D. J. Gray. 2008. Probing the *Vitis* genome. Annual meeting of the American Society of Horticultural Sciences, Orlando, FL July 21-24.
18. Gray, D.J., Z.T. Li, S.A. Dhekney, D.L. Hopkins and T.W. Zimmerman. 2008. Field tests of transgenic grapevines for disease resistance. World Congress on In Vitro Biology, Tucson, AZ, June 14-18.
10. Gray, D.J., Z.T. Li, S.A. Dhekney, D.L. Hopkins and T.W. Zimmerman. 2008. Tracking pollen-mediated gene flow in transgenic grapevine. Annual meeting of the American Society of Horticultural Sciences, Orlando, FL July 21-24.
9. Gray, D.J., Z.T. Li, S.A. Dhekney, M. Dutt, D.L. Hopkins and T.W. Zimmerman. 2007. Field testing of transgenic grapevines for bacterial and fungal disease resistance. A- 3143. Annual meeting of the American Society for Horticultural Sciences, Scottsdale AZ, July, 16-19.
8. Gray, D. J., Z.T. Li, S. A. Dhekney, M. Dutt, M. Van Aman, J. Tattersall and K. T. Kelley. 2006. Screening disease resistant transgenic grapevines for field tests. 20A. Annual Meeting of the Society for In Vitro Biology, Minneapolis-St. Paul, MN, June 3-7.
7. Dutt, M., D. J. Gray, Z. T. Li, S.A. Dhekney and M. Van Aman. 2006. Micropropagation cultures for genetic transformation of grapevine. HortScience, 41:972 A.
6. Dutt, M., Z. T. Li, S.A. Dhekney and D. J. Gray. 2006. Characterization of a composite promoter from genomic sequences of grapevine. HortScience, 41:1053 A.

5. Li, Z.T., S.A. Dhekney, M. Van Aman, M. Dutt, J. Tattersall, K.T. Kelley and D.J. Gray. 2005. Isolation and characterization of the 2S albumin gene and promoter from grapevine. P-86. International Symposium of Horticultural Sciences, Daytona Beach FL, October 10-15.
4. Gray, D.J., Z.T. Li, M. Dutt, S.A. Dhekney, M.M. Van Aman, J. Tattersall and K.T. Kelley. 2005. Screening transgenic grapevines for Pierce's disease resistance. P-65. International Symposium of Horticultural Sciences, Daytona Beach FL, October 10-15.
3. Dutt, M., Z.T. Li, K.T. Kelley, S.A. Dhekney, M.M. Van Aman, J. Tattersall and D.J. Gray. 2005. Rootstock protein transmission in grapevines. P-50. International Symposium of Horticultural Sciences, Daytona Beach FL, October 10-15.
2. Gray, D.J., Z.T. Li, D.L. Hopkins, M. Dutt, S.A. Dhekney, M.M. Van Aman, J. Tattersall and K.T. Kelley. 2005. Transgenic grapevines resistant to Pierce's disease. HortScience, 40:1104.
1. Raharjo, S.H.T., S.A. Dhekney and R.E. Litz. 2004. Plant recovery from cryopreserved embryogenic cultures of 'Kohala' longan. P-1159. World Congress on In Vitro Biology, San Francisco, CA, May 21-25.

OTHER SCIENTIFIC & PROFESSIONAL ACTIVITIES

Associate Editor – Journal of Plant Physiology and Pathology (since Jan 2012)

Reviewer:

1. Critical Reviews in Plant Sciences
2. In Vitro Cellular and Developmental Biology
3. Functional Plant Biology
4. Plant Cell Reports
5. Plant Disease
6. Plant Cell Tissue and Organ Culture
7. Proceedings of the Florida State Horticultural Society
8. American Journal of Enology and Viticulture
9. Tree Physiology
10. Plant Physiology and Biochemistry
11. AOB Plants
12. HortScience
13. Biocatalysis and Agricultural Biotechnology
14. Canadian Journal of Plant Sciences

MEMBERSHIP IN SCIENTIFIC SOCIETIES

1. American Society for Horticultural Science
2. Society for In Vitro Biology

HONORS AND AWARDS

Society for In Vitro Biology, Young Scientist Award

June 2013

First Prize at the Oral Competition of the 2nd American Council of Medicinally Active Plants Conference,
Huntsville, AL July 17-20, 2011

Graduate Research Assistantship, August 2000 - 2004
Horticultural Sciences Department, University of Florida

Student Travel Award for the Society for In Vitro Biology annual conference June 2003

William H. Krome Memorial Fellowship for tropical fruit biotechnology research April 2003

Warren Wood Sr. Memorial Fellowship for tropical fruit biotechnology research April 2002
Miami-Dade Agri Council

