

## CURRICULUM VITAE

**Tim D. Davis**



### ***Business address:***

Borlaug Institute for International Agriculture  
578 John Kimbrough Blvd., 2<sup>nd</sup> Floor  
Texas A&M University  
College Station, TX 77843  
e-mail: [t-davis5@tamu.edu](mailto:t-davis5@tamu.edu)  
Phone (979)-845-4164

Department of Horticultural Sciences  
202 HFSB  
Texas A&M University  
College Station, TX 77843-2133  
Phone (979)-845-5341

### ***Biographical Data:***

Born: Sonoma, California, 1-27-56  
Marital status: Married  
Children: 3

### ***Education:***

PhD (Horticulture): Oregon State University, Corvallis, 1983.  
MS (Horticulture): Oregon State University, Corvallis, 1980.  
BS (Horticulture): Brigham Young University, Provo, 1978; Magna Cum Laude.  
Graduated from Sonoma Valley High School, Sonoma, California, 1974.

### ***Employment Experience:***

Senior Scientist & Regional Director for Asia, Borlaug Institute for International Agriculture, and Professor, Department of Horticultural Sciences, Texas A&M University, College Station, Texas (2011-present)

Professor and Head, Department of Horticultural Sciences, Texas A&M University, College Station, Texas (2003-2011)

Resident Director, Texas A&M University Research and Extension Center, Dallas, Texas (1996-2005). (100% administrative appointment)

Professor of Environmental Horticulture, Texas A&M University Research and Extension Center, Dallas, Texas (1995-2005).

Interim Associate Resident Director, Texas A&M University Research and Extension Center, Dallas, Texas (September 1995-April 1996).

Associate Professor of Environmental Horticulture-Research Horticulturist, Texas A&M University Research and Extension Center, Dallas, Texas (1989-1995). Project leader for ornamentals & floriculture/plant physiology research, 100% research.

Associate Professor of Horticulture, Department of Agronomy and Horticulture, Brigham Young University, Provo, Utah (1987-1989; continuing status granted 1987). Responsibilities included conducting research and teaching courses related to ornamental horticulture and crop physiology. Approximate split: 50% research, 50% teaching.

Assistant Professor of Horticulture, Department of Agronomy and Horticulture, Brigham Young University, Provo, Utah (1982-1987).

Graduate Research Assistant (0.5 FTE) at the USDA Ornamental Plants Research Laboratory, 3420 SW Orchard Ave., Corvallis, Oregon (1978-1982). Conducted research on the environmental and physiological factors affecting adventitious root formation in cuttings.

Teaching Assistant, Department of Horticulture, Oregon State University, Corvallis (1981). Assisted teaching courses in nursery production and plant propagation.

Landscape Planning and Maintenance, Sebastiani Vineyards, Sonoma, California (Summer 1977). Responsibilities included planning and maintenance of landscape around tourist and physical plant areas.

***Professional Societies:***

American Society for Horticultural Science  
American Society for Horticultural Science - Southern Region  
International Society of Horticultural Science

***Leadership Experience:***

Secretary-Treasurer, American Society for Horticultural Science - Western Region, 1986 to 1989.

Editorial Board Member, Bulletin Plant Growth Regulator Society of America, 1987 to 1988.

Member, Executive Committee and Council - Pacific Division, American Association for the Advancement of Science, 1987 to 1990.

Editorial Review Board Member, Tree Physiology, 1989.

President-Elect, American Society for Horticultural Science - Western Region, 1989 to 1990.

President, American Society for Horticultural Science - Western Region, 1990 to 1991.

Member, American Society for Horticultural Science Resource Council, 1990 to 1991.

Chairperson, Organizing Committee, First International Symposium on the Biology of Adventitious Root Formation, held April 19-22, 1993, Dallas, Texas.

Associate Editor, HortScience, 1992.

Associate Editor, Journal of the American Society for Horticultural Science, 1992-5.

Secretary, Plant Growth Regulator Society of America, 1992-1993.

Member, International Scientific Advisory Board, Second International Symposium on the Biology of Root Formation, held June 1996 in Jerusalem, Israel

Organizer and Moderator, special symposium on "Roots and Plant Growth Regulation," held at the annual meeting of the Plant Growth Regulator Society of America, Portland, Oregon, August 5, 1994.

Vice President, Plant Growth Regulator Society of America, 1994-1995.

Program Chair, 23rd Annual Meeting of the Plant Growth Regulator Society of America, Calgary, Alberta, Canada, July 14-18, 1996.

Organizer, Special Symposium on "Commercial Uses of Plant Growth Regulators" to be held at the annual meeting of the Plant Growth Regulator Society of America, Calgary, Alberta, Canada, July 1996.

President, Plant Growth Regulation Society of America, 1996-97.

Completed "Management Skills Development Program" at the Center for Executive Development, Graduate School of Business, Texas A&M University, November 1996.

Member, Garden and Grounds Committee, Dallas Arboretum and Botanical Society, 1996-1998.

Co-Chair, El Paso Center Resident Director Search Committee, 1999.

Chair, Garden and Grounds Committee, Dallas Arboretum and Botanical Society, 1999-2004.

Member, Board of Directors and Executive Committee of Board of Directors, Dallas Arboretum and Botanical Society, 1999-2004.

Member, International Advisory Board, Third International Symposium on the Biology of Root Formation, held June 2000 in Amsterdam, The Netherlands.

Advisory Member, Board of Directors, Crapemyrtle Trails of McKinney, 1998-2003.

Vice Chair, Texas A&M University Institute for Plant Genomics and Biotechnology Advisory Board, 1999-2001

Member, National Steering Committee, National Seminar on Plant Physiology at Interface of Agri-Horticulture and Industry, held December 1999 in Udaipur, India

Member, Urban Agriculture Task Force, Council for Agricultural Science and Technology (CAST), 2000-2001.

Chair, Organizing Committee, symposium Urban Agriculture: Emerging Opportunities in Science, Education, and Policy, held in Dallas, Texas, May 20-22, 2002.

Chair, Council of Resident Directors, Texas Agricultural Experiment Station, Texas A&M University System, 2002

Chair, ASHS Administrators Working Group, 2001-2002

Member, Advisory Council, Sci-Tech Discovery Ctr., Junior League of Plano, 2002-2005

Chair, Texas Agricultural Experiment Station Urban Research Advisory Committee, 2002-2004

Member, Texas Agricultural Experiment Station Faculty Fellows Selection Committee, 2003-2004

Member, Texas A&M University Qatar Research Advisory Committee, 2004

Chair, Southern Region Horticulture Administrators, 2004-2005

Chair, Weslaco Center Director Search Committee, 2005

Member, Editorial Board, International Journal of Applied Agricultural Research, 2005-present

Chair, Department Head Council, College of Agriculture & Life Sciences, Texas A&M, 2005-2006

Chair, Phi Kappa Phi Outstanding Junior Selection Committee, College of Agriculture and Life Sciences, Texas A&M University, 2007

Scientific Committee, ISHS Quality Management in Supply Chain of Ornamentals Symposium, held December 2007 in Bangkok, Thailand

Participated in Executive Coaching Program, Center for Creative Leadership (including 360 By Design analysis), 2007-2008

Member, Executive Committee, Southern Region, American Society for Horticultural Sciences, 2011-present

Section Chair, Alternate and Horticultural Crops, Texas Plant Protection Association 2009 Annual Meeting, Bryan, Texas

Reviewer, Texas A&M Association of Former Students, College-level Teaching Awards, 2009

Member, Review Panel, Texas A&M Regents Professor Award Committee, 2009

Member, Scientific Committee, International Conference on Quality Management in Supply Chains of Ornamentals, held in Thailand, December 2011

Chair, External Department Review Committee, Department of Environmental Horticulture, University of Florida, October 2010

Member Imperative 9 & 12 Study Team, Vision 2020, Texas A&M University, 2011

Member, Feed the Future Committee, College of Agriculture and Life Sciences, Texas A&M University, 2011

Member, Research/Institutional Partnerships Working Group, USINDO Joint Council on Higher Education, 2012

Member, Advisory Board, Buffett Conflict and Development Endowed Chair, Texas A&M University, 2012

Member, ASHS Fellow Screening Committee, 2013-present

Member, Remote Review Team, School of Agriculture, Shanghai Jiao Tong University, China, 2012

Chair, External Review Team, Department of Horticulture, Iowa State University, 2013

Chair, Department of Horticultural Sciences Promotion and Tenure Committee, 2012-present

Chair, 11<sup>th</sup> International Conference on Desert Technologies, held November 2013, San Antonio, Texas, USA

Member, Steering Committee, 3<sup>rd</sup> National Seminar USAID Tropical Plant Curriculum Project: Opportunities and Prospects of Commercialization of Indigenous Plant-Based Products, held October 2013, Denpasar, Indonesia

Member, International Advisory Committee, ICAL 2 Conference, Samarkand, Uzbekistan, 2014

Member, College of Agriculture and Life Sciences Peer Review Committee, 2015-16

Chair, College of Agriculture and Life Sciences Peer Review Committee, 2016-2017

President-Elect, Southern Region, American Society for Horticultural Science, 2016-2017

Member, Scientific Committee, International Conference on Water Management in Arid and Semi-Arid Land, Irbid, Jordan, October 2017

### ***Publications:***

#### **Theses:**

Davis, T.D. 1980. The effects of light on photosynthesis and rooting of leafy cuttings of *Pisum sativum* L. MS Thesis, Oregon State University, Corvallis.

Davis, T.D. 1983. Influence of photosynthesis and carbohydrates on adventitious root formation by leafy cuttings. PhD Dissertation, Oregon State University, Corvallis.

#### **Abstracts (\*indicates that T.D. Davis presented the paper):**

\*Davis, T.D. and J.R. Potter. 1980. Current photosynthate as a limiting factor in the rooting of leafy cuttings. *HortScience* 15(3):428.

\*Davis, T.D. and J.R. Potter. 1981. Auxin and current photosynthate supply as limiting factors in adventitious root formation on leafy pea cuttings. Abstracts of the Sixty-second Annual Meeting of the American Association for the Advancement of Science 1:28. Also published in *HortScience* 17(1):26-27. 1982.

\*Davis, T.D. and J.R. Potter. 1982. Effects of CO<sub>2</sub> enrichment during the rooting of pea cuttings. Proceedings of the Sixty-third Annual Meeting of the Pacific Division, American Association for the Advancement of Science 1:28. Also published in HortScience 17(4):579. 1982.

\*Davis, T.D. and J.R. Potter. 1982. Effects of CO<sub>2</sub> enrichment during propagation on rooting and subsequent growth of cuttings from 8 ornamental species. HortScience 17(3):481.

\*Davis, T.D. and J.R. Potter. 1982. Storing unrooted rhododendron cuttings: Effects on water potential, carbohydrate levels and root formation. HortScience 17(3):491.

\*Davis, T.D. and J.R. Potter. 1983. Adventitious root formation on leafy pea cuttings as influenced by relative humidity during the rooting period. Plant Physiol. 72:S-92.

Williams, C.F., R.H. Walser, and T.D. Davis. 1983. Utah Family Garden television show: A delivery system for home horticulture through PBS. HortScience 18(4):577.

\*Davis, T.D., and J.R. Potter. 1983. Photosynthesis, dark respiration, carbohydrates, water potential, and adventitious root formation of *Rhododendron* cuttings rooted under 3 shade levels. HortScience 18(4):572.

\*Davis, T.D., D.L. Barney, and R.H. Walser. 1984. Photosynthetic recovery of chlorotic apple trees injected with ferrous sulfate. HortScience 19(3):530.

Sorenson, E., C.F. Williams, R.H. Walser, T.D. Davis, and P. Barker. 1984. Growth response of *Acer grandidentatum* Nutt. to chilling treatments. HortScience 19(3):46.

Walser, R.H., D.L. Barney, and T.D. Davis. 1984. Effectiveness of pressure injections of different iron compounds in overcoming iron chlorosis in apple trees. HortScience 19(3):530.

Stevens, M.R., C.F. Williams, R.H. Walser, T.D. Davis, V.D. Jolley, and S.D. Nelson. 1984. Land, labor, and production efficiency of vegetables in variable-sized garden areas. HortScience 19(3):559.

Brown, J.C., A.D. Blaylock, V.D. Jolley, T.D. Davis, and R.H. Walser. 1984. Iron-stress response mechanism in tomatoes and soybeans treated with cobalt. Agronomy Abstracts, p. 200.

\*Davis, T.D., A.D. Blaylock, V.D. Jolley, R.H. Walser, and J.C. Brown. 1984. Chlorophyll and photosynthesis in tomatoes and soybeans treated with Fe and Co. Agronomy Abstracts, p. 202.

Blaylock, A.D., V.D. Jolley, T.D. Davis, R.H. Walser, and J.C. Brown. 1984. Iron-cobalt interactions in soybeans and tomatoes in response to various iron levels. Agronomy Abstracts, p. 199.

Sankhla, D., T.D. Davis, N. Sankhla, A. Upadhyaya, and B.N. Smith. 1985. Effect of 2-(3,4-dichlorophenoxy)-triethylamine on betacyanin efflux from beet root tissue. *Plant Physiol.* 77:S-89.

Allen, P.S., T.D. Davis, and R.H. Walser. 1985. Influence of irrigation regime and soil type on the emergence of dry and pre-germinated seed of blanketflower. *Proceedings of the Pacific Division, American Association for the Advancement of Science* 4(1):19. Also published in *HortScience* 20:861.

\*Davis, T.D., N. Sankhla, W.R. Andersen, D.J. Weber, and B.N. Smith. 1985. High rates of net photosynthesis in white rubber rabbitbrush. *Proceedings of the Pacific Division, American Association for the Advancement of Science* 4(1):25-26. Also published in *HortScience* 20:862.

\*Davis, T.D., R.H. Walser, and N. Sankhla. 1985. Growth and net photosynthesis of poinsettias as affected by plant growth regulators. *Proceedings of Pacific Division, American Association for the Advancement of Science* 4(1):26. Also published in *HortScience* 20:862.

Davis, T.D., R.H. Walser, N. Sankhla, and A. Upadhyaya. 1985. Paclobutrazol and adventitious root formation on cuttings. *Proceedings of the Pacific Division, American Association for the Advancement of Science* 4(1):26. Also published in *HortScience* 20:862.

Hurley, A.K., R.H. Walser, and T.D. Davis. 1985. Long-term recovery of net photosynthesis and chlorophyll in chlorotic apple trees injected with ferrous sulfate. *Proceedings of the Pacific Division, American Association for the Advancement of Science* 4(1):32. Also published in *HortScience* 20:861.

Jolley, V.D., J.C. Brown, T.D. Davis, and R.H. Walser. 1985. Increased Fe-efficiency in soybeans through plant breeding related to increased response to Fe-deficiency stress. I. Iron stress response. *Abstracts of the Third International Symposium on Iron Nutrition and Interactions in Plants*, p.35.

\*Davis, T.D., V.D. Jolley, R.H. Walser, J.C. Brown, and A. D. Blaylock. 1985. Net photosynthesis of Fe-efficient and Fe-inefficient soybean cultivars grown under varying iron levels. *Abstracts of the Third International Symposium on Iron Nutrition and Interactions in Plants*, p. 54.

Hurley, A.K., R.H. Walser, and T.D. Davis. 1985. Net photosynthesis and chlorophyll content in silver maple after trunk injection of ferrous sulfate. *Abstracts of the Third International Symposium on Iron Nutrition and Interactions in Plants*, p. 55.

\*Sankhla, N., T.D. Davis, V.D. Jolley, and A. Upadhyaya. 1985. Effect of paclobutrazol on the development of iron chlorosis in soybeans. *Abstracts of the Third International Symposium on Iron Nutrition and Interactions in Plants*, p. 85.



Jolley, V.D., T.D. Davis, R.H. Walser, and A.D. Blaylock. 1985. Photosynthesis, chlorophyll, and nutrient interactions in regreening chlorotic tomatoes and soybeans. Abstracts of the Third International Symposium on Iron Nutrition and Interactions in Plants, p. 87.

Davis, T.D., R.H. Walser, and N. Sankhla. 1985. Some physiological effects of mechanically harvesting tart cherry trees. *HortScience* 20:606.

Upadhyaya, A., T.D. Davis, and N. Sankhla. 1985. Biochemical changes associated with paclobutrazol-induced adventitious root formation on hypocotyl cuttings of *Phaseolus vulgaris* L. *HortScience* 20:609.

Sankhla, N., A. Upadhyaya, D. Sankhla, and T.D. Davis. 1985. Modulation of some salt-induced metabolic alterations by polymamines. Abstracts of the 12th International Conference on Plant Growth Substances, p. 128.

Upadhyaya, A., D. Sankhla, T.D. Davis, and N. Sankhla. 1985. Influence of methyl jasmonate on growth and enzyme activities in a C-3 and a C-4 plant. Abstracts of the 12th International Conference on Plant Growth Substances, p. 44.

Davis, T.D. 1986. Diurnal and seasonal changes in net photosynthesis of *Chrysothamnus nauseosus* ssp. *albicaulis* grown under irrigated field conditions. *Plant Physiol.* 80:S-132.

\*Pulley, G.E. and T.D. Davis. 1986. Effect of paclobutrazol on growth and interior performance of several foliage plant species. *HortScience* 21:702.

\*Davis, T.D., R.H. Walser, and N. Sankhla. 1986. Interactions between paclobutrazol, gibberellic acid, and indolebutyric acid in adventitious root formation on bean hypocotyl cuttings. *HortScience* 21:774.

Davis, T.D. and N. Sankhla. 1987. Photosynthesis and growth of *Glycine max* as influenced by flurprimidol. *Plant Physiol.* 83:S-148.

\*Davis, T.D. and R.H. Walser. 1987. Growth and interior performance of poinsettias and chrysanthemums as influenced by triazole growth regulators. Proceedings of Pacific Division, American Association for the Advancement of Science 6(1):24. Also published in *HortScience* 23:27.

Barnes, A.M., R.H. Walser, T.D. Davis, W.M. Hess. 1987. Some anatomical and ultrastructural changes in triazole growth regulator treated plants. Proceedings of Pacific Division, American Association for the Advancement of Science 6(1):20. Also published in *HortScience* 23:27.

Walser, R.H. and T.D. Davis. 1987. Cold hardiness, rest, and flowering of paclobutrazol-treated peach and tart cherry trees. Proceedings of Pacific Division,

American Society for the Advancement of Science 6(1):40. Also published in HortScience 23:27.

Allen, P.S. and T.D. Davis. 1985. Evaluation of native Utah plants for use in arid western landscapes. Encyclia 62:234.

\*Davis, T.D., N. Sankhla, A. Upadhyaya, and D. Sankhla. 1985. Physiological and biochemical effects of paclobutrazol on *Glycine max*. Encyclia 62:235.

\*Larsen, M.H., T.D. Davis, N. Sankhla, and B.N. Smith. 1987. Solute efflux from root tissue due to destabilizing treatments as influenced by XE-1019 and GA<sub>3</sub>. Bull. Plant Growth Reg. Soc. Amer. 15(3):5.

\*Gehlot, H.S., T.D. Davis, A. Sankhla, D. Sankhla, A. Upadhyaya, and N. Sankhla. 1987. Influence of triazole growth regulators and GA<sub>3</sub> on in vitro differentiation from moth bean callus. Bull. Plant Growth Reg. Soc. Amer. 15(3):6.

\*Davis, T.D., H.S. Gehlot, C.F. Williams, N. Sankhla. 1987. Comparative shoot growth-retarding activities of paclobutrazol and XE-1019. Bull. Plant Growth Reg. Soc. Amer. 15(3):6.

\*Davis, T.D. and N. Sankhla. 1987. Altered diurnal leaf movements in soybean seedlings treated with triazole growth regulators. Bull. Plant Growth Reg. Soc. Amer. 15(3):7.

\*Gehlot, H.S., A. Upadhyaya, T.D. Davis, and N. Sankhla. 1987. Growth, metabolism, and regeneration of moth bean callus as affected by paclobutrazol. HortScience 22:1040.

\*Davis, T.D., C.F. Williams, and R.H. Walser. 1987. Gibberellic acid as an antidote for excessive dwarfing and delayed bract development in poinsettias due to over-application of a growth retardant. HortScience 22:1041.

Davis, T.D. and N. Sankhla. 1987. Altered diurnal leaf movements in soybean seedlings treated with triazole growth regulators. Proc. Plant Growth Reg. Soc. Amer. 14:166.

\*Davis, T.D., and M.H. Larsen. 1988. Amelioration of high temperature damage in root tissues by uniconazol. Physiol. Plant. 73:7A.

Walser, R.H. and T.D. Davis. 1988. Growth, yield, and endodormancy characteristics of paclobutrazol-treated peach and tart cherry trees. HortScience 23:743.

Sankhla, A., T.D. Davis, H.S. Gehlot, A. Upadhyaya, N. Sankhla, and D. Sankhla. 1988. Influence of lactidichlor-ethyl on growth, chemical composition, and regeneration of moth bean callus cultures. Plant Physiol. 86:S-152.

- Williams, C.F. and T.D. Davis. 1988. The response of turfgrass grown in the greenhouse to various growth regulators. Abstracts of the 13th International Conf. on Plant Growth Substances, Abstract No. 68.
- Sankhla, N., D. Sankhla, A. Upadhyaya, and T.D. Davis. 1988. Effect of paclobutrazol on growth and fruit quality of Ber. Abstracts of 13th International Conf. on Plant Growth Substances, Abstract No. 70.
- Upadhyaya, A., T.D. Davis, and M.H. Larsen. 1988. Some metabolic changes correlated with uniconazol-induced thermotolerance in soybean roots. Abstracts of 13th International Conf. on Plant Growth Substances, Abstract No. 71.
- Sankhla, D., N. Sankhla, A. Upadhyaya, and T.D. Davis. 1988. Effect of tetcyclacis on leaf senescence of pearl millet. Abstracts of 13th International Conf. on Plant Growth Substances, Abstract No. 72.
- Upadhyaya, A., H.S. Gehlot, T.D. Davis, A. Sankhla, D. Sankhla, and N. Sankhla. 1988. In vitro growth, metabolism, and regeneration of moth bean callus as influenced by flurprimidol. Abstracts of 13th International Conf. on Plant Growth Substances, Abstract No. 432.
- Galbraith, A., R.H. Walser, and T.D. Davis. 1988. High temperature-induced solute leakage from uniconazol-treated soybean cotyledons. HortScience 23:835.
- Sankhla, N., T.D. Davis, and A. Upadhyaya. 1988. New plant growth retardants: An assessment of their promise and possibilities. Abstr. Nat. Sem. Rec. Adv. Plant Growth Reg. Res., Jodhpur, India, Abstr. No. 5.
- Upadhyaya, A., T.D. Davis, R. Walser, P. Evans, and N. Sankhla. 1988. Modulation of heat shock gene expression, ultrastructural damage and metabolic patterns by uniconazol. Abstr. Nat. Sem. Rec. Adv. Plant Growth Reg. Res., Jodhpur, India, Abstr. No. 14.
- Sankhla, D., A. Upadhyaya, T.D. Davis, N. Sankhla, and B.N. Smith. 1988. Activities of enzymes of amino acid metabolism in senescing *Glycine max* leaves as influenced by paclobutrazol. Abstr. Nat. Sem. Rec. Adv. Plant Growth Reg. Res., Jodhpur, India, Abstr. No. 19.
- Sankhla, D., T.D. Davis, A. Sankhla, A. Upadhyaya, H.S. Gehlot, and N. Sankhla. 1988. Influence of lactidichlor-ethyl on growth, chemical composition and regeneration of moth bean callus cultures. Abstr. Nat. Sem. Rec. Adv. Plant Growth Reg. Res., Jodhpur, India, Abstr. No. 121.
- Upadhyaya, A., T.D. Davis, R.H. Walser, A.B. Galbraith, and N. Sankhla. 1989. Uniconazol-induced amelioration of low temperature damage in cucumber seedlings in relation to antioxidant activity. Plant Physiol. 89:S-202.

Martin, K., R.H. Walser, and T.D. Davis. 1989. Growth and yield of various root crops as affected by uniconazol. Proc. Pac. Div. Am. Assoc. Adv. Sci. 8:29.

\*Upadhyaya, A., T.D. Davis, and R.H. Walser. 1989. Amelioration of sulfur dioxide-induced phytotoxicity in cucumber plants by uniconazol. Proc. Pac. Div. Am. Assoc. Adv. Sci. 8:37.

Walser, R.H., T.D. Davis, and A. Purcell. 1989. Carotene content of carrot and sweet potato grown under different soil moisture regimes. Proc. Pac. Div. Am. Assoc. Adv. Sci. 8:37.

\*Davis, T.D. and A.S. Andersen. 1989. Post-production growth and flowering of triazole-treated *Verbena rigida* bedding plants. Prog. Abstr. 86th Ann. Meeting Amer. Soc. Hort. Sci. pp. 73.

\*Davis, T.D., R.H. Walser, and J.E. Ells. 1989. Emergence, growth, and cold hardiness of tomato seedlings grown from uniconazol-treated seed. Prog. Abstr. 86th Ann. Meeting Amer. Soc. Hort. Sci. pp. 88.

Upadhyaya, A., T.D. Davis, M.H. Larsen, R.P. Evans, and R.H. Walser. 1989. Uniconazol-induced thermotolerance in soybean root tissue. PGRSA Quarterly 17:79. Also published in Proc. Plant Growth Reg. Soc. Amer. 16:17.

\*Davis, T.D. and A.S. Andersen. 1989. Growth and flowering of *Fuchsia x hybrida* 'LaCampanella' as influenced by triazole plant growth regulators. PGRSA Quarterly 17:51. Also published in Proc. Plant Growth Reg. Soc. Amer. 16:114.

\*Walser, R.H. and T.D. Davis. 1989. Growth, reproductive development, and dormancy characteristics of paclobutrazol-treated tart cherry trees. PGRSA Quarterly 17:95. Also published in Proc. Plant Growth Reg. Soc. Amer. 16:115.

\*Davis, T.D. 1989. Potential uses of triazole PGRs in horticulture. Proc. Plant Growth Reg. Soc. Amer. 16:144-145.

\*Davis, T.D., A. Upadhyaya, and N. Sankhla. 1990. Electrolyte leakage and antioxidant activity of tetracyclis-treated moth bean seedlings exposed to high temperature. Plant Physiol. 93:S-73.

Upadhyaya, A., T.D. Davis, and N. Sankhla. 1990. Triazole growth regulators increase hydrocyanic acid potential of sorghum seedlings. Plant Physiol. 93:S-74.

Upadhyaya, A., T.D. Davis, and N. Sankhla. 1990. Thermotolerance and antioxidant activity of moth bean seedlings as influenced by 24 epi-brassinolide. HortScience 25:1082.

- \*Davis, T.D., S.W. George, A. Upadhyaya, and J.M. Parsons. 1991. Improvement of seedling emergence of *Lupinus texensis* following seed scarification treatments. HortScience 26:707.
- \*Sankhla, N., A. Upadhyaya, T.D. Davis, and D. Sankhla. 1991. H<sub>2</sub>O<sub>2</sub>-scavenging enzymes and antioxidants in *Echinochloa frumentacea* as affected by triazoles. Plant Growth Reg. Soc. Amer. Quarterly 19:167.
- \*Sankhla, A., T.D. Davis, D. Sankhla, N. Sankhla, A. Upadhyaya, and S. Joshi. 1991. Triazole growth regulators influence somatic embryogenesis and plantlet regeneration in tissue cultures of *Echinochloa frumentacea*. Plant Growth Reg. Soc. Amer. Quarterly 19:168.
- Donahue, R.A., T.D. Davis, P.M. Marquardt, C.H. Michler, D.R. Carter, D.E. Riemenschneider, B.E. Haissig, and J.G. Isebrands. 1992. Photosynthetic and growth analysis of genetically modified hybrid poplar. Plant Physiol. 99:S-103.
- \*Davis, T.D., S.W. George, A. Upadhyaya, and J.M. Parsons. 1992. Propagation of firebush by stem cuttings. HortScience 27:640.
- \*Sankhla, N., T.D. Davis, D. Sankhla, and A. Upadhyaya. 1992. Somatic embryogenesis and plantlet regeneration from shoot explants of *Hamelia patens*. HortScience 27:693.
- \*Davis, T.D., R.H. Walser, and K.F. Martin. 1992. Growth and yield of selected root crops as influenced by foliar sprays of uniconazole. PGRSA Quart. 20:160.
- \*Sankhla, D., T.D. Davis, and N. Sankhla. 1992. In vitro shoot regeneration from hypocotyl explants of *Albizia julibrissin* as influenced by gibberellin biosynthesis inhibitors. PGRSA Quart. 20:162.
- Davies, F.T. Jr. and T.D. Davis. 1993. Commercial importance of adventitious rooting: horticulture. First Int. Symp. Biol. Adventitious Root Formation, USDA For. Serv. North Cent. Expt. Sta. Gen. Tech. Rpt. NC-154, p. 6.
- Sankhla, N., T.D. Davis, D. Sankhla, and A. Upadhyaya. 1993. Reversal of salicylic acid-induced inhibition of growth and organogenesis by thidiazuron. Plant Physiol. 102:S-180.
- \*Davis, T.D., N. Sankhla, D. Sankhla, S.W. George, and J.M. Parsons. 1993. Micropropagation of 'German Red' carnation (*Dianthus caryophyllus*) from nodal explants. HortScience 28:542.
- \*Davis, T.D., D. Sankhla, N. Sankhla, A. Upadhyaya, J.M. Parsons, and S.W. George. 1993. Improving seed germination of *Aquilegia chrysantha* by temperature manipulation. HortScience 28:542.

- \*Rodriguez, D., T.D. Davis, J.M. Parsons, and N. Sankhla. 1993. Use of growth retardants in the production of container-grown *Salvia farinacea x longispicata* 'Indigo Spires.' PGRSA Quart. 21:130.
- \*Sankhla, D., T.D. Davis, A. Upadhyaya, and N. Sankhla. 1993. Clonal multiplication of 'German Red' carnation. PGRSA Quart. 21:133.
- \*Sankhla, D. T.D. Davis, N. Sankhla, and A. Upadhyaya. 1993. In vitro production of flowering shoots in 'German Red' carnation: Effect of uniconazole and GA<sub>3</sub>. PGRSA Quart. 21:134.
- \*Sankhla, D., T.D. Davis, and N. Sankhla. 1993. Thidiazuron-induced in vitro shoot formation from roots of intact seedlings of silktree. PGRSA Quart. 21:134.
- \*Sankhla, N., T.D. Davis, S. Trivedi, and D. Sankhla. 1994. Effect of thidiazuron on the activities of oxy-stress enzymes during in vitro shoot bud formation from excised roots of silktree. Plant Physiol. 105:S-139.
- \*Sankhla, D., T.D. Davis, and N. Sankhla. 1994. Influence of thidiazuron, gibberellic acid, and abscisic acid on in vitro shoot formation from excised roots of silktree. In Vitro 30A:72.
- \*Sankhla, D., S. Trivedi, T.D. Davis, and N. Sankhla. 1994. Antioxidant levels and activities of related enzymes in carnation plantlets during thidiazuron-induced in vitro hyperhydricity. In Vitro 30A:75.
- \*Davis, T.D., W.A. Mackay, and N. Sankhla. 1994. Post-harvest characteristics of cut flower spikes of *Lupinus havardii*. HortScience 29:554.
- \*Sankhla, D., T.D. Davis, N. Sankhla. 1994. Somatic embryogenesis from immature cotyledons of Texas bluebonnet. HortScience 29:560.
- \*Davis, T.D., W.A. Mackay, and D. Sankhla. 1994. Influence of scarification and temperature treatments on seed germination of *Lupinus harvardii*. HortScience 29:558.
- \*Sankhla, D., T.D. Davis, and N. Sankhla. 1994. Somatic embryogenesis from callus of the thermotolerant 'German Red' carnation. HortScience 29:560.
- \*Sankhla, D., T.D. Davis, and N. Sankhla. 1994. In vitro regeneration of silktree from excised roots. PGRSA Quart. 22:21.
- \*Sankhla, D., N. Sankhla, and T.D. Davis. 1994. Influence of ethylene on in vitro shoot bud formation from excised roots of silktree. PGRSA Quart. 22:22.
- \*Trivedi, S., N. Sankhla, T.D. Davis, and D. Sankhla. 1994. Effect of abscisic acid and thidiazuron on activities of activated oxygen processing enzymes in excised roots of silktree. PGRSA Quart. 22:24.

- \*Davis, T.D., J. Quinters, N. Sankhla, and D. Sankhla. 1994. Flurprimidol trunk implants reduce growth of hackberry. PGRSA Quart. 22:27. Also published in Proc. Plant Growth Reg. Soc. Amer. 21: 159.
- Binzel, M.L., N. Sankhla, D. Sankhla, T.D. Davis, and S. Joshi. 1995. Effect of thidiazuron on regeneration from 'half-seed' explants of *Capsicum annuum* L. In Vitro 31: 65A.
- \*Davis, T.D., D. Sankhla, and N. Sankhla. 1995. A field study on the heat tolerance of 'German Red' carnation. HortScience 30: 439.
- Sankhla, D., T.D. Davis, N. Sankhla, and A. Upadhyaya. 1995. Long-term in vitro regeneration of *Hamelia patens*. HortScience 30: 873.
- Sankhla, D., T.D. Davis, A. Upadhyaya, and N. Sankhla. 1996. Antioxidant levels and activities of related enzymes in hyperhydric plantlets of 'German Red' carnation: Effect of triazoles and thidiazuron. Quart. Plant Growth Reg. Soc. Amer. 24: 34.
- Sankhla, D., T.D. Davis, S. Trivedi, and N. Sankhla. 1996. Effect of salicylic acid on in vitro regeneration and activities of oxygen processing enzymes in root explants of silktree. Quart. Plant Growth Reg. Soc. Amer. 24: 35.
- Mackay, W.A. and T.D. Davis. 1996. Breeding of *Lupinus havardii* as a specialty cut flower crop. HortScience 31: 694.
- Mackay, W.A. and T.D. Davis. 1997. Seed germination of four lupine species under differing osmotic condition. HortScience 32: 476.
- Sankhla, D., T.D. Davis, and N. Sankhla. 1997. In vitro studies on Big Bend bluebonnet. Quart. Plant Growth Reg. Soc. Amer. 25: 72.
- Sankhla, D., T.D. Davis, A. Upadhyaya, and N. Sankhla. 1997. Promotion of in vitro regeneration in firebush by thidiazuron and abscisic acid. Quart. Plant Growth Reg. Soc. Amer. 25: 72.
- Mackay, W.A., D. Sankhla, N. Sankhla, and T.D. Davis. 1998. Postharvest performance of cut racemes of Big Bend bluebonnet: Effect of salicylic acid. Quart. Plant Growth Reg. Soc. Amer. 26: 51.
- Sankhla, N., W.A. Mackay, D. Sankhla, and T.D. Davis. 1998. Postharvest performance of cut racemes of Big Bend bluebonnet: Influence of ethylene inhibitors. Quart. Plant Growth Reg. Soc. Amer. 26: 53.
- Vasquez, K.L., W.A. Mackay, M.M. Wall, and T.D. Davis. 1998. Effect of flower age on ethylene synthesis in Big Bend bluebonnet, *Lupinus havardii*. HortScience 33: 486.

- Mackay, W.A., D. Sankhla, T.D. Davis, and N. Sankhla. 1999. Studies on postharvest performance of cut racemes of Big Bend bluebonnet. *HortScience* 34: 503.
- Mackay, W.A., N. Sankhla, and T.D. Davis. 1999. An evaluation of ethylene sensitivity in cut inflorescences of *Lupinus* species. *PGRSA Quarterly* 27: 34.
- Sankhla, N., W.A. Mackay, and T.D. Davis. 1999. Effect of EthylBloc on postharvest performance and ethylene production of cut racemes of Big Bend bluebonnet. *PGRSA Quarterly* 27: 35.
- Davis, T.D., N. Sankhla, J. Quinters, and D. Sankhla. 1999. Long-term effects of flurprimidol trunk implants on growth of *Celtis laevigata*. *PGRSA Quarterly* 27: 36.
- Davis, T.D. and N. Sankhla. 1999. Use of gibberellin biosynthesis inhibitors for controlling woody plant growth. *PGRSA Quarterly* 27: 51.
- Sankhla, D., W.A. Mackay, T.D. Davis, and N. Sankhla. 1999. Effect of 1-methylcyclopropene on longevity and vase life of cut racemes of *Lupinus havardii* Wats. Abstr. Nat. Seminar on Plant Physiol. at Interface of Agri-Horticulture and Industry, Udaipur, India, p. 181.
- Mackay, W.A., D. Sankhla, T.D. Davis, and N. Sankhla. 1999. Studies on postharvest performance of cut racemes of Big Bend bluebonnet. Abstr. Nat. Seminar on Plant Physiol. at Interface of Agri-Horticulture and Industry, Udaipur, India, p. 181.
- Mackay, W.A., N. Sankhla, D. Sankhla, and T.D. Davis. 2000. Effect of low temperature storage and ethylene inhibitors on postharvest display life of cut racemes of Big Bend bluebonnet. *PGRSA Quarterly* 28:67.
- Sankhla, N., W.A. Mackay, D. Sankhla, and T.D. Davis. 2000. Role of abscisic acid and ethylene in abscission and senescence of *Lupinus havardii* flowers. *PGRSA Quarterly* 28:67.
- Mackay, W.A., S. George, T. Davis, M. Arnold, D. Lineberger, J. Parsons, and L. Stein. 2000. Texas Superstars: The Coordinated Educational Marketing and Assistance Program in Texas. *HortScience* 35: 565.
- Davis, T.D., W.A. Mackay, N. Sankhla, S.W. George. 2001. Development, propagation, and utilization of landscape plants for high temperature environments. Abstr. First Int. Symp. on Orn. Hortic. in the Arabian Gulf Region, p. 28 (published in both English and Arabic)
- Sankhla, N., W.A. Mackay, and T.D. Davis. 2001. Effect of thidiazuron on postharvest performance of perennial phlox cut inflorescences. *PGRSA Quarterly* 29: 52.



- Mackay, W.A., N. Sankhla, and T.D. Davis. 2001. Involvement of ethylene in ABA-induced abscission of flowers in cut racemes of Big Bend bluebonnet. *PGRSA Quarterly* 29: 45.
- McAlpine, C., D. Lineberger, J. Parsons, M. Arnold, S. George, W. Mackay, C. McKenney, T. Davis, and G. Grant. 2001. Texas Superstar.com Web-based promotion of plant trialing program. *HortScience* 36: 476.
- Sankhla, N., W.A. Mackay, and T.D. Davis. 2001. Prevention of ethylene-induced flower shattering in *Lupinus havardii* by Ethylbloc (1-methylcyclopropene). *HortScience* 36: 548-49.
- Mackay, W.A., N. Sankhla, and T.D. Davis. 2001. Effect of low temperature storage and ethylene inhibitors on cut racemes of Big Bend bluebonnet, *Lupinus havardii* Wats. *HortScience* 36: 549.
- \*Davis, T.D. and N. Sankhla. 2002. Physiological and biotechnological approaches to improving performance of horticultural and floricultural crops under sub-optimal arid environment. Abstr. Second Int. Symp. on Ornamental Horticulture in Arid Zones, pp. 19-20.
- Sankhla N. and T.D. Davis. 2002. An overview of urban horticulture in hot and arid Indian Desert and its relevance to horticulture in the United Arab Emirates. Abstr. Second Int. Symp. on Ornamental Horticulture in Arid Zones, pp. 24-25.
- Mackay, W.A., T.D. Davis, N. Sankhla, and S.W. George. 2002. Development and identification of new ornamental plants tolerant to heat, drought, and/or salinity stress. Abstr. Second Int. Symp. on Ornamental Horticulture in Arid Zones, p. 43.
- Rahman, S.M.L., N. Sankhla, W.A. Mackay, and T.D. Davis. 2002. Reduced sensitivity of cut inflorescences of advanced breeding lines of *Lupinus havardii* to ethylene. Abstr. XXVIth Int. Hortic. Congress, p. 237.
- Sankhla, N., W.A. Mackay, and T.D. Davis. 2002. Effect of nitric oxide on postharvest performance of perennial phlox cut inflorescences. Abstr. XXVIth Int. Hortic. Congress, p. 271.
- Sankhla, N., W.A. Mackay, and T.D. Davis. 2002. Reduction of flower abscission and leaf senescence in cut phlox inflorescences by thidiazuron. Abstr. XXVIth Int. Hortic. Congress, p. 271.
- Mackay, W.A., N. Sankhla, and T.D. Davis. 2002. Extension of postharvest vase life of 'John Fanick' perennial phlox cut inflorescences. *HortScience* 37: 744.
- Mackay, W.A., S.W. George, T.D. Davis, M.A. Arnold, R.D. Lineberger, J. Parsons, L. Stein, H.B. Pemberton, C.B. McKenney. 2002. Texas Superstars: Identifying and promoting superior landscape plants that have minimal environmental impact on urban

communities. In: T.D. Davis and V.A. Gibeault (eds.), Proc. Symp. Urban Agric.: Emerging Opportunities in Science, Education, and Policy, p. 193.

Reinert, J.A., W.A. Mackay, S. George, E. Smith, and T.D. Davis. 2002. Resistance among *Lantana* cultivars to the lantana lace bug, *Teleonemia scrupulosa* Stal. In: T.D. Davis and V.A. Gibeault (eds.) Proc. Symp. Urban Agric.: Emerging Opportunities in Science, Education, and Policy, p. 204.

Sankhla, N., W.A. Mackay, and T.D. Davis. 2003. Reduction of ethylene-induced flower abscission and leaf yellowing in cut inflorescences of phlox by thidiazuron and sucrose. PGRSA Quarterly 31: 107.

Sankhla, N., W.A. Mackay, and T.D. Davis. 2003. Nitric acid enhances flower abscission and senescence in cut racemes of *Lupinus havardii* Wats. PGRSA Quarterly 31: 108.

Mackay, W.A., N. Sankhla, S.M.L. Rahman, and T.D. Davis. 2003. Effect of Fascination on postharvest performance of cut racemes of Big Bend bluebonnet. PGRSA Quarterly 31: 105.

Mackay, W.A., J.M. Parsons, S.W. George, N. Sankhla, and T.D. Davis. 2004. Development of the Texas bluebonnet as a bedding plant and specialty cut flower crop. HortScience 39: 709.

Sankhla, N., W. Mackay, and T. Davis. 2004. Alleviation of nitric oxide-induced flower abscission and leaf toxicity in phlox by sucrose and 1-MCP. HortScience 39: 823.

Mackay, W., N. Sankhla, and T. Davis. 2004. Sucrose and ethylene biosynthesis perception inhibitors additively enhance postharvest display life of cut racemes of *Lupinus havardii* Wats. HortScience 39: 823.

Mackay, W.A., N. Sankhla, and T.D. Davis. 2005. Ethylene sensitivity of cut racemes of advanced breeding lines of pink-flowered bluebonnet. PGRSA Quarterly 33: 57.

Sankhla, N., W.A. Mackay, and T.D. Davis. 2005. Effect of nitric oxide generating compounds on flower senescence in cut racemes of pink-flowered *Lupinus havardii* Wats. PGRSA Quarterly 33: 58.

Arnold, M.A., T.D. Davis, and D.W. Reed. 2005. A survey of horticulture graduate programs and faculty salaries at North American universities. HortScience 40: 1137.

Sankhla, N., W.A. Mackay, and T.D. Davis. 2006. Flower abscission, flower opening, and petal color development in cut phlox flower heads: Effect of methyl jasmonate, gibberellic acid and sucrose. Abstr. 27<sup>th</sup> Int. Hortic. Congress, p. 313.

Sankhla, N., W.A. Mackay, and T.D. Davis. 2006. Postharvest performance of cut racemes of *Lupinus havardii* Wats.: Effect of sucrose and gibberellic acid. Abstr. 27<sup>th</sup> Int. Hortic. Congress, p. 313.

Zajicek, Z., S.A. Duray, R.D. Lineberger, and T.D. Davis 2009. A preliminary analysis of a novel horticulture Bachelor of Arts degree program. *HortScience* 44: 560.

Davis, T.D. and P. Hariyadi. 2011. Horticultural research and education opportunities in Indonesia. *HortScience* 46: S64.

Davis, T.D. and P. Haryadi. 2011. Linking horticultural and food sciences to help feed the future. *Proc. Nasional Seminar PATPI 2011, Manado*, p. 22.

King, J.N., J.P. Muir, and T.D. Davis. 2012. Ukulima Farm Experiment Station—Advancing African agricultural research, extension, and education. *Abstr. 2<sup>nd</sup> All Africa Horticulture Congress “Horticulture for Humanity,”* p. 183.

Arnold, M.A., R.D. Lineberger, T.D. Davis, and D.W. Reed. 2013. North American horticulture graduate program survey: Demographics, policies, finances, and metrics. *HortScience* 48: S204.

Davis, T. 2013. Commercialization opportunities of tropical plant products. *Abstracts 3<sup>rd</sup> Nat. Seminar USAID Tropical Plant Curriculum Project: Opportunities and Prospects of Indigenous Plant-Based Products*, p. 12.

Pemberton, H.B., T.D. Davis, M.A. Arnold, C. McKenney, L. Stein, D. Rodriguez, and R.D. Lineberger. 2013. Texas Superstar program: Using technology to promote the use of well-adapted plants for landscapes in high temperature regions with limited water resources. *Abstr. Desert Technology 11 Int. Conf.*, pp. 36-37.

Davis, T.D. 2015. Benefits and challenges of faculty engagement in international agricultural development work. *HortScience* 50(9): S-103.

#### **Trade and Extension Articles:**

Davis, T.D. 1981. The production of tree-form coleus standards. *Florist's Review* 168(4353):58, 170-172.

Davis, T.D. and B. Proebsting. 1982. Phenyl IBA as a root promoting agent for the propagation of cuttings. *Ornamentals Northwest* 6(1):14-15.

Davis, T.D. and W.M. Proebsting. 1982. A new form of a common rooting agent shows promise on rhododendrons. *American Nurseryman* 155(12):25-26, 28.

Davis, T.D. and J.R. Potter. 1983. Rooting with CO<sub>2</sub>. *Greenhouse Grower* 1(11):52.

Walser, R.H., V.D. Jolley, and T.D. Davis. 1984. Spraying and injecting fruit trees with nutrients. *Proceedings of the Utah State Horticultural Association*, p. 48-52.

- Davis, T.D., R.H. Walser, K. Soerenson, and N. Sankhla. 1986. Rooting and subsequent growth of cuttings treated with paclobutrazol. *Plant Propagator* 32(1):7-9.
- Davis, T.D., K. Emino, W. Shurtleff, and N. Sankhla. 1985. The promise of paclobutrazol. *Interior Landscape Industry* 2(11):36-41.
- Davis, T.D., N. Sankhla, A. Upadhyaya, and D. Sankhla. 1985. Physiological and biochemical effects of paclobutrazol on soybean. *Proc. Plant Growth Reg. Soc. Amer.* 12:146-151.
- Allen, P.S. and T.D. Davis. 1986. Determining seed quality of cicer milkvetch (*Astragalus cicer* L.). *AOSA Newsletter* 60(1):86-92.
- Maas, J.L., A.R. Young, and T.D. Davis. 1983. Guidelines for plant and land management. LMC Land Management Consultants, Salt Lake City, 88 pp.
- Davis, T.D. and C.S. Myers. 1986. Growth and interior performance of several herbaceous ornamentals treated with XE-1019. *Proc. Plant Growth Reg. Soc. Amer.* 13:167-173.
- Walser, R.H. and T.D. Davis. 1986. Cold hardiness, rest, and growth of peach trees as influenced by paclobutrazol. *Proc. Plant Growth Reg. Soc. Amer.* 13:177-181.
- Davis, T.D. 1986. Influence of triazole growth retardants on adventitious root formation in bean hypocotyl cuttings. *Proc. Plant Growth Reg. Soc. Amer.* 13:217-223.
- Davis, T.D. and N. Sankhla. 1986. Plant growth retardants in agronomy and horticulture. *Benson Institute Review* 9 (Fall 1986):20-23.
- Davis, T.D. and N. Sankhla. 1987. When you don't want it to grow. *Interior Landscape Industry* 4(8):44-47.
- Larsen, M.H., T.D. Davis, N. Sankhla, and B.N. Smith. 1987. Solute efflux from root tissue due to destabilizing treatments as influenced by XE-1019 and GA<sub>3</sub>. *Proc. Plant Growth Reg. Soc. Amer.* 14:83-88.
- Gehlot, H.S., T.D. Davis, A. Sankhla, D. Sankhla, A. Upadhyaya, and N. Sankhla. 1987. Influence of triazole growth regulators and GA<sub>3</sub> on in vitro differentiation from moth bean callus. *Proc. Plant Growth Reg. Soc. Amer.* 14:103-107.
- Davis, T.D., H.S. Gehlot, C.F. Williams, and N. Sankhla. 1987. Comparative shoot growth-retarding activities of paclobutrazol and XE-1019. *Proc. Plant Growth Reg. Soc. Amer.* 14:121-124.
- Weber, D.J., D.F. Hegerhorst, T.D. Davis, and E.D. McArthur. 1987. Potential uses of rubber rabbitbrush (*Chrysothamnus nauseosus*). In: K.L. Johnson (ed.) *Proc. 4th Utah Shrub Ecology Workshop. The Genus Chrysothamnus*, Utah State Univ. pp. 27-33.

Davis, T., R. Walser, and C.F. Williams. 1988. Reverse effects of growth retardants. *Greenhouse Grower* 6(9):29, 31.

Joshi, S., A. Upadhyaya, T.D. Davis, A.K. Sankhla, D. Sankhla, and N. Sankhla. 1988. Interaction between abscisic acid and GA<sub>3</sub> in in vitro regeneration from moth bean callus. *Proc. Plant Growth Reg. Soc. Amer.* 15:35-38.

Sankhla, D., N. Sankhla, A. Upadhyaya, T.D. Davis, and B.N. Smith. 1988. Effect of tetcyclacis on leaf senescence in pearl millet. *Proc. Plant Growth Reg. Soc. Amer.* 15:55-59.

Larsen, M.H., T.D. Davis, and R.P. Evans. 1988. Modulation of protein expression in uniconazol-treated soybeans in relation to heat stress. *Proc. Plant Growth Reg. Soc. Amer.* 15:177-182.

Weber, D.J., D.F. Hegerhorst, R.B. Bhat, T.D. Davis, and E.D. McArthur. 1987. Physiological changes in *Chrysothamnus nauseosus* in relation to rubber and resin production. In: A. Wallace, E.D. McArthur, and M.R. Haferkamp (compilers) *Proc. Symp. Shrub Ecophysiol. and Biotech.*, Intermountain Research Station, U.S. Forest Service, Ogden, pp. 173-183.

Davis, T.D. and A.S. Andersen. 1989. Growth retardants as aids in adapting new floricultural crops to pot culture. *Acta Hort.* 252:77-85.

Parsons, J.M., S.W. George, and T.D. Davis. 1991. Selling tips from Texas. *American Nurseryman* 173(6):40-47. (Cover story).

Davis, T.D., S.W. George, J.M. Parsons, and A. Upadhyaya. 1991. Native lupins as new amenity crops in Texas. In: *Prospects for Lupins in North America*. *Proc. Symposium sponsored by the Center for Alternative Plant and Animal Products, Univ. Minnesota, St. Paul, Minn.*, pp. 187-191.

George, S., J. Parsons, and T.D. Davis. 1991. Summer color - Firebush takes the heat. *Texas Gardener* 10(4):22-25.

Davis, T.D., S.W. George, A. Upadhyaya, and J. Parsons. 1991. Propagation of firebush by stem cuttings. *Amer. Nurseryman* 174(8):97.

Davis, T.D. 1991. Post-production performance of plugs treated with Bonzi and Sumagic. *Bedding Plants Found. Res. Rpt. No. F-044* (Nov. 1991), 4 p.

Davis, T.D., S.W. George, and B.W. Hipp. 1991. Production of container-grown firebush (*Hamelia patens* Jacq.) as influenced by growing medium and slow-release fertilizer. *Proc. Sou. Nurseryman's Assoc.* 36:129-131.

- Sankhla, N., A. Upadhyaya, T.D. Davis, and D. Sankhla. 1991. H<sub>2</sub> O<sub>2</sub> - scavenging enzymes and antioxidants in *Echinochloa frumentacea* as affected by triazoles. Proc. Plant Growth Reg. Soc. Amer. 18:78-83.
- Sankhla, A., T.D. Davis, D. Sankhla, N. Sankhla, A. Upadhyaya, and S. Joshi. 1991. Triazole plant growth regulators influence somatic embryogenesis and plantlet regeneration in tissue cultures of *Echinochloa frumentacea*. Proc. Plant Growth Reg. Soc. Amer. 18:84-89.
- Haissig, B.E. and T.D. Davis. (eds.). 1993. Abstracts of Presentations at the First International Symposium on the Biology of Adventitious Root Formation. USDA For. Serv. North Cent. For. Expt. Sta. Gen. Tech. Rpt. N-154,105 pp.
- Davis, T.D., R.H. Walser, and K.F. Martin. 1992. Growth and yield of selected root crops as influenced by foliar sprays of uniconazole. Proc. Plant Growth Reg. Soc. Amer. 19:263-267.
- Sankhla, D., T.D. Davis, and N. Sankhla. 1992. In vitro shoot regeneration from hypocotyl explants of *Albizia julibrissin* as influenced by gibberellin biosynthesis inhibitors. Proc. Plant Growth Reg. Soc. Amer. 19:279-284.
- Sankhla, D., T.D. Davis, N. Sankhla, and A. Upadhyaya. 1993. Clonal multiplication of 'German Red' carnation. Proc. Plant Growth Reg. Soc. Amer. 20: 167-174.
- Sankhla, D., T.D. Davis, N. Sankhla, and A. Upadhyaya. 1993. In vitro production of flowering shoots in 'German Red' carnation: Effect of uniconazole and gibberellic acid. Proc. Plant Growth Reg. Soc. Amer. 20: 175-180.
- Sankhla, D., T.D. Davis, and N. Sankhla. 1993. Thidiazuron-induced in vitro shoot formation from roots of intact seedlings of silktree. Proc. Plant Growth Reg. Soc. Amer. 20: 181-185.
- Rodriguez, D., T.D. Davis, J.M. Parsons, and N. Sankhla. 1993. Influence of growth regulators on container-grown *Salvia farinacea x longispicata* 'Indigo Spires'. Proc. Sou. Nurseryman's Assoc. 38: 276-280.
- Davis, T.D., N. Sankhla, D. Sankhla, S.W. George, and J.M. Parsons. 1993. Tissue culture propagation of 'German Red' carnation. Proc. Sou. Nurseryman's Assoc. 38: 300-305.
- Sankhla, N., D. Sankhla, T.D. Davis, and M.L. Binzel. 1994. Efficient in vitro regeneration from long green chile (cv. New Mexico-6) half seed explants. Proc. 12th Nat. Pepper Conf., 4 p.
- Sankhla, D., T.D. Davis, and N. Sankhla. 1994. In vitro regeneration of silktree from excised roots. Proc. Plant Growth Reg. Soc. Amer. 21: 112-117.

- Sankhla, D., N. Sankhla, and T.D. Davis. 1994. Influence of ethylene on in vitro shoot bud formation from excised roots of silktree. Proc. Plant Growth Reg. Soc. Amer. 21: 118-123.
- Trivedi, S., N. Sankhla, T.D. Davis, and D. Sankhla. 1994. Effect of abscisic acid and thidiazuron on activities of activated oxygen processing enzymes in excised roots of silktree. Proc. Plant Growth Reg. Soc. Amer. 21: 139-144.
- Davis, T.D. and S.W. George. 1995. Use of growth regulators on cutting-grown coleus. Texas Assoc. Landscape Contractors Newsletter, Dallas Chapter, January, p.3.
- Binzel, M.L., N. Sankhla, D. Sankhla, T.D. Davis, and S. Joshi. 1995. In vitro regeneration of pepper seedling explants. Proc. Plant Growth Reg. Soc. Amer. 22: 274-279.
- Sankhla, D., T.D. Davis, and N. Sankhla. 1995. Effect of explant age and thidiazuron on in vitro regeneration from excised roots and hypocotyls of silktree (*Albizia julibrissin*). Proc. Plant Growth Reg. Soc. Amer. 22: 303-307.
- George, S.W. and T.D. Davis. 1995. Use of growth regulators on cutting-grown 'Burgundy Sun' coleus. Proc. Plant Growth Reg. Soc. Amer. 22: 308-311.
- Sankhla, N., T.D. Davis, S. Trivedi, A. Upadhyaya, and D. Sankhla. 1995. Effect of cytokinins on the activities of oxy-stress enzymes and antioxidant levels in carnation plantlets. Proc. Plant Growth Reg. Soc. Amer. 22: 312-316.
- Mackay, W.A. and T.D. Davis. 1996. Development of Big Bend bluebonnet, *Lupinus havardii*, as a greenhouse cut flower crop. Proc. Native Plant Soc. Texas: The Chihuahuan desert and its many ecosystems, pp. 118-124.
- Sankhla, N., T.D. Davis, D. Sankhla, and A. Updhyaya. 1996. Antioxidant levels and activities of related enzymes in hyperhydric plantlets of 'German Red' carnation: Effect of triazoles and thidiazuron. Proc. Plant Growth Reg. Soc. Amer. 23: 118-123.
- Sankhla, D., T.D. Davis, S. Trivedi, and N. Sankhla. 1996. Effect of salicylic acid on in vitro regeneration and activities of oxygen processing enzymes in root explants of silktree. Proc. Plant Growth Reg. Soc. Amer. 23: 124-130.
- Davis, T.D. (Editor) Proc. Plant Growth Reg. Soc. Amer. 23, 323 pages.
- Sankhla, D., T.D. Davis, and N. Sankhla. 1997. In vitro studies on Big Bend bluebonnet. Proc. Plant Growth Reg. Soc. Amer. 24: 221-225.
- Sankhla, D., T.D. Davis, A. Upadhyaya, and N. Sankhla. 1997. Promotion of in vitro regeneration in firebush by thidiazuron and abscisic acid. Proc. Plant Growth Reg. Soc. Amer. 24: 229-232.

- Mackay, W.A., D. Sankhla, N. Sankhla, and T.D. Davis. 1998. Postharvest performance of cut racemes of Big Bend bluebonnet: Effect of salicylic acid. Proc. Plant Growth Reg. Soc. Amer. 25: 120-123.
- Sankhla, N., W.A. Mackay, D. Sankhla, and T.D. Davis. 1998. Postharvest performance of cut racemes of Big Bend bluebonnet: Influence of ethylene inhibitors. Proc. Plant Growth Reg. Soc. Amer. 25: 130-133.
- Mackay, W.A., T.D. Davis, N. Sankhla, D. Sankhla, and S.W. George. 1999. Development of *Lupinus havardii* into a specialty cut flower crop. Proc. Int. Lupin Conf. 8: 37-41.
- Davis, T.D. and W.A. Mackay. 1999. Cold tolerance of 15 lupin species exposed to below-freezing temperature. Proc. Int. Lupin Conf. 8: 428-430.
- Sankhla, N. and T.D. Davis. 1999. Use of gibberellin biosynthesis inhibitors for controlling woody plant growth. Proc. Plant Growth Reg. Soc. Amer. 26: 97-104.
- Mackay, W.A., N. Sankhla, and T.D. Davis. 1999. An evaluation of ethylene sensitivity in cut inflorescences of *Lupinus* species. Proc. Plant Growth Reg. Soc. Amer. 26: 187-189.
- Sankhla, N., W.A. Mackay, and T.D. Davis. 1999. Effect of EthylBloc on postharvest performance of cut racemes of Big Bend bluebonnet. Proc. Plant Growth Reg. Soc. Amer. 26: 190-192.
- Davis, T.D., N. Sankhla, J. Quinters, and D. Sankhla. 1999. Long-term effects of flurprimidol trunk implants on growth of *Celtis laevigata*. Proc. Plant Growth Reg. Soc. Amer. 26: 204-209.
- Davis, T.D. 1999. A tribute to Professor Dr. Narendra Sankhla A valued friend and colleague. Proc. Nat. Seminar on Plant Physiology at the Interface of Agri-Horticulture and Industry, Udaipur, India., pp. ix-x.
- Mackay, W.A., N. Sankhla, D. Sankhla, and T.D. Davis. 2000. Effect of low temperature storage and ethylene inhibitors on postharvest display life of cut racemes of Big Bend bluebonnet. Proc. Plant Growth Reg. Soc. Amer. 27: 205-208.
- Mackay, W.A., N. Sankhla, D. Sankhla, and T.D. Davis. 2000. Postharvest performance of *Lupinus havardii*, Wats., a new cut flower crop. Proc. Int. Lupine Conf. 9: 330-332.
- Sankhla, N., W.A. Mackay, D. Sankhla, and T.D. Davis. 2000. Role of abscisic acid and ethylene in abscission and senescence of *Lupinus havardii* flowers. Proc. Plant Growth Reg. Soc. Amer. 27: 209-212.



- Sankhla, W.A. Mackay, and T.D. Davis. 2001. Effect of thidiazuron on postharvest performance of perennial phlox cut inflorescences. *Proc. Plant Growth Reg. Soc. Amer.* 28: 104-106.
- Mackay, W.A., N. Sankhla, and T.D. Davis. 2001. Involvement of ethylene in ABA-induced abscission of flowers in cut racemes of Big Bend bluebonnet. *Proc. Plant Growth Reg. Soc. Amer.* 28: 114-117.
- Mackay, W.A. and T.D. Davis. 2002. Big Bend bluebonnet as a cut flower crop. *GM Pro* 22(5): 34-37. (cover story)
- Davis, T.D. and V.A. Gibeault (eds.) 2002. Proceedings of the Symposium Urban Agriculture: Emerging Opportunities in Science, Education, and Policy, 244 p.
- Davis, T.D. and V.A. Gibeault. 2002. Introduction and overview of the symposium. In: T.D. Davis and V.A. Gibeault (eds.), *Proc. Symp. Urban Agric.: Emerging Opportunities in Science, Education, and Policy*, pp. 1-2.
- Gibeault, V.A., T.D. Davis, and J.S. Brenner. 2002. Interactive group session summary and conclusions of the symposium. In: T.D. Davis and V.A. Gibeault (eds.), *Proc. Symp. Urban Agric.: Emerging Opportunities in Science, Education, and Policy*, pp. 161-170.
- Mackay, W.A., N. Sankhla, and T.D. Davis. 2002. Forchlorfenuron (CPPU): A novel agent for preventing leaf senescences and flower abscission in cut phlox flower heads. *Proc. Plant Growth Reg. Soc. Amer.* 20: 177-180.
- Mackay, W.A., N. Sankhla, S.M.L. Rahman, and T.D. Davis. 2003. Effect of Fascination on postharvest performance of cut racemes of Big Bend Bluebonnet. *Proc. Plant Growth Reg. Soc. Amer.* 30: 116-118.
- Sankhla, N., W.A. Mackay, and T.D. Davis. 2003. Reduction of ethylene-induced flower abscission and leaf yellowing in cut inflorescences of phlox by thidiazuron and sucrose. *Proc. Plant Growth Reg. Soc. Amer.* 30: 130-132.
- Sankhla, N., W.A. Mackay, and T.D. Davis. 2003. Nitric acid enhances flower abscission and senescence in cut racemes of *Lupinus havardii* Wats. *Proc. Plant Growth Reg. Soc. Amer.* 30: 133-134.
- Mackay, W.A., N. Sankhla, and T.D. Davis. 2004. Gibberellic acid and sucrose delay senescence of cut *Lupinus densiflorus* Benth. flowers. *Proc. Plant Growth Reg. Soc. Amer.* 31: 104-106.
- Sankhla, N., W.A. Mackay, C.B. McKenney, and T.D. Davis. 2004. Standing cypress: A potential new specialty cut flower crop. *Proc. Plant Growth Reg. Soc. Amer.* 31: 107-109.
- Sankhla, N., W.A. Mackay, and T.D. Davis. 2004. Postharvest performance of cut

racemes of Big Bend bluebonnet (*Lupinus havardii*): Role of selection and plant growth regulators. Proc. APEC Symp. Qual. Management in Postharvest Systems, pp. 411-415.

Sankhla, N., W.A. Mackay, and T.D. Davis. 2004. Nitric oxide donors delay methyl jasmonate-induced senescence of flowers in cut inflorescences of *Lupinus densiflorus* Benth. Proc. APEC Symp. Qual. Management in Postharvest Systems, pp. 417-421.

Sankhla, N., W.A. Mackay, and T.D. Davis. 2004. Postharvest performance of cut racemes of Big Bend bluebonnet (*Lupinus havardii*): Role of selection and plant growth regulators. Proc. APEC Symp. Qual. Management in Postharvest Systems, pp. 411-415.

Sankhla, N., W.A. Mackay, and T.D. Davis. 2004. Nitric oxide donors delay methyl jasmonate-induced senescence of flowers in cut inflorescences of *Lupinus densiflorus* Benth. Proc. APEC Symp. Qual. Management in Postharvest Systems, pp. 417-421.

Sankhla, N., W.A. Mackay, and T.D. Davis. 2005. Postharvest physiology, quality, and display life of cut flowers: Role of plant growth regulators and energy source. Proc. Int. Conf. Postharv. Tech. Qual. Mgt. in Arid Tropics, pp. 103-107.

Sankhla, N., P. Agarwal, W.A. Mackay, T.D. Davis, H.S. Gehlot, R. Choudhary, and S. Joshi. 2006. Ber (*Ziziphus*) fruits: Apple of arid regions of Indian Thar Desert. Acta Hortic. 712: 449-452.

Sankhla, N., W.A. Mackay, and T.D. Davis. 2006. Manipulation of post harvest quality and display life in cut phlox flower heads: Effect of sucrose, prohexadione-Ca, and gibberellic acid. Acta Hortic. 712: 835-840.

Mackay, W.A., N. Sankhla, and T.D. Davis. 2006. Genetic improvement and commercial development of *Lupinus havardii* Wats. (Big Bend Bluebonnet) as a new specialty cut flower crop. Proc. 22<sup>nd</sup> International Eucarpia Symp., Section Ornamentals: Breeding for Beauty, Part II. 743: 81-84.

Riemenschneider, D.E., T.D. Davis, W.A. Mackay, and R.D. Ratliff. 2008. *Lupinus* L.-lupine. The Woody Plant Seed Manual, USDA/ARS Handbook 727, pp. 691-693

Sankhla, N., W.A. Mackay, and T.D. Davis. 2008. Flower abscission, flower opening, and petal color development in cut phlox flower heads: Effect of methyl jasmonate, gibberellic acid, and sucrose. Acta Hortic. 774: 315-321.

Sankhla, N., W.A. Mackay, and T.D. Davis. 2008. Postharvest performance of cut racemes of *Lupinus havardii* Wats.: Effect of sucrose and gibberellic acid. Acta Hortic. 774: 323-327.

#### **Journal Articles:**

Davis, T.D. and J.R. Potter. 1981. Current photosynthate as a limiting factor in adventitious root formation on leafy pea cuttings. J. Amer. Soc. Hort. Sci. 106:278-282.

- Davis, T.D. and J.R. Potter. 1983. High CO<sub>2</sub> applied to cuttings: Effects on rooting and subsequent growth in ornamental species. *HortScience* 18:194-196.
- Davis, T.D. and J.R. Potter. 1984. Effect of localized etiolation of stock plants on the rooting of *Rhododendron* cuttings. *J. Environ. Hort.* 1:96-98.
- Stevens, M.R., C.F. Williams, R.H. Walser, T.D. Davis, V.D. Jolley, and S.D. Nelson. 1984. Land, labor, and production efficiency in variable-sized garden areas. *HortScience* 19:665-666.
- Rader, J.S., R.H. Walser, C.F. Williams, and T.D. Davis. 1985. Organic and conventional peach production and economics. *Biol. Agric. Hort.* 2:215-222.
- Sorenson, E., C.F. Williams, R.H. Walser, T.D. Davis, and P. Barker. 1984. Growth response of *Acer grandidentatum* Nutt. to chilling treatments. *J. Environ. Hort.* 2:128-130.
- Barney, D.L., R.H. Walser, T.D. Davis, and C.F. Williams. 1985. Trunk injection of iron compounds as a treatment for overcoming iron chlorosis in apple trees. *HortScience* 20:236-238.
- Davis, T.D. and J.R. Potter. 1985. Carbohydrates, water potential, and subsequent rooting of stored *Rhododendron* cuttings. *HortScience* 20:292-293.
- Rader, J.S., R.H. Walser, C.D. Jorgenson, C.F. Williams, and T.D. Davis. 1985. Efficiency and economics of codling moth control in organic and conventional pome fruit production. *Biol. Agric. Hort.* 2:315-321.
- Blaylock, A.D., V.D. Jolley, J.C. Brown, T.D. Davis, and R.H. Walser. 1985. Iron-stress response mechanism and iron uptake in iron-efficient and -inefficient tomatoes and soybeans treated with cobalt. *J. Plant Nutr.* 8:1-14.
- Davis, T.D., N. Sankhla, W.R. Andersen, D.J. Weber, and B.N. Smith. 1985. High rates of photosynthesis in the desert shrub *Chrysothamnus nauseosus* ssp. *albicaulis*. *Great Basin Naturalist* 45:520-526.
- Upadhyaya, A., N. Sankhla, T.D. Davis, D.J. Weber, and B.N. Smith. 1985. In vitro propagation of a rubber-producing desert shrub. *HortScience* 20:864-865.
- Davis, T.D., N. Sankhla, R.H. Walser, and A. Upadhyaya. 1985. Promotion of adventitious root formation in cuttings by paclobutrazol. *HortScience* 20:883-884.
- Sankhla, N., T.D. Davis, A. Upadhyaya, D. Sankhla, R.H. Walser, and B.N. Smith. 1985. Growth and metabolism of soybean as affected by paclobutrazol. *Plant Cell Physiol.* 26:913-921.

- Upadhyaya, A., T.D. Davis, D. Sankhla, N. Sankhla, and B.N. Smith. 1985. Effect of paclobutrazol on the activities of proteolytic enzymes and RNase in soybean leaves during senescence. *Comp. Physiol. Ecol.* 10:49-54.
- Upadhyaya, A., D. Sankhla, T.D. Davis, N. Sankhla, and B.N. Smith. 1985. Effect of paclobutrazol on the activities of some enzymes of activated oxygen metabolism and lipid peroxidation in senescing soybean leaves. *J. Plant Physiol.* 121:453-461.
- Sankhla, D., T.D. Davis, N. Sankhla, A. Upadhyaya, and B.N. Smith. 1985. Effect of 2-(3,4-dichlorophenoxy)-triethylamine on betacyanin efflux from beet root tissue. *Biochem. Physiol. Pflanzen* 180:625-628.
- Sankhla, N., T.D. Davis, V.D. Jolley, and A. Upadhyaya. 1986. Effect of paclobutrazol on the development of iron chlorosis in soybeans. *J. Plant Nutr.* 9:923-934.
- Blaylock, A.D., T.D. Davis, V.D. Jolley, and R.H. Walser. 1986. Influence of Co and Fe on photosynthesis, chlorophyll, and nutrient content in regreening chlorotic tomatoes and soybeans. *J. Plant Nutr.* 9:823-838.
- Davis, T.D., N. Sankhla, and B.N. Smith. 1986. Influence of 2-(3,4-dichlorophenoxy)-triethylamine on photosynthesis of *Phaseolus vulgaris* L. *Photosynthesis Res.* 8:275-281.
- Hurley, A.K., R.H. Walser, and T.D. Davis. 1986. Net photosynthesis and chlorophyll in silver maple after trunk injection of ferrous sulfate. *J. Plant Nutr.* 9:683-693.
- Davis, T.D., V.D. Jolley, R.H. Walser, J.C. Brown, and A.D. Blaylock. 1986. Net photosynthesis of Fe-efficient and Fe-inefficient soybean cultivars grown under varying iron levels. *J. Plant Nutr.* 9:671-681.
- Jolley, V.D., J.C. Brown, T.D. Davis, and R.H. Walser. 1986. Increased Fe-efficiency in soybeans through plant breeding related to increased response to Fe-deficiency stress. I. Iron stress response. *J. Plant Nutr.* 9:373-386.
- Jolley, V.D., J.C. Brown, T.D. Davis, and R.H. Walser. 1986. Increased Fe-efficiency in soybeans through plant breeding related to increased response to Fe-deficiency stress. II. Mineral nutrition. *J. Plant Nutr.* 9:387-396
- Upadhyaya, A., T.D. Davis, and N. Sankhla. 1986. Some biochemical changes associated with paclobutrazol-induced adventitious root formation on bean hypocotyl cuttings. *Ann. Bot.* 57:309-315.
- Weber, D.J., T.D. Davis, E.D. McArthur, and N. Sankhla. 1985. *Chrysothamnus nauseosus* (rubber rabbitbrush): Multiple-use shrub of the desert. *Desert Plants* 7:172-180, 208-210. (review article)

- Hurley, A.K., R.H. Walser, T.D. Davis, and D.L. Barney. 1986. Net photosynthesis, chlorophyll, and foliar iron in apple trees after high pressure injection with ferrous sulfate. *HortScience* 21:1029-1031.
- Davis, T.D. 1987. Diurnal and seasonal patterns of net photosynthesis by irrigated *Chrysothamnus nauseosus* under field conditions. *Photosynthesis Res.* 11 201-209.
- Allen, P.S., S.E. Meyer, and T.D. Davis. 1987. Determining seed quality of winterfat (*Ceratoides lanata* (Pursh.) J.T. Howell.) *J. Seed Tech.* 11:7-14.
- Davis, T.D., R.H. Walser, and N. Sankhla. 1986. Growth and photosynthesis of poinsettias as affected by plant growth regulators. *J. Curr. Biosci.* 3:121-126.
- Davis, T.D. and N. Sankhla. 1986. Soybean photosynthesis and growth as influenced by flurprimidol. *Comp. Physiol. Ecol.* 11:166-169.
- Davis, T.D. and J.R. Potter. 1987. Physiological response of *Rhododendron* cuttings to different light levels during rooting. *J. Amer. Soc. Hort. Sci.* 112:256-259.
- Davis, T.D. 1987. Interior performance of three foliage plant species as influenced by paclobutrazol. *Appl. Agric. Res.* 2:120-123.
- Davis, T.D. and N. Sankhla. 1987. Altered diurnal leaf movements in soybean seedlings treated with triazole growth regulators. *Plant Cell Physiol.* 28:1345-1349.
- Pushnik, J.C., G.W. Miller, V.D. Jolley, J.C. Brown, T.D. Davis, and A.M. Barnes. 1987. Influences of ultra-violet (uv)-blue radiation on the growth of cotton. II. Photosynthesis, leaf anatomy, and iron reduction. *J. Plant Nutr.* 10:2283-2297.
- Sankhla, N., T.D. Davis, D.J. Weber, and E.D. McArthur. 1987. Biology and economic botany of *Chrysothamnus* (Rabbitbrush): A potentially useful shrub for arid regions. *J. Econ. Tax. Bot.* 10:481-496. (review article)
- Hegerhorst, D.F., D.J. Weber, R.B. Bhat, T.D. Davis, S.C. Sanderson, and E.D. McArthur. 1988. Seasonal changes in rubber and resin contents in *Chrysothamnus nauseosus* ssp. *hololeucus* and ssp. *turbinatus*. *Biomass* 15:133-142.
- Barnes, A.M., R.H. Walser, and T.D. Davis. 1989. Anatomy of *Zea mays* and *Glycine max* seedlings treated with triazole plant growth regulators. *Biol. Plant.* 31:370-375.
- Upadhyaya, A., H.S. Gehlot, T.D. Davis, N. Sankhla, A. Sankhla, and D. Sankhla. 1989. In vitro growth, metabolism, and regeneration of moth bean callus as influenced by flurprimidol. *Biochem. Physiol. Pflanzen* 185:245-252.
- Walser, R.H. and T.D. Davis. 1989. Growth, reproductive development, and dormancy characteristics of paclobutrazol-treated tart cherry trees. *J. Hortic. Sci.* 64:435-441.

- Davis, T.D. and B.E. Haissig. 1990. Chemical control of adventitious root formation in cuttings. *Plant Growth Reg. Soc. Amer. Quarterly* 18:1-17.
- Gehlot, H.S., A. Upadhyaya, T.D. Davis, and N. Sankhla. 1989. Growth and organogenesis in moth bean callus as affected by paclobutrazol. *Plant Cell Physiol.* 30:933-936.
- Sankhla, N., D. Sankhla, A. Upadhyaya, and T.D. Davis. 1989. Amelioration of drought and high temperature injury in fruits of ber by paclobutrazol. *Acta Hort.* 239:197-202.
- Davis, T.D. and J.R. Potter. 1989. Relations between carbohydrates, water status, and adventitious root formation in leafy pea cuttings rooted under various levels of atmospheric CO<sub>2</sub> and relative humidity. *Physiol. Plant.* 77:185-190.
- Davis, T.D., J.E. Ells, and R.H. Walser. 1990. Emergence, growth, and freezing tolerance of tomato seedlings grown from uniconazole-treated seed. *HortScience* 25:312-313.
- Davis, T.D. and A.S. Andersen. 1989. Post-production growth and flowering of triazole-treated *Verbena rigida* bedding plants. *Gartenbauwissenschaft* 54:109-112.
- Upadhyaya, A., T.D. Davis, R.H. Walser, A.B. Galbraith, and N. Sankhla. 1989. Uniconazole-induced alleviation of low temperature damage in relation to antioxidant activity. *HortScience* 24:955-957.
- Davis, T.D. and A.S. Andersen. 1989. Growth and flowering of *Fuchsia x hybrida* 'La Campanella' as influenced by triazole plant growth regulators. *Gartenbauwissenschaft* 54:203-208.
- Upadhyaya, A., T.D. Davis, M.H. Larsen, R.H. Walser, and N. Sankhla. 1990. Uniconazole-induced thermotolerance in soybean seedling root tissue. *Physiol. Plant.* 79:78-84
- Jolley, V.D., and T.D. Davis. 1990. Nutrient deficiency symptoms in *Rhododendron*. *J. Amer. Rhodo. Soc.* 44:76-77.
- Sankhla, N., T.D. Davis, A. Upadhyaya, R.H. Walser, and R.G. Cates. 1990. Triazole plant growth regulators increase hydrocyanic acid potential in sorghum seedlings. *J. Agron. Crop Sci.* 165:356-359.
- Sankhla, N., T.D. Davis, H.S. Gehlot, A. Upadhyaya, A. Sankhla, and D. Sankhla. 1991. Growth and organogenesis in moth bean callus cultures as influenced by triazole growth regulators and gibberellic acid. *J. Plant Growth Regul.* 10:41-45.
- Upadhyaya, A., T.D. Davis, and R.H. Walser. 1991. Alleviation of sulfur dioxide-induced phytotoxicity in cucumber plants by uniconazole. *Biochem. Physiol. Pflanzen.* 187:59-65.

- Davis, T.D., S.W. George, A. Upadhyaya, and J. Parsons. 1991. Improvement of seedling emergence of *Lupinus texensis* Hook. following seed scarification treatments. J. Environ. Hort. 9:17-21.
- Davis, T.D., S.W. George, A. Upadhyaya, and J. Parsons. 1991. Propagation of firebush (*Hamelia patens*) by stem cuttings. J. Environ. Hort. 9:57-61.
- Davis, T.D. 1991. Regulation of tree growth and development with triazole compounds. J. Arboricult. 17:167-170.
- Davis, T.D. 1991. Post-production performance of uniconazole-treated zinnia and marigold plugs. HortTechnology 1:49-52.
- Upadhyaya, A., T.D. Davis, and N. Sankhla. 1991. Epibrassinolide does not enhance heat shock tolerance and antioxidant activity in moth bean seedlings. HortScience 26:1065-1067.
- Upadhyaya, A., T.D. Davis, and N. Sankhla. 1991. Heat shock tolerance and antioxidant activity in moth bean seedlings treated with tetcyclacis. Plant Growth Regul. 10:215-222.
- Davis, T.D. and E.A. Curry. 1991. Chemical regulation of vegetative growth. Crit. Rev. Plant Sci. 10:151-188. (review article)
- Sankhla, A., D. Sankhla, A. Upadhyaya, T.D. Davis, and N. Sankhla. 1990. Influence of lactidichlor-ethyl on growth, chemical composition, and regeneration of moth bean callus. Comp. Physiol. Ecol. 15:140-146.
- Haissig, B.E., T.D. Davis, and D.E. Riemenschneider. 1992. Researching the controls of adventitious rooting. Physiol. Plant. 84:310-317. (review article)
- Sankhla, D., A. Upadhyaya, T.D. Davis, N. Sankhla, and B.N. Smith. 1990. Activities of enzymes of amino acid metabolism in senescing *Glycine max* leaves as influenced by paclobutrazol. J. Curr. Biosci. 7:119-125.
- Sankhla, N., A. Upadhyaya, T.D. Davis, and D. Sankhla. 1992. Hydrogen peroxide-scavenging enzymes and antioxidants in *Echinochloa frumentacea* as affected by triazole growth regulators. Plant Growth Reg. 11:441-443.
- Sankhla, A., T.D. Davis, D. Sankhla, N. Sankhla, A. Upadhyaya, and S. Joshi. 1992. Influence of growth regulators on somatic embryogenesis, plantlet regeneration and post-transplant survival of *Echinochloa frumentacea*, Plant Cell Reports 11:368-371.
- Upadhyaya, A., T.D. Davis, D. Sankhla, and N. Sankhla. 1992. Micropropagation of *Lupinus texensis* from cotyledonary node explants. HortScience. 27:1222-1223.

- Parsons, J.M., and T.D. Davis. 1993. 'Abbott Pink' bluebonnet (*Lupinus texensis* Hook). HortScience. 28:65-66. (cultivar release)
- Davis, T.D., D. Sankhla, N. Sankhla, A. Upadyaya, J.M. Parsons, and S.W. George. 1993. Improving seed germination of *Aquilegia chrysantha* by temperature manipulation. HortScience 28: 798-799.
- Sankhla, D., T.D. Davis, and N. Sankhla. 1993. Effect of gibberellin biosynthesis inhibitors on shoot regeneration from hypocotyl explants of *Albizzia julibrissin*. Plant Cell Reports 13: 115-118.
- Rodriguez, D., T.D. Davis, J.M. Parsons, and N. Sankhla. 1993. Use of growth retardants in the production of container-grown *Salvia farinacea x longispicata* 'Indigo Spires'. Quart. Plant Growth Reg. Soc. Amer. 21: 180-189.
- Sankhla, D., T.D. Davis, and N. Sankhla. 1994. Thidiazuron-induced in vitro shoot formation from roots of intact seedlings of *Albizzia julibrissin*. Plant Growth Regul. 14:267-272.
- Sankhla, D., T.D. Davis, N. Sankhla, and A. Upadhyaya. 1994. In vitro production of flowering shoots in 'German Red' carnation: Effect of uniconazole and gibberellic acid. Plant Cell Reports 13:514-518.
- Donahue, R.A., T.D. Davis, C.H. Michler, D.E. Riemenschneider, D.R. Carter, P.E. Marquardt, N. Sankhla, D. Sankhla, B.E. Haissig and J.G. Isebrands. 1994. Growth, photosynthesis, and herbicide tolerance of genetically modified poplar. Can. J. For. Res. 24: 2377-2383.
- Parsons, J.M., T.D. Davis, S.W. George, and W.A. Mackay. 1994. 'Barbara Bush' bluebonnet (*Lupinus texensis* Hook.). HortScience 29: 1202. (cultivar release)
- Davis, T.D., S.W. George, W.A. Mackay, and J.M. Parsons. 1994. Development of Texas bluebonnets into floricultural crops. HortScience 29: 1110, 1211.
- Sankhla, D., N. Sankhla, and T.D. Davis. 1995. Promotion of in vitro shoot formation from excised roots of silktree (*Albizzia julibrissin*) by an oxime ether derivative and other ethylene inhibitors. Plant Cell Reports 15: 143-146.
- Davis, T.D., W.A. Mackay, and N. Sankhla. 1995. Postharvest characteristics of cut inflorescences of *Lupinus havardii*. HortTechnology 5: 247-249.
- Mackay, W.A., T.D. Davis, D. Sankhla. 1995. Influence of scarification and temperature treatments on seed germination of *Lupinus havardii*. Seed Sci. Tech. 23: 815-821.
- Sankhla, D., T.D. Davis, and N. Sankhla. 1995. In vitro regeneration of silktree (*Albizzia julibrissin*) from excised roots. Plant Cell Tiss. Org. Cult. 44: 83-86.



- Sankhla, D., T.D. Davis, N. Sankhla, and A. Upadhyaya. 1995. In vitro regeneration of the heat-tolerant 'German Red' carnation through organogenesis and somatic embryogenesis. *Gartenbauwissenschaft* 60: 228-233.
- Mackay, W.A., T.D. Davis, D. Sankhla, and D.E. Riemenschneider. 1996. Factors influencing seed germination of *Lupinus perennis*. *J. Environ. Hortic.* 14; 167-169.
- Mackay, W.A. and T.D. Davis. 1998. 'Texas Sapphire' and 'Texas Ice' long-stem bluebonnets (*Lupinus havardii*). *HortScience* 33: 348-349. (cultivar release)
- Mackay, W.A., J.M. Parsons, G. Grant, S. George, T.D. Davis and L. Stein. 2000. 'Texas Maroon' bluebonnet. *HortScience* 35: 313. (cultivar release)
- Davis, T.D., W.A. Mackay, and N. Sankhla. 2000. Distribution, biology, and potential horticultural uses of Big Bend bluebonnet (*Lupinus havardii* Wats.) A showy winter annual from the Chihuahuan Desert. *Desert Plants* 16: 3-9.
- Sankhla, N., W.A. Mackay, and T.D. Davis. 2001. Extension of vase life and prevention of ethylene-induced flower shattering in *Lupinus havardii* by 1-methylcyclopropene. *Acta Hortic.* 543: 75-78.
- Mackay, W.A., T.D. Davis, and N. Sankhla. 2001. Effect of ethephon and silver thiosulfate on postharvest characteristics of inflorescences of several *Lupinus* species. *Acta Hortic.* 543: 69-73.
- Colbaugh, P.F., W.A. Mackay, and T.D. Davis. 2001. *Alternaria alternata* causing stem flower blight of *Lupinus havardii*. *Plant Disease* 85: 231.
- Arnold, M.A., R.D. Lineberger, T.D. Davis, S.W. George, W.A. Mackay, G.D. Grant, J.M. Parsons, and L.A. Stein. 2001. Integrating plant trials into teaching and student research programs. *HortTechnology* 11: 385-88.
- Mackay, W.A., S.W. George, T.D. Davis, M.A. Arnold, R.D. Lineberger, J.M. Parsons, L.A. Stein, and G.D. Grant. 2001. Texas Superstar and the Coordinated Educational and Marketing Assistance Program (CEMAP): How we operate. *HortTechnology* 11: 389-91.
- Mackay, W.A., T.D. Davis, and D. Sankhla. 2001. Influence of scarification and temperature on seed germination of *Lupinus arboreus*. *Seed Sci. Tech.* 29: 543-48.
- Sankhla, N., W.A. Mackay, and T.D. Davis. 2003. Reduction of flower abscission and leaf senescence in cut phlox inflorescences by thidiazuron. *Acta Hortic.* 628: 837-841.
- Sankhla, N., W.A. Mackay, and T.D. Davis. 2003. Effect of nitric oxide on postharvest performance of perennial phlox cut inflorescences. *Acta Hortic.* 628: 843-847.
- Mackay, W.A., N. Sankhla, and T.D. Davis. 2005. Improvement of display life of Big

- Bend bluebonnet racemes of recurrent phenotypic selection. *Acta Hort.* 669: 207-211.
- Sankhla, N., W.A. Mackay, and T.D. Davis. 2005. Effect of thidiazuron on senescence of flowers of cut inflorescences of *Lupinus densiflorus* Benth. *Acta Hort.* 669: 239-243.
- Sankhla, N., W.A. Mackay, and T.D. Davis. 2005. Corolla abscission and petal color in cut phlox flower heads: Effects of sucrose and thidiazuron. *Acta Hort.* 669: 389-393.
- Arnold, M.A., T.D. Davis, D.W. Reed. 2006. A survey of horticulture and plant science graduate programs and faculty salaries at North American universities. *HortTechnology* 16: 146-152.
- Pemberton, B., M. Arnold, T. Davis, D. Lineberger, C. McKenney, D. Rodriguez, L. Stein, C. Hall, M. Palma, and R. De Los Santos. 2011. The Texas Superstar Program: Success through partnership. *HortTechnology* 21: 698-699.
- Davis, T.D. and P. Hariyadi. 2013. Horticultural research and education opportunities in Indonesia. *HortScience* 48: 292-295.
- Arnold, M.A., R.D. Lineberger, T.D. Davis, D.W. Reed, and W.J. McKinley. 2014. A survey of North American horticulture graduate programs: Demographics, policies, finances, and metrics. *HortTechnology* 24: 241-251.
- Davis, T.D. and W.A. Payne. 2014. Preface: Welcome to Texas and introduction to Desert Technology 11 (DT 11) Conference. *J. Arid Land Studies* 24 (1): i-iii.
- Gehlot, H.S., N. Tak, H.R. Dagla, and T.D. Davis. 2014. Indigenous and modern scientific strategies for characterization, conservation, and sustainable utilization of bio-resources of the Indian Thar Desert. *J. Arid Land Studies* 24 (1): 5-8.
- Pemberton, H.B., T.D. Davis, M.A. Arnold, C. McKenney, L. Stein, D. Rodriguez, and R.D. Lineberger. 2014. Texas Superstar Program—Using technology to promote the use of well-adapted plants for landscapes in high temperature regions with limited water resources. *J. Arid Land Studies* 24(1): 209-211.
- Andarwulan, N., N.D. Yuliana, E. Hasna, S.A. Aziz, and T.D. Davis. 2014. Comparative analysis of three Torbangun clones (*Plectranthus amboinicus* {Lour.} Spreng.) based on phenotypic characteristics and phenolic content. *Amer. J. Plant Sci.* 5: 3673-3683.
- Reed, D.W., M. A. Arnold, R. D. Lineberger and T.D. Davis. 2016  
Challenges of Higher Education in the U.S. – What will Horticulture of the Future Look Like? *Acta Hort.* . (in press)

**Books and book chapters (refereed):**

- Davis, T.D., N. Sankhla, and A. Upadhyaya. 1986. Paclobutrazol: A promising plant growth regulator. In: S.S. Purohit (ed.) *Hormonal Regulation of Plant Growth and Development*. Vol. III. Agro Botanical Pub., Bikaner, India. pp. 311-331.
- Davis, T.D., B.E. Haissig, and N. Sankhla (eds.) 1988. Adventitious root formation in cuttings. *Advances in Plant Science Series*, Vol. 2. Dioscorides Press, Portland. 22 chapters, 310 p. ISBN 0-931146-10-0.
- Davis, T.D. 1988. Photosynthesis during the rooting of leafy cuttings. In: T.D. Davis, B.E. Haissig, and N. Sankhla (eds.) *Adventitious Root Formation in Cuttings*. *Advances in Plant Science Series*, Vol. 2. Dioscorides Press, Portland, pp. 79-87.
- Davis, T.D. and N. Sankhla. 1988. Effect of shoot growth retardants and inhibitors on adventitious root formation. In: T.D. Davis, B.E. Haissig, and N. Sankhla (eds.) *Adventitious Root Formation in Cuttings*. *Advances in Plant Science Series*, Vol. 2. Dioscorides Press, Portland, pp. 174-184.
- Davis, T.D., G.L. Steffens, and N. Sankhla. 1988. Triazole plant growth regulators. In: J. Janick (ed.) *Horticultural Reviews*, Vol. 10, Timber Press, Portland. pp. 63-105.
- Sankhla, N., A. Upadhyaya, and T.D. Davis. 1988. Polyamines in plant growth and development. In: S.S. Purohit (ed.) *Hormonal Regulation of Plant Growth and Development*, Vol. IV. Agro Botanical Pub., Bikaner, India. pp. 171-203.
- Davis, T.D. and B.E. Haissig (eds.) 1994. *Biology of Adventitious Root Formation*. *Basic Life Sciences Series*, Vol. 62., Plenum Press, N.Y., 20 chapters, 343 p. ISBN 0-306-44627-8.
- Davies, F.T. Jr., T.D. Davis, and D.E. Kester. 1994. Commercial importance of adventitious rooting to horticulture. In: T.D. Davis and B.E. Haissig (eds.) *Biology of Adventitious Root Formation*, *Basic Life Sciences Series*, Vol. 62, Plenum Press, N.Y., pp. 53-59.
- Haissig, B.E. and T.D. Davis. 1994. A historical evaluation of adventitious rooting research to 1993. In: T.D. Davis and B.E. Haissig (eds.) *Biology of Adventitious Root Formation*, *Basic Life Sciences Series*, Vol. 62, Plenum Press, N.Y., pp. 275-331.
- Fletcher, R.A., A. Gilley, N. Sankhla, and T.D. Davis. 2000. Triazoles as plant growth regulators and stress protectants. In: J. Janick (ed.) *Horticultural Reviews*, Vol. 24, pp. 55-138.
- Butler, L.M., D. Maronek, N. Bills, T.D. Davis, J. Freedgood, F.M. Howell, J. Kelly, L.W. Libby, K. Pothukuchi, D. Relf, J.K. Thomas, P.B. Thompson. 2002. *Urban and Agricultural Communities: Opportunities for Common Ground*. Council for Agricultural Science and Technology (CAST) Task Force Report No. 138, 124 p.

### **Book Reviews:**

Davis, T.D. 1992. Plant Biochemical Regulators edited by H.W. Gausman, Marcel Dekker Inc. N.Y. Plant Growth Reg. Soc. Quart. 20:43-47.

### **Patents:**

Mackay, W.A and T.D. Davis. U.S. Patent No. 5,648,594, "Big Bend Bluebonnet" (utility patent), issued July 15, 1997.

### **Video:**

Executive Producer of video "Agventures in the City: Urban Agriculture", produced by Agricultural Communications, Texas A&M University, 2002, 12 min.

Executive Producer of video "Past, Present, & Future: The Texas A&M Agricultural Research and Extension Center Dallas," produced by Agricultural Communications, Texas A&M University, 2003, 8 min.

### **Invited Presentations at:**

Department of Botany, University of Jodhpur, India, 1986 (Jodhpur); Department of Horticulture, Royal Veterinary and Agricultural University, 1988 (Copenhagen); Department of Horticulture, Agricultural University of Norway, 1988 (Aas); Plant Growth Regulation Society of America annual meeting, 1989 (Washington, D.C.); Department of Horticultural Sciences, Texas A&M University, 1991, 2003, 2012 (College Station); Biological Research Centre, Hungarian Academy of Sciences, 1992 (Szeged); Plant Growth Regulation Society of American annual meeting, 1999 (Costa Mesa, Calif.); First Symposium on Ornamental Horticulture in the Arabian Gulf Region, 2001 (Al Ain, UAE); National Association of State Departments of Agriculture annual meeting, 2002 (Washington, D.C.); Second International Symposium on Ornamental Horticulture in Arid Zones, 2002 (Al Ain, UAE), Department of Plant and Soil Sciences, Texas Tech University, 2002 (Lubbock); USAID, Washington, D.C., 2011; National Food Science and Technology Seminar, 2011 (Manado, Indonesia); American Society for Horticultural Science annual meeting, 2011 (Hawaii); International Conference of Food Factors, 2012, Jakarta, Indonesia; Borlaug Institute for International Agriculture, Texas A&M University, 2012; Beijing Forestry University, 2013 (China); 3<sup>rd</sup> Nat. Seminar USAID Tropical Plant Curriculum Project, 2013 (Denpasar, Indonesia); Bogor Agricultural University, 2014 (Indonesia); National Chung Hsing University, 2014, 2015 (Taiwan); College of Agricultural, Food, and Life Sciences, University of Arkansas, 2015; American Society for Horticultural Science annual meeting, 2015 (New Orleans);

**Research conducted by T.D. Davis has been highlighted in the following print media:**

--*Magazines*: Nursery Business, Florist's Review, Grower Talks, Greenhouse Manager, Nursery Manager, Texas Nurseryman, Homesick Texan, Agricell Report, Neil Sperry's Gardens, Texas Horticulture

--*Newspapers*: BYU Universe, Orem-Geneva Times, Provo Daily Herald, Plano Star Courier, Fort Worth Star Telegram, El Paso Times, Wall Street Journal, Dallas Morning News, Northside People, Lubbock Avalanche Journal, Bryan Eagle, Austin American Statesman

--*Newsletters*: Y News, Branch Manager, Rice Biotechnology, Texas A&M University System News, The Bloomin' Texan, Texas Co-Op Power

**Television and Radio Experience:**

KBYU-TV, Channel 11, Provo, Utah. Special guest on three "Utah Family Garden" 30-minute television shows during 1983 and 1984.

Cougar Cable TV, Provo, Utah. Guest on "Lifestyle" variety show. June 1984.

KSL radio, Salt Lake City, Utah. Special guest on "KSL Greenhouse" one-hour radio call-in show, 1983 to 1987.

CBS TV affiliate, Bryan-College Station, Texas. Guest on "Brazos Valley Today", Friday, March 11, 1994

KDFW-TV (CBS), Channel 4, Dallas, Texas. 6:00 p.m. news story on the development of long-stem bluebonnets for cut flowers. Wednesday, April 20, 1994. Reporter: Steve Stoler.

CNN, Early Prime, news story on the development of long-stem bluebonnets for cut flowers. Monday, May 2, 1994. Reporter: Tony Clark.

CNN Headline News, Dollars and Sense, news stories on the development of long-stem bluebonnets for cut flowers. Monday & Tuesday, May 2-3, 1994. Reporter: Tony Clark.

Texas Farm Bureau, Waco- taped 1 minute radio spot on long-stem bluebonnets for airing on approximately 30 radio stations throughout the state, Friday, May 6, 1994. Reporter: Gary Joiner.

Texas Department of Agriculture, Austin--taped radio spot on long-stemmed bluebonnets for airing on radio stations across the state, Thursday, May 17, 1994. Reporter: Lisa Barker.

WBAP 820 radio, Dallas/Fort Worth, Texas. News story on long-stem bluebonnets as cut flowers. Feb. 2, 1995 (PM). Reporter: Jim Ryan.

KRLD 1080 radio, Dallas/Fort Worth, Texas. News story on long-stem bluebonnets as cut flowers. Feb. 2, 1995 (PM). Reporter: Chris Fox.

KXAS-TV (NBC), Channel 5, News story on long-stem bluebonnets as cut flowers, Feb. 2, 1995, 5:00 and 6:00 p.m. news.

KRLD 1080 radio, Dallas/Fort Worth, Texas. Announcement of Benny Simpson's death, Dec. 28, 1996, Neil Sperry call-in show.

KXAS Channel 5 (NBC affiliate), Fox4 News and KDAF Channel 33 (WB), local comments on Aggie Bonfire Disaster, 1999.

WFAA Channel 8 (ABC affiliate), comments on loss of agricultural land, 2001.

**Awards:**

Late Bloomer Scholarship Award, Brigham Young University, 1977-78; half-tuition scholarship

William O. Menke Scholarship Award to Outstanding Graduate Student in Ornamental Horticulture, Oregon State University, 1981-82

Graduate Student Paper Competition Award - Third place winner, Annual Meetings of the Western Region of the American Society for Horticultural Science, Santa Barbara, California, June 20-25, 1982.

Received 1990 Unit Award for Superior Service from the Texas Agricultural Extension Service (Team Award)

Received 1990 Award in Excellence from Deputy Chancellor for Agriculture, (Team Award) Texas A&M University System.

Received Nancy Benedict Memorial Award from the Native Plant Society of Texas for an act of conservation/public service in the field of Texas native plants, 1996

Leadership and Administration Award, American Society for Horticultural Science, Southern Region, 2004

Vice Chancellor's Award in Excellence for Administration, Texas A&M University, 2005

Elected Fellow of the American Society for Horticultural Science, 2006.

**Grants, Donations, and Other Support Received:**

"Influence of stock plant lighting on adventitious rooting", \$3000 received from BYU Professional Development Committee, 1982-3.

"Influence of stock plant lighting on adventitious rooting", \$850 received from BYU Professional Development Committee, 1983-4.

"Physiological aspects of the recovery of iron-induced chlorosis in plants treated with iron compounds", \$4500 received from BYU Professional Development Committee, 1983-4.

"Physiological aspects of the recovery of iron-induced chlorosis in plants treated with iron compounds", \$3000 received from BYU Professional Development Committee, 1984-5.

"Net photosynthesis of Indian Desert plants in response to water stress", \$3000 received from BYU Professional Development Committee, 1985-6.

"Photosynthetic characteristics of ephemeral species from the Great Thar Desert of India" \$3970 received from BYU Professional Development Committee and approximately \$1000 received from University of Jodhpur, 1986.

"Plant Growth Regulator Research: Ortho XE-1019 and Woody Vegetation Control", \$2000 received from Chevron Chemical Company, 1985.

"An evaluation of several new growth retardants for controlling tree growth", \$1500 received from International Society of Arboriculture, 1985.

"Nutrient Deficiencies in Rhododendrons", \$2000 received from American Rhododendron Society, 1986.

"Comparative photosynthetic characteristics of three cold desert shrubs at several Great Basin sites", \$4000 received from BYU Professional Development Committee, 1986-7.

"XE-1019 and turfgrass growth control", \$1200 received from Chevron Chemical Company, 1987.

"XE-1019 and turfgrass growth control", \$1400 received from Chevron Chemical Company, 1987.

"Travel grant to Grower Expo '88", \$500 received from Grower Talks Magazine, 1988.

"Assimilate transport into various plant tissues as influenced by triazole plant growth regulators", \$2900 received from BYU Professional Development Committee, 1987-8.

"Phototron studies", \$3600 received from Pyraonics Laboratories, 1988.

"Comparison of Carotene content in carrot cultivars and Caromex sweet potato", \$5000 received from Benson Food and Agriculture Institute, 1988.

"Sabbatical at Royal Veterinary and Agricultural University, Copenhagen, Denmark" 60,000 Danish kroner (approx. \$10,000) received from Danish Research Academy, 1988.

"Uniconazol-induced thermotolerance in plant tissue", \$3000 received from BYU Professional Development Committee, 1988-89.

"Growth, flowering, and post-production performance of triazole-treated bedding plants", \$3800 received from Bedding Plant Foundation Inc., 1989-90.

"Research Planning at USDA Forest Service, Forestry Sciences Laboratory, Rhinelander, Wisconsin" \$2000 received from US Forest Service, 1989.

"Growth, flowering, and post-production performance of triazole-treated bedding plants," \$3800 received from Bedding Plant Foundation Inc., 1990-91.

"Photosynthetic and Productivity Traits of Glyphosate-tolerant Transgenic Poplars", \$5,000 received from US Forest Service, 1991.

"Use of in vitro somaclonal selection to improve salt tolerance of nursery crops", \$2500 received from Horticultural Research Institute, 1991.

"CEMAP grant", \$3000 received from Texas Association of Nurseryman, 1991.

"Support for Ongoing CEMAP Efforts", \$31,000 received from Haines Memorial Trust, 1991.

"Tree Growth Regulation with Flurprimidol," \$4,000 received from DowElanco, 1992.

"Development of Big Bend Bluebonnet as a Cut Flower Crop," \$7,400 received from the Fred C. Gloeckner Foundation, 1992.

"Project Development Visit to Szeged, Hungary," \$1,585 received from U.S. National Academy of Sciences and 15,000 forints (approx. \$200) received from Hungarian Academy of Sciences.

"Tree Growth Regulation with Flurprimidol," \$3,000 received from DowElanco, 1993.

"Support for First International Symposium on the Biology of Adventitious Root Formation," \$1,400 received from the International Plant Propagator's Society, 1993.

"Support for First International Symposium on the Biology of Adventitious Root Formation." \$2,000 received from the Texas Forest Service, 1993.



"Support for First International Symposium on the Biology of Adventitious Root Formation," \$1,000 received from Texas Utilities, 1993.

"Support for First International Symposium on the Biology of Adventitious Root Formation," \$2,000 received from the U.S. Dept. Energy Biofuels Feedstock Development Program, 1993.

"Support for First International Symposium on the Biology of Adventitious Root Formation," \$11,000 received from the U.S. Forest Service, 1993.

"Further Development of Big Bend Bluebonnet as a Cut Flower Crop," \$7,900 received from the Fred C. Gloeckner Foundation, 1993.

"Determining Conditions for Optimum Germination and Flowering of *Lupinus perennis*" \$10,000 received from the U.S. Forest Service, 1993.

"Tree Growth Regulation with Flurprimidol Implants," \$5,000 received from DowElanco, 1994.

"Further Development of Big Bend Bluebonnet as a Cut Flower Crop," \$8,000 received from the Fred C. Gloeckner Foundation, 1994.

"Commercialization of Big Bend Bluebonnet as a Cut Flower Crop," \$20,000 received from the Texas Department of Agriculture (Texas Agricultural Diversification Program), 1994-5.

"Tree Growth Regulation with Flurprimidol Trunk Implants, " \$2,500 received from DowElanco, 1995.

"Integrated Pest Management for Greenhouse Grown Crops", \$6,000 received from the Texas Agricultural Extension Service IPM Minigrants Program, 1996.

"Role of Ethylene and Water Relations in the Postharvest Performance of Big Bend Bluebonnet (*Lupinus havardii*): A Potential Cut Flower Crop from Texas," \$31,000 received from the Texas A&M University Research Enhancement Program, 1996-97.

"Financial Support for Symposium, Urban Agriculture: Emerging Opportunities in Science, Education and Policy," \$87,000 received from symposium sponsors, 2001-2002.

"Tropical Plant Curriculum Project," \$636,549 received from USAID-Indonesia, 2010-2013.

"Financial Support for DT 11 International Conference," \$20,000 from CGIAR Dryland Systems Program, 2013

“Afghanistan Agricultural Research and Education Project, “\$180,000 received from USAID-Afghanistan, 2013-2014

“Agricultural Development in the Republic of Georgia,” \$75,000 received from Frontera Resources, 2014-2015.

“Southeast Asia Regional Codex Training in Indonesia,” \$150,000 received from USDA/FAS, 2014.

“Afghanistan Agricultural Extension Project 2,” \$2.9 million received from USAID, 2015-2017

“China SCEPT Exchange Program,” \$59,000 received from USDA FAS, 2015

“AVANSA Timor Leste Project,” \$734,000 received from USAID, 2015-2010

“Bangladesh LPIN Livestock Improvement Project,” \$175,000 received from USAID, 2015-2016

***Competitive Grant Reviews***—USDA/CSREES review panel member, 2008-2009; USDA.CSREES review panel chair, 2010; ad hoc reviewer for Consortium for Plant Biotechnology Research, 2008; Shota Rustaveli Georgian National Science Foundation peer reviewer, 2009-2013; ad hoc review for BARD, 2010

**Journal Manuscripts Reviewed (\*not counting those handled as Associate Editor):**

<b>Journal:</b>	<b>No. of MS reviewed:</b>
J. Amer. Soc. Hortic. Sci.	17*
HortScience	32*
Photosynthesis Research	1
Indian Acad. Sci. Proc.	2
Tree Physiology	2
J. Plant Growth Regul.	9
Amer. Journal Botany	1
Physiologia Plantarum	5
Quarterly Plant Growth Reg. Soc. Amer.	9
Plant Physiology and Biochemistry	1
Journal of Environmental Horticulture	1
Plant Cell, Tissue, & Organ Culture	3
HortTechnology	2
Plant Cell Reports	2
Journal of Horticultural Science	1
Botanical Bulletin of Academia Sinica	1
International J. of Phytoremediation	1

Journal of Mountain Science	1
New Zealand J. Crop and Hortic. Sci.	1
Canadian Journal of Plant Science	1
Chilean Journal of Agri. Research	1
Annals of Applied Biology	1
African Journal of Agricultural Research	1
Biologia Plantarum	1
International J. of Vegetable Science	1
Journal of Plant Breeding and Genetics	1
Journal of Genetics	1
Journal of Arid Land Studies	3
Plant and Soil	1
Indian Journal of Experimental Biology	1

***Faculty Promotion Reviewer for the following institutions:*** Arizona State University, University of Alberta, Brigham Young University, University of Connecticut, University of Florida, Michigan State University, Oregon State University, Purdue University, Qassim University (Saudi Arabia), Sultan Qaboos University (Oman), University of Queensland (Australia), University of Tennessee, University of Texas at Dallas, University of Wisconsin, Sana'a University (Yemen)

***International Experience:***

- Faculty Professional Development Leave (Sept.-Oct. 1986)- University of Jodhpur, Jodhpur, India. Funded jointly by BYU Professional Development Committee and the Botany Department of the University of Jodhpur. Activities: (1) conducted research on Indian desert plants, (2) presented three special lectures describing my research.
- Visiting Scientist, Royal Veterinary and Agricultural University, Department of Horticulture, Copenhagen, Denmark (April-August 1988). Funded by the Danish Research Academy. Activities: (1) conducted research on the influence of triazole growth regulators on Danish floricultural crops, (2) taught a short course on photosynthesis and vegetative regeneration to about 20 advanced undergraduate and graduate students (approx. 12 lectures), (3) gave special lectures at the Glasshouse Crops Research Institute (Aarslev, Denmark) and the Agricultural University of Norway (Aas).
- Project Development Visit, Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary (Sept. 1992). Funded jointly by the U.S. National Academy of Sciences and the Hungarian Academy of Sciences. Activities: (1) present lecture on antioxidants and stress physiology, (2) set up collaborative research program with Prof. L. Erdei.
- Invited Presentations and Visits, Municipality of Al-Ain and United Arab Emirates University, United Arab Emirates (April, 2001 and 2002). Funded by Municipality of Al-Ain. Activities: (1) present lecture at First Symposium on

Ornamental Horticulture in the Arabian Gulf Region; (2) provide recommendations regarding future actions related to ornamental horticulture research and education.

- Peer reviewer for Shota Rustaveli Georgian National Science Foundation, 2009-2013.
- Project Director, USAID-Indonesia “Tropical Plant Curriculum Project,” 2010-2013. Activities include working with 3 Indonesian universities to review tropical plant science curricula, establish research on bioactive compounds in plants, establish university-led community education programs, and to ultimately promote enterprises based upon underutilized and little-known plants.
- Guatemala: Workshops on Plant Nutrition, 2011-2012
- Program Director for Texas A&M, USAID project, Afghanistan Agricultural Research and Education project (in collaboration with Roots of Peace, Washington State University, and UC Davis), 2013-2014.
- Program Director for Texas A&M, USAID project, Afghanistan Agricultural Extension Project (in collaboration with UC Davis, Washington State University, Purdue University, University of Maryland), 2015-2017.
- Short-Term Technical Assistance (horticulture), USAID Timor Leste AVANSA Project, 2015 & 2016

**Teaching Experience (Brigham Young University, 1983-89):**

**Courses Taught:**

Home Landscape Design (7 years)

Introduction to Horticultural Science (5 years)

Physiological Development of Hort. Crops (2 years)

Arboriculture (3 years)

Horticulture as a Profession (2 years, Texas A&M University, 2015-2016)

**Advisement:**

Faculty Advisor to ornamental horticulture students

Faculty Advisor to agronomy and horticulture interns

**No. of Graduate Student Committees:**

19 MS

1 PhD

**Public Service:**

Soccer Coach, Orem Youth Soccer League, Orem, Utah. 1983-9.

Soccer Coach, Plano Youth Soccer League, Plano, Texas. 1989-91.

Architectural Review Committee member, Creek Trail Homeowners Association, Plano, Texas, 1990-2.

Science Fair Judge, Plano Independent School District, 1991-2.

Youth Baseball Coach, Plano Sports Association, 1991-2.

Youth Baseball Coach, Plano Baseball Association, 1992.

Youth Baseball Coach, Plano YMCA, 1993-4.

Church of Jesus Christ of Latter Day Saints, Youth Sunday School Teacher, Plano, 1993-94, 1998-2001, 2003-2005

Church of Jesus Christ of Latter Day Saints, Youth Leader, College Station, 2005-2006

Church of Jesus Christ of Latter Day Saints, High Councilor, College Station, 2006-2010

Church of Jesus Christ of Latter Day Saints, Branch President, Navasota, Texas, 2010-2012

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