

# DERALD A. HARP

## ACADEMIC EXPERIENCE

TEXAS A&M UNIVERSITY - COMMERCE	August 2003 – present
Interim Dean, College of Agricultural Sciences and Natural Resources (CASNR)	(January 2024 – present)
Interim Associate Dean, College of Agricultural Sciences and Natural Resources	(September 2023 – December 2023)
Manager, Plant Science Center	(August 2017 – present)
Interim Director / Department Head, School of Agriculture	(March 2014 – April 2016)
SACSCOC Reaffirmation Coordinator	(September 2012 – March 2014)
Institutional Effectiveness Coordinator	(September 2013 – present)
Professor – Horticulture	(September 2015 – present)
Associate Professor – Horticulture	(September 2009 – August 2015)
Assistant Professor – Horticulture	(September 2003 – August 2009)

## Administrative

### Interim Dean (current) CASNR /

Reallocated CASNR budget to identify funding for 3.0% merit pay increase

Instituted internal research funding for interdisciplinary pilot research study (\$10,000)

Worked with faculty to adjust schedules to reduce adjunct spending by just under \$40,000 (Spring 2023 to Spring 2024)

Member of an Academic Affairs committee to evaluate and develop budgets for new faculty start-up packages

Started faculty-led initiative to develop internal methods for peer-review of instruction

Initiated new plan to seek external and donor funding to support our Plant Science Research Farm (goal \$1 million, have initial verbal commitment of \$250,000)

### Interim Director, School of Agriculture

Serve as the School of Agriculture's Chief Executive, Academic, and Integrity Officer.

Increased student headcount 32%

Increased student credit hour production overall 25%

Increased graduate student credit hour production 27%

Increased external gifts to the School by 129%

Oversaw the acquisition and construction of over \$1,000,000 in new buildings and land purchases

Developed SOPs, ACUPs, and AUPs that ensure full compliance with IACUC in all areas of animal use

Reorganized positions to create an Academic Advising center, leading to higher retention rates

Provided leadership towards new School Strategic Plan and Master Plan

Reorganized and reallocated budget to provide operational expenses to university farm

Initiated School of Agriculture travel grant program, providing partial funds for faculty travel to professional meetings

Increased A&M – Commerce participation in external communities [Agriculture Consortium of Texas (ACT), Non-land-grant agriculture and Renewable Resource Universities (NARRU)]

### **Co-Chair, University Strategic Planning Task Force**

Led development and meetings for Strategic Planning Task Force

Assisted subcommittees, as needed, in writing strategic planning drafts

Planned and led open forums in both discovery and writing phases

Developed web page and survey for constituent input and comment

Reviewed and edited, with Assoc. Provost – IE and Co-Chair, SP drafts

Prepared final version and submitted to administration

### **SACSCOC Reaffirmation Coordinator**

Led meetings for Reaffirmation Committee

Provided assignment of standards to subcommittees

Assisted authors, as needed, in writing subcommittee drafts

Wrote, reviewed and edited, with Assoc. Provost-IE, responses to standards

Prepared Compliance Certification for submission

Reviewed off-site committee report and helped assign authors

Wrote, reviewed and edited responses for the Focused Report

Provided training to off-site locations for on-site visit

Assisted with planning for on-site visit

Led to full reaffirmation of accreditation with no comments or recommendations

### **Teaching**

Ag 100 / 1131 – Introduction to  
Agriculture

Ag 300 – Writing for Publication

Ag 392 – Applied Ethics of US and  
World Agriculture

Ag 400 – Senior Seminar

Ag 597 – Microclimates in Agriculture

Ag 599 – Graduate Seminar

PLS 1115 – Introduction to  
Horticulture Lab

PLS 1315 – Introduction to  
Horticulture

PLS 230 – Ornamental Plant  
Identification

PLS 253 – Economic Entomology

PLS 305 – Landscape Design

PLS 306 – Plant Propagation

PLS 309 – Soil Science

PLS 329 – Soil Science Laboratory

PLS 355 – Interior Landscaping

PLS 430 – Greenhouse Management

PLS 450 – Landscape Management

PLS 455 – Turfgrass Management

PLS 460 – Plant Taxonomy

PLS 501 – Plant Science  
Instrumentation  
PLS 502 – Plant Nutrition

PLS 597 – Advanced Plant Taxonomy

#### Research

Control of crepe myrtle bark scale  
Green roofs for the Southern United States  
Landscape plant performance in minimal input systems (Rose, Crepe Myrtle, Herbaceous perennials and annuals)

#### Service

Community – Texas A&M AgriLife Extension Earth-Kind Leadership Team (2007-present)  
Community – Greenville Kiwanis (2022-present)  
Community – Texas Nursery and Landscape Assoc. Industry Employment Committee (2018-2019)  
Community – Agricultural Consortium of Texas, President (2014-2015)  
Professional – ASHS Awards Committee Chair (2012-2014)  
Professional – ASHS Membership Committee (2022-present)  
University – Institutional Effectiveness Leadership Team (2013 – present)  
University – QEP Leadership Team (2012 – 2017; 2023 - present)  
University – Strategic Planning Task Force, Co-Chair (2014 – 2015)  
University – SACSCOC Reaffirmation Committee, Chair (2012 – 2014)  
University – Athletics Council (2012 – 2018)  
University – Faculty Senate President (2012 – 2013)  
University – Faculty Senate Member (2006 – 2013)  
University – Provost Search Committee, Chair (2012 – 2013)  
University – Faculty Development Committee – Chair (2010 – 2012)  
University – Faculty Development Committee (2005 – 2012)  
University – University Studies Council (2005 – 2014)  
University – Budget Review and Development Council (2010 – 2012, 2014 – 2016)  
University – University Executive Council (2012 – 2016)  
University – Academic Council (2012 – 2013, 2014 – 2016)  
University – Deans' Council (2014 – 2016, 2023 - present)  
University – Academic and Student Affairs Technology Council (2009 – present)  
University – Environmental Management Advisory Council (2009 – present)

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*SOUTHEAST MISSOURI STATE UNIVERSITY*

*August 2000 – July 2003*

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Assistant Professor – Horticulture

(September 2003 – August 2009)

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#### Teaching

AG201 – World Food and Society  
HO130 – Ornamental Plants  
HO230 – Ornamental Plants II  
HO330 – Landscape Design  
HO350 – Greenhouse Management  
HO353 – Bedding Plant Production

HO355 – Interior Landscaping  
HO430 – Landscape and Turfgrass  
Management  
UI100 – Freshman Seminar  
UI344 – Plants and Humanity

#### Research

Missouri Hardiness Zone map, 2002 revision  
Evaluation of a potential new selection of *Ulmus parvifolia*  
Production fertilization methods for Pansy, Petunia, and Chrysanthemum

Service

University – Center for Scholarship in Teaching and Learning Committee  
University – Campus Planning and Beautification Committee  
Dept – Horticulture Greenhouse Committee  
Dept – Club Advisor to GCSAA, SEMO Student Chapter  
Dept – Horticulture Contact with KFVS12 TV

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WEATHERFORD COLLEGE	September 2001 – May 2002
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Adjunct Instructor – Agriculture
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Teaching

AGRI 1413 – Entomology  
AGCR 1307 – Range Management  
AGRI 2330 – Wildlife Management

**EDUCATION**

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PH.D. – HORTICULTURE	TEXAS A&M UNIVERSITY AUGUST 2000
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Edward L. McWilliams, Major Professor <i>The Dallas / Fort Worth, Tex. Winter Urban Heat Island and Cold Injury to Ornamental Plants</i>
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M.S. – GENERAL AGRICULTURE	TARLETON STATE UNIVERSITY MAY 1993
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Michael R. Wade, Major Professor <i>Hormonal Effects on the Germination Response of Chasmanthium latifolium</i>
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B.S. – HORTICULTURE AND LANDSCAPE MANAGEMENT	TARLETON STATE UNIVERSITY DECEMBER 1989
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Michael R. Wade, Advisor <i>Evaluation of Tall Fescue Varieties for Stephenville, Tex. (Sr. Research Project)</i>
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**GRADUATE COMMITTEES CHAIRED AND SERVICE**

Committees Chaired

Beatriz Ruiz, MS Thesis. *Flowering in Crepe Myrtle as Affected by Crepe Myrtle Bark Scale and Sooty Mold* (in progress)

Kara Bailey, MS Thesis. *Morphologic and Physiologic Factors of Landscape Perennials as Related to Pollinator Visits*. (Completed December 2022)

Brayden Inchcliff, Honors Thesis. *Irrigation Practice and Techniques in California Almond Orchards: Benefits and Challenges* (Completed, December 2022)

Taryn Bazhaw. MS Thesis. *Factors Influencing Honeybee (*Apis mellifera* L.) Visits to Crepe Myrtle (*Lagerstroemia indica*)*. (Completed, December 2020).

Michaela Bledsoe. MS Thesis. *Factors Influencing College Students' Propensity to Pursue Horticulture as a Career*. (Completed, December 2020)

Kevin Chretien. MS Thesis. *Performance of Black Diamond Crepe Myrtle in North Texas*. (Completed, May 2018)

Olukunle Kolade. MS Thesis. *The Effect of Zinc Fertilizer on Growth and Nutrition*. (Completed, August 2017)

Cheng Chen. MS Thesis. *Seed Germination in Green Roof Media*. (Completed, August 2013)

Barbara Villarreal. MS Thesis. *Evaluation of Northern Roses in Minimal Input Conditions in Texas*. (Completed, December 2010)

Chelsea Suttle. MS Thesis. *Evaluation of Landscape Plants for Green Roof Gardens in Texas*. (Completed, December 2009)

Brittney Junell. MS Thesis. *Novelty Tall Fescue Effects on Goat Performance and Prolactin Levels*. (Completed, December 2008)

#### Committees Served

Andrew Savage. MS Thesis (Biology) *Changes in Phenology and Reproductive Cycles in Frogs as Affected by Urban Heat Islands*. (in progress)

Sona Grigoryan. MS Thesis. *U.S. Demand for Citrus Beverages*. (Completed, December 2018)

Johnathan Garrett. MS Thesis. *Utilization of Various Fertilizer Applications Rates and a Biostimulant to Improve Biomass Yield and Nutrient Composition in Oat Hay*. (Completed, December 2015)

Barton Day. MS Thesis. *Determination of ACCase Tolerance in Italian Ryegrass (*Lolium multiflorum*) in Northeast Texas*. (Completed, August 2013)

Niccole Rech. MS Thesis. *Morphological Characterization and Fungicide Sensitivity of Isolates of *Phytophthora capsici* (Leonian) from Texas*. (Completed, December 2010)

LeAnn Nash. Ph.D. Dissertation. *Modernizing the Mythic Figure: Conrad's Marlow as Recasting of Chretien's Perceval*. (Completed, May 2010)

Adelene Martell. MS Thesis. *Harvest Dates Affecting Switchgrass Yield and Nutrient Content and Effects of Anhydrous Ammonia Treatment for Increasing Nutrient Content and Digestibility Rates*. (Completed, August 2008)

Wayne Becker, MS Thesis. *Anhydrous Ammonia Injection into Polyethylene Silage Bags to Enhance Forage Quality Attributes*. (Completed, August 2005)

## REFEREED PUBLICATIONS

Harp, Derald A., Michaela Bledsoe, Beatriz Ruiz, Taryn Bazhaw, Martin Mendieta, Canaan Sutton, and Pedro Castillo. 2022. An assessment of mechanical pest control methods in an urban landscape. *Acta Horti*. 1345: 309-314.

Bazhaw, Taryn, David Drake, Johanna Delgado-Acevedo, and Derald A. Harp. 2021. Factors influencing honeybee (*Apis mellifera* L.) visits to crepe myrtle (*Lagerstroemia* sp.). *J. Env. Hort*. 39:143-149.

Bledsoe, Michaela, Rafael Bakhtavoryan, Keith Frost, and Derald Harp. 2021. Factors influencing the propensity of college students in introductory horticulture and plant science courses in Texas to pursue a career in horticulture. *NACTA J*. 65: 360-365.

Harp, Derald, K. Chretien, M. Brown, C. Jones, and J. Lopez-Serrano. 2021. Landscape performance of ebony crepe myrtles (*Lagerstroemia indica*) in low-input landscapes in north-central Texas. *HortTechnology* 31:234-240. <https://doi.org/10.212273/HORTTECH04748-20>.

Grigoryan, Sona, Jose A. Lopez, Derald Harp, Carlos Carpio, and Frannie Miller. 2020. U.S. demand for citrus beverages. *Tex. J. Ag. Nat. Res*. 33:8-24.

Harp, Derald, Gaye Hammond, David C. Zlesak, Greg Church, Mark Chamblee, and Steve George. 2020. Landscape performance of Buck roses under minimal-input conditions in north-central Texas. *HortTechnology* 30:231-237.

Harp, Derald, Gaye Hammond, David C. Zlesak, Greg Church, Mark Chamblee, and Steve George. 2019. Flowering, drought and disease tolerance, and landscape performance of landscape roses grown under low input conditions in north-central Texas. *HortTechnology* 29:234-240.

Kolade, Olukunle, Derald A. Harp, Curtis Jones, and Jose Lopez. 2019. Effects of zinc fertilization on growth and leaf nutrient content of *Celosia argentea*. *J. Appl. Hort* 20:202-206.

Aydin, B., S. Kim, and D. Harp. 2018. Designing an automated sustainable green roof system. *Proc. IISE Ann. Conf*. 251-256.

Hammond, Gaye, Steven George, Derald Harp, John Peters, David C. Zlesak, and Larry Stein. 2017. True independence is the best approach in rose trialing. *American Rose Nov/Dec* 2017: 44-48.

Zlesak, D.C., R. Nelson, D.Harp, B.Villarreal, N. Howell, J. Griffin, G. Hammond, and S. George. 2017. Performance of twenty landscape roses grown under minimal input conditions in the north-central, central, and south-central United States. *HortTechnology* 27: 718-730.

Harp, Derald A., Keisha Kay, David C. Zlesak, and Steve George. 2015. The effect of root size on drought stress tolerance and landscape plant performance. *Tex. J. Ag. Nat. Res*. 28: 82-88.

Harp, Derald A., Cheng Chen and Curtis Jones. 2015. Seed germination of perennial flower species in green roof media. *HortTechnology* 25 (2): 221 – 227.

Zlesak, D.C., D.A. Harp, K. Zuzek, J.J. Sloan, A. Owings and S.W. George. 2015. Earth-Kind Rose Trialing: An International Model for the Identification of Regionally-Adapted Landscape Roses. *Acta Hort* 1064: 123 – 129.

Harp, Derald A. and Chris Dunlap. 2012. Thermal Performance of Green Roofs in Texas. *Proc. of the Southern Nursery Assoc. Res. Conf.* 56: 212-215.

Junell, Brittney, Derald A. Harp, Joe Bouton, and Pat Bagley. 2011. Goat Performance and Prolactin Levels as Affected by Tall Fescue Toxicosis. *Tex. J. Ag. Nat. Res.* 24:88-96.

Ampim, Peter A.Y., John J. Sloan, Raul I. Cabrera, Derald A. Harp, and Fouad H. Jaber. 2010. Green Roof Growing Substrates: Types, Ingredients, Composition, and Properties. *J. Env. Hort.* 28(4): 244-252.

Harp, Derald A. and Lance Nice. 2010. Effect of Fertilizer Type on Green Roof Runoff. *Proceedings of the Southern Nursery Association Research Conference.* 55: 76-80.

Harp, Derald A. and Lauren Gerber. 2010. Auxin Effects on Root Formation in Cuttings of Hardy Ice Plant (*Delosperma cooperi*). *Proceedings of the Southern Nursery Association Research Conference.* 55: 307-308.

Harp, Derald A., David Zlesak, Gaye Hammond, Steve George, and Wayne Mackay. 2009. EarthKind™ rose trials – Identifying the world's strongest, most beautiful landscape roses. *Floriculture and Ornamental Biotechnology.* 3 (Special Issue 1): 166-175.

Harp, Derald A. and Chelsea Suttle. 2009. Performance of Ornamental Groundcovers and Perennials in Texas Green Roof Gardens. *Proceedings of the Southern Nursery Association Research Conference* 54: 240-244.

Harp, Derald A., David Zlesak, Steve George, and Gaye Hammond. 2009. EarthKind™, A National Evaluation of Garden Roses in Minimal Input Conditions. *Proceedings of the Southern Nursery Association Research Conference* 54: 265 – 269.

Harp, Derald A., David Kee, Kristen Herschler, Kevin Ong, and John Sloan. 2008. Compost type affects bermudagrass (*Cynodon dactylon* (L.) Pers.) invasion. *Tex. J. Ag. Nat. Res.* 21: 82-88.

Harp, Derald A., David Colbert, and Hanan Gopffarth. 2008. Effect of Geotextiles on Soil pH, Organic Matter, and Macronutrient Availability. *Proceedings of the Southern Nursery Association Research Conference* 53: 430-432.

Harp, Derald A. and Steven Pulatie. 2008. Preliminary Evaluation of Landscape Plants for Use on Green Roofs in Texas. *Proceedings of the Southern Nursery Association Research Conference* 53: 433-435.

Harp, Derald A. and Steven Pulatie. 2008. Nitrogen Level Affects Growth and Quality of Ornamental White Clover. *Subtropical Plant Science J.* 60: 8-12.

Harp, Derald A., Jennifer Green and Kevin Ong. 2007. Phytophthora Disease Incidence Comparison in Composted Pine Bark Mixes to Chemical and Biological Controls. *Proceedings of the 2007 Southern Nurseryman Association Research Conference* p. 510-512.

Harp, Derald A. and Steven Pulatie. 2007. Greenhouse Fertilizer Requirements for Ornamental Varieties of White Clover. Proceedings of the 2007 Southern Nurseryman Association Nursery Conference p. 513-517.

Becker, W.D., B.C. Housewright, D.A. Harp, C.P. Bagley and M.E. McCormick. 2007. Anhydrous Ammonia Injection into Polyethylene Silage Bags to Enhance Forage Quality Attributes. Texas. J Ag Nat Res. 20: 91-97.

Becker, W.D., C.P. Bagley, B. Housewright, and D. Harp. 2006. Injecting Anhydrous Ammonia into Polyethylene Silage Bags to Enhance Forage Quality Attributes and Measure Silage Preference by Heifers. Proceedings of the American Forage and Grassland Council Research Conference 15: 265-269.

Harp, Derald A., Kenneth Byrd, Lonna Jochetz, and Demorise Smith. 2005. Comparison of Slow-Release and Water-Soluble Fertilizers for Greenhouse Production of Impatiens, Dianthus, and Pansy. Proceedings of the 2005 Southern Nurseryman Association Research Conference p. 48-50.

Harp, Derald A., Kevin Ong, and Kristen McDowell. 2005. Influence of Compost Type on Bermudagrass Invasion. Proceedings of the 2005 Southern Nurseryman Association Research Conference p. 475-476.

Wilson, M.A., C. Stevens, D. Harp, and V. A. Khan. 2003. Influence of NutriPak Fertilizer on Yield of 'Better Boy' Tomatoes in Southeast Missouri. American Society for Plasticulture Congress Proceedings.

Harp, Derald A., Mack A. Wilson, and Travis J. Stevens. 2002. Comparison of Slow-Release and Water Soluble Fertilizers for Pansy Production. Proceedings of the 2001 Southern Nurseryman Association Research Conference.

Wilson, Mack A., Derald A. Harp, Clauzell Stevens, and Victor Khan. 2002. Effect of Nutramist on Growth of Begonias and Impatiens. Proceedings of the 2002 Southern Nurseryman Association Research Conference.

Harp, Derald A., Edward L. McWilliams, Mike A. Arnold, and John F. Griffiths. 2002. An Updated Hardiness Zone Map for Dallas/Fort Worth, Texas. HortTechnology 12:4

Wilson, Mack A., Derald A. Harp. V.A. Khan, and C. Stevens. 2002. Effect of NutriPak Fertilizer on Yield of Potatoes in Missouri. Proceedings of the 30<sup>th</sup> Annual Agricultural Plastics Congress. pp. 9-12.

Harp, Derald A. 1995. Use of Seaweed and Seaweed Extracts as a Foliar Fertilizer. Horticultural Crops Plant Nutrition Series, Vol VII., Texas A&M University, J. Benton Storey (ed.) pp. 29-42.

## **ABSTRACTS**

Bazhaw, T., B. Ruiz, M. Bledsoe, C. Sutton, M. Mendieta, and D. Harp. 2021. Factors influencing honeybee (*Apis mellifera*) visits to crepe myrtle (*Lagerstroemia indica*). HortScience 56(9) Supplement:S165 (abstr.).



Ruiz, B., M. Bledsoe, C. Sutton, M. Mendieta, P. Castillo, and D. Harp. 2021. Mechanical control of crepe myrtle bark scale (*Acanthococcus lagerstroemiae*). HortScience 56(9) Supplement:S166 (abstr.).

Sutton, C., T. Bazhaw, M. Mendieta, M. Bledsoe, and D.A. Harp. 2020. Honeybee (*Apis mellifera*) visits to crapemyrtle (*Lagerstroemia indica*) vary according to proximity to pollinator-friendly plants. HortScience 55:S415 (abstr.).

Xie, R., B. Wu, M.E. Merchant, E. Vafaie, Y. Chen, D. Held, G.W. Knox, Y. Zhang, J. Robbins, D. Harp, and M. Gu. 2020. Systematic strategies to manage crapemyrtle bark scale (*Acanthococcus lagerstroemiae*). HortScience 55:S415 (abstr.).

Bazhaw, T., C. Sutton, M. Mendieta, M. Bledsoe, and D.A. Harp. 2020. Honeybee (*Apis mellifera*) visits to crapemyrtle (*Lagerstroemia indica*) vary according to cultivar and month. HortScience 55:S415-416 (abstr.).

M. Bledsoe, T. Bazhaw, C. Sutton, M. Mendieta, and D. Harp. 2020. Mechanical control of crapemyrtle bark scale (*Acanthococcus lagerstroemiae*). HortScience 55:S416 (abstr.).

M. Mendieta, M. Bledsoe, C. Sutton, T. Bazhaw, and D.A. Harp. 2020. A comparison of pan traps to insect transects for pollinator monitoring in crapemyrtle (*Lagerstroemia indica* L.). HortScience 55:S417 (abstr.).

Myrick, G., D.A. Harp, S. George, T. Williams, A. Sandifeer and S. Spearman. 2018. Long-term effects of compost on landscape soils and performance of warm-season annuals. HortScience 53:S483 (abstr.).

Chretien, K and D.A. Harp. 2018. Leaf temperature, photosynthesis, and stomatal conductance in dark-foliaged crape myrtles in North Texas. HortScience 53:S482 (abstr.).

Chretien, K. and D.A. Harp. 2018. Location effects on crape myrtle bark scale incidence. HortScience 53:S457 (abstr.).

Harp, Derald A., Todd Williams, Aimee Sandifeer, and Steve George. 2017. Long-term performance of cool-season annuals fertilized with slow-release fertilizer or compost. HortScience 52(9) S50 (abstr.).

Kolade, Olukunle and Derald A. Harp. 2017. Effect of zinc fertilizer on celosia plant growth and leaf nutrition. HortScience 52(9) S48 (abstr.).

Harp, Derald A., Chie Hosotani, Kevin Chretien, David Zlesak, and Steve George. 2017. Temperature, moisture content, CO<sub>2</sub> assimilation and stomatal conductance in leaf black damaged rose leaves. HortScience 52(9) S50-S51 (abstr.).

Chretien, Kevin and Derald A. Harp. 2017. Performance of Black Diamond Crepe Myrtles (*Lagerstroemia indica* L.) in Northeast Texas. HortScience 52(9) S38 (abstr.).

Kolade, Olukunle, M.O. Fawole, J. Lopez, and Derald A. Harp. 2016. Evaluation of zinc and phosphorus fertilizer on Celosia grown in Nigeria. HortScience 51(9): S44 (abstr.).

Derald A. Harp, M. McPherson, and K. Chretien. 2016. Landscape fabric performance and effect on soil organic matter. HortScience 51(9): S44-S45 (abstr.).

Harp, Derald A., Steve George, Greg Church, John Sloan, Dinesh Adhikary, Josephine Taylor, Dennis Gravat, and David Zlesak. 2014. Leaf Blackening – A New Physiological Disorder in Rose. HortScience 49(9): S31-S32 (abstr.).

Harp, Derald A. and Cheng Chen. 2014. Seed Germination in Green Roof Media. HortScience 49(9): S31 (abstr.).

Church, Gregory, David C. Zlesak, Derald A. Harp, Kim Schofield, John Sloan, Gaye Hammond, Pam Smith, and Steve George. 2012. Response of Selected Roses to Low-input Cultural Practices, High Disease Pressure, and Severe Heat and Drought Conditions. HortScience 47(9): S230-S231 (Abstr.).

Kay, Kiesha, Derald A. Harp, David C. Zlesak, and Steve George. 2012. The Effect of Root Size on Drought Stress and Landscape Performance of Roses during a Severe Drought. HortScience 47(9): S350 (Abstr.).

Harp, Derald A. and Chris Dunlap. 2012. Media CO<sub>2</sub> Flux in a Texas Extensive Green Roof. HortScience 47(9): S24 (Abstr.).

Grimsley, Andrea and Derald A. Harp. 2012. The Limited Effect of Fertilizer Type and Nutritional Status on Growth of *Salvia leucantha* during Drought and Heat Stress. HortScience 47(9): S54 (Abstr.).

Blackburn, Charle, Derald Harp, and Jim Heitholt. 2012. Effect of Extreme Heat and Drought on Rabbiteye Blueberry (*Vaccinium virgatum*) Yields in Northeast Texas. HortScience 47(9): S55 (Abstr.).

Zlesak, David, James Griffin, Derald Harp, Kathleen Cue, Nick Howell, Tamla Blunt, Randy Nelson, and Steven George. 2008. Initiation of the Northern EarthKind™ Rose Trial. HortScience 43(4): 1144-1145 (Abstr.).

Harp, Derald A., Raul I. Cabrera, Wayne A. Mackay, John J. Sloan, and Michael A. Arnold. 2008. Preliminary Evaluation of Open-Cell Foam for Extensive Green Roof Systems in Texas. HortScience 43(3): 613 (Abstr.).

Harp, Derald A. and Steven Pulatie. 2008. Effect of Varying Nitrogen Levels on Greenhouse Growth and Quality of Ornamental White Clover. HortScience 43(3): 627 (Abstr.).

Harp, Derald A., David Colbert, and Hanan Gopffarth. 2008. Variation in Organic Matter and Macronutrient Availability in Landscape Soils Under Landscape Fabric. HortScience 43(3): 626 (Abstr.).

Harp, Derald A., Jennifer Green, and Kevin Ong. 2006. Comparison of Phytophthora Disease Incidence in Composted Pine Bark Mixes to Chemical and Biological Controls. HortScience 41(4) (Abstr.).

Taylor, Shadd, Derald A. Harp, Kristen L. McDowell and Roque Lemus. 2005. Quantifying Landscape Microclimates and Related Cold Injury. *HortScience* 40(4)

McDowell, Kristen L., Kevin Ong, and Derald A. Harp. 2004. Effect of Compost Type on Bermudagrass Invasion. *HortScience* 39(4)

Harp, Derald A. and Edward L. McWilliams. 1998. Urban Influences on Local Plant Hardiness Zones. *HortScience* 33(3): 540 (Abstr.)

Harp, Derald A. and Edward L. McWilliams. 1997. The Influence of Vegetation on UHIs, MUHIs, and Microclimates of Selected Southern Cities. *HortScience* 32(3):508 (Abstr.)

Harp, Derald A. and Edward L. McWilliams. 1996. Urban Mesoclimate Effect on Winter Survival and Cold Damage of Ornamental Species in Fort Worth, Texas. *HortScience* 31(4):661. (Abstr.)

Harp, Derald A. and Edward L. McWilliams. 1996. Remote Sensing Imagery On The World Wide Web and Its Potential For Use In Horticulture Classes. *HortScience* 31(4):589. (Abstr.)

Harp, Derald A., Michael Wade, D.F. Gilman, and John Calahan. 1995. Effects of Kinetin, Gibberellic Acid, and Potassium Nitrate on the Germination of *Chasmanthium latifolium*. *HortScience* 30(4). (Abstr.)

Harp, Derald A. and Edward L. McWilliams. 1995. Evaluation of Water Hyacinth (*Eichornia crassipes* (Mart.) Solms-Lamb) for the Removal of Nitrogen in Nursery Runoff. *HortScience* 30(3):433. (Abstr.)

### **CLASS RELATED PUBLICATIONS**

Harp, Derald A., Curtis Jones, Roque Lemus, Kristen Herschler, and Daniel Hathcoat. 2014. *Soil Science Laboratory Manual, 4<sup>th</sup> edition*.

Harp, Derald A. 2018. *Introduction to Horticulture Laboratory Manual. 4th edition*.

Harp, Derald A. 2006. *Landscape Plants for Northeast Texas*.

### **PRESENTATIONS AND POSTERS**

Ruiz, B., P. Alvarez, J. Parsons, and D.A. Harp. 2022. Flowering in 'Natchez' crepe myrtle (*Lagerstroemia × fauriei* 'Natchez') in relation to crepe myrtle bark scale (*Acanthococcus lagerstroemiae*) and sooty mold (*Capnodium* sp.). American Society for Horticultural Science – Southern Region – New Orleans, LA.

Castillo, P. T. Bazhaw, M. Bledsoe, and D.A. Harp. 2022. Use of high nitrate, deammonified water for nursery production of summer annuals. American Society for Horticultural Science – Southern Region – New Orleans, LA.

Alvarez, P., S. George, and D.A. Harp. 2022. Comparison of slow-release fertilizer and long-term composting for performance of cool and warm-season annuals. American Society for Horticultural Science – Southern Region – New Orleans, LA.

Wynne, M. and D.A. Harp. 2022. Greenhouse growth of Hosta and Salvia in peat-lite, wood fiber, and coir substrates. American Society for Horticultural Science – Southern Region – New Orleans, LA.

Sutton, C., T. Bazhaw, M. Mendieta, M. Bledsoe, and D.A. Harp. 2020. Honeybee (*Apis mellifera*) visits to crapemyrtle (*Lagerstroemia indica*) vary according to proximity to pollinator-friendly plants. American Society for Horticultural Science – Southern Region, Louisville, KY.

Xie, R., B. Wu, M.E. Merchant, E. Vafaie, Y. Chen, D. Held, G.W. Knox, Y. Zhang, J. Robbins, D. Harp, and M. Gu. 2020. Systematic strategies to manage crapemyrtle bark scale (*Acanthococcus lagerstroemiae*). American Society for Horticultural Science – Southern Region, Louisville, KY.

Bazhaw, T., C. Sutton, M. Mendieta, M. Bledsoe, and D.A. Harp. 2020. Honeybee (*Apis mellifera*) visits to crapemyrtle (*Lagerstroemia indica*) vary according to cultivar and month. American Society for Horticultural Science – Southern Region, Louisville, KY.

M. Bledsoe, T. Bazhaw, C. Sutton, M. Mendieta, and D. Harp. 2020. Mechanical control of crapemyrtle bark scale (*Acanthococcus lagerstroemiae*). American Society for Horticultural Science – Southern Region, Louisville, KY.

M. Mendieta, M. Bledsoe, C. Sutton, T. Bazhaw, and D.A. Harp. 2020. A comparison of pan traps to insect transects for pollinator monitoring in crapemyrtle (*Lagerstroemia indica* L.). American Society for Horticultural Science – Southern Region, Louisville, KY.

Aydin, B., S. Kim, and D. Harp. 2018. Designing an automated sustainable green roof system. Institute of Industrial and System Engineers. Orlando, FL.

Myrick, G., D.A. Harp, S. George, T. Williams, A. Sandifeer and S. Spearman. 2018. Long-term effects of compost on landscape soils and performance of warm-season annuals. American Society for Horticultural Science – Southern Region, Jacksonville, FL.

Chretien, K and D.A. Harp. 2018. Leaf temperature, photosynthesis, and stomatal conductance in dark-foliaged crape myrtles in North Texas. American Society for Horticultural Science – Southern Region, Jacksonville, FL.

Chretien, K. and D.A. Harp. 2018. Location effects on crape myrtle bark scale incidence. American Society for Horticultural Science – Southern Region, Jacksonville, FL.

Harp, Derald A., Todd Williams, Aimee Sandifeer, and Steve George. 2017. Long-term performance of cool-season annuals fertilized with slow-release fertilizer or compost. American Society for Horticultural Science – Southern Region, Mobile, AL.

Kolade, Olukunle and Derald A. Harp. 2017. Effect of zinc fertilizer on celosia plant growth and leaf nutrition. American Society for Horticultural Science – Southern Region, Mobile, AL.

Harp, Derald A., Chie Hosotani, Kevin Chretien, David Zlesak, and Steve George. 2017. Temperature, moisture content, CO<sub>2</sub> assimilation and stomatal conductance in leaf black damaged rose leaves. American Society for Horticultural Science – Southern Region, Mobile, AL.

Chretien, Kevin and Derald A. Harp. 2017. Performance of Black Diamond Crepe Myrtles (*Lagerstroemia indica* L.) in Northeast Texas. American Society for Horticultural Science – Southern Region, Mobile, AL.

Kolade, Olukunle, M.O. Fawole, J. Lopez, and Derald A. Harp. 2016. Evaluation of zinc and phosphorus fertilizer on Celosia grown in Nigeria. American Society for Horticultural Science – Southern Region, San Antonio, Tex.

Derald A. Harp, M. McPherson, and K. Chretien. 2016. Landscape fabric performance and effect on soil organic matter. American Society for Horticultural Science – Southern Region, San Antonio, Tex.

Harp, Derald A., Steve George, Greg Church, John Sloan, Dinesh Adhikary, Josephine Taylor, Dennis Gravat, and David Zlesak. 2014. Leaf Blackening – A New Physiological Disorder in Rose. American Society for Horticultural Science – Southern Region, Dallas, Tex.

Harp, Derald A. and Cheng Chen. 2014. Seed Germination in Green Roof Media. American Society for Horticultural Science – Southern Region, Dallas, Tex.

Church, Gregory, David C. Zlesak, Derald A. Harp, Kim Schofield, John Sloan, Gaye Hammond, Pam Smith, and Steve George. 2012. Response of Selected Roses to Low-input Cultural Practices, High Disease Pressure, and Severe Heat and Drought Conditions. American Society for Horticultural Science Annual Meeting, Miami, FL.

Kay, Kiesha, Derald A. Harp, David C. Zlesak, and Steve George. 2012. The Effect of Root Size on Drought Stress and Landscape Performance of Roses during a Severe Drought. American Society for Horticultural Science Annual Meeting, Miami, FL.

Grimsley, Andrea and Derald A. Harp. 2012. The Limited Effect of Fertilizer Type and Nutritional Status on Growth of *Salvia leucantha* during Drought and Heat Stress. American Society for Horticultural Science – Southern Region, Birmingham, AL.

Blackburn, Charle, Derald Harp, and Jim Heitholt. 2012. Effect of Extreme Heat and Drought on Rabbiteye Blueberry (*Vaccinium virgatum*) Yields in Northeast Texas. American Society for Horticultural Science – Southern Region, Birmingham, AL.

Dunlap, Christopher and Derald A. Harp. 2010. CO<sub>2</sub> Efflux from Green Roof Growing Media. 2010 Texas A&M University System Pathways Research Symposium.

Villarreal, Barbara, Christopher Dunlap, Derald A. Harp, David Zlesak, Steve George, and Gaye Hammond. 2009. Initiation of the Northern Earth-Kind Rose Trial. 2009 Texas A&M University System Pathways Research Symposium.

Dunlap, Christopher, Megan McGuffey, Barbara Villarreal, Derald A. Harp, Ben Cranor, and David Anderson. 2009. Thermal Evaluation of Green Roofs. 2009 Texas A&M University System Pathways Research Symposium.

VanGundy, Angela, Chelsea Suttle, and Derald A. Harp. 2008. Evapotranspiration Rates of Green Roof Species in Texas. 2008 Texas A&M University System Pathways Research Symposium.

Suttle, Chelsea and Derald A. Harp. 2008. Evaluation of Landscape Plants for Use on Green Roofs in Texas. 2008 Texas A&M University System Pathways Research Symposium.

Junell, Brittney, Derald A. Harp, Joe H. Bouton, and David C. Crenshaw. 2008. Goat Performance and Prolactin Levels as Affected by Tall Fescue Toxicosis. 2008 Texas A&M University System Pathways Research Symposium.

Zlesak, David, James Griffin, Derald Harp, Kathleen Cue, Nick Howell, Tamla Blunt, Randy Nelson, and Steven George. 2008. Initiation of the Northern EarthKind® Rose Trial. American Society for Horticultural Science National Meeting. Orlando, Fla, July 21-24, 2008.

Harp, Derald A., Raul I. Cabrera, Wayne A. Mackay, John J. Sloan, and Michael A. Arnold. 2008. Preliminary Evaluation of Open-Cell Foam for Extensive Green Roof Systems in Texas. American Society for Horticultural Science – Southern Region meeting. Dallas, Tex., Feb 2-5, 2008.

Harp, Derald A. and Steven Pulatie. 2008. Effect of Varying Nitrogen Levels on Greenhouse Growth and Quality of Ornamental White Clover. American Society for Horticultural Science – Southern Region meeting. Dallas, Tex., Feb 2-5, 2008.

Harp, Derald A., David Colbert, and Hanan Gopffarth. 2008. Variation in Organic Matter and Macronutrient Availability in Landscape Soils Under Landscape Fabric. American Society for Horticultural Science – Southern Region meeting. Dallas, Tex., Feb 2-5, 2008.

Junell, Brittney, Joe H. Bouton, C. Pat Bagley, Derald A. Harp and Byron C. Housewright. 2007. Novelty Tall Fescue Effects on Goat Performance and Prolactin Levels. 5<sup>th</sup> Annual Texas A&M University System Student Research Symposium, Nov 2-3, 2007.

Colbert, David, Hanan Gopffarth, and Derald A. Harp. 2007. Effect of Geotextiles on Soil pH, Organic Matter, and Macronutrient Fertility. 5<sup>th</sup> Annual Texas A&M University System Student Research Symposium Nov 2-3, 2007.

Pulatie, Steven, Derald A. Harp, Raul I. Cabrera, John J. Sloan, and Michael A. Arnold. 2007. Preliminary Evaluation of Extensive Green Roof Systems for Texas. 5<sup>th</sup> Annual Texas A&M University System Student Research Symposium Nov 2-3, 2007.

Harp, Derald A. 2007. Urban Heat Islands and Horticulture: Causes, Effects and Solutions. 2007 Sigma Xi Research Conference.

Harp, Derald A., Jennifer Green and Kevin Ong. 2007. Phytophthora Disease Incidence Comparison in Composted Pine Bark Mixes to Chemical and Biological Controls. 2007 Southern Nurseryman Association Nursery Conference, Atlanta, GA.

Harp, Derald A. and Steven Pulatie. 2007. Greenhouse Fertilizer Requirements for Ornamental Varieties of White Clover. 2007 Southern Nurseryman Association Nursery Conference, Atlanta, GA.

Harp, Derald A. 2006. Tree Canopy Microclimates and Winter Injury to Woody Ornamentals. American Society for Horticultural Science Southern Region Meeting. Orlando, FL

Green, Jennifer, Derald A. Harp, and Kevin L. Ong. 2006. Comparison of *Phytophthora* Disease Incidence in Composted Pine Bark Mixes to Chemical and Biological Controls. American Society for Horticultural Sciences Annual Conference. New Orleans, LA

Richardson, Jade, Jeff Kopachena, and Derald A. Harp. 2006. Analyses of Soil Properties Associated with Nest Sites in Interior Least Terns. Texas Wildlife Society Annual Meeting. Corpus Christi, TX

Harp, Derald A., Kenneth Byrd, Lonna Jochetz, and Demorise Smith. 2005. Comparison of Slow-Release and Water-Soluble Fertilizers for Greenhouse Production of Impatiens, Dianthus, and Pansy. 2005 Southern Nurseryman Association Research Conference. Atlanta, GA

Harp, Derald A., Kevin Ong, John Sloan, and Kristen McDowell. 2005. Influence of Compost Type on Bermudagrass Invasion. 2005 Southern Nurseryman Association Research Conference. Atlanta, GA

Taylor, Shadd, Derald A. Harp, Kristen L. McDowell and Roque Lemus. 2005. Quantifying Landscape Microclimates and Related Cold Injury. American Society for Horticultural Sciences Annual Conference. Las Vegas, NV

McDowell, Kristen L., Kevin Ong, and Derald A. Harp. 2004. Effect of compost type on Bermudagrass Invasion. American Society for Horticultural Sciences, National Conference. Orlando, FL

Harp, Derald A., Mack A. Wilson, and Travis J. Stevens. 2002. Comparison of Slow-Release and Water Soluble Fertilizers for Pansy Production. 2002 Southern Nursery Association Research Conference, Atlanta, GA

Wilson, Mack A., Derald A. Harp, Clauzell Stevens, and Victor Khan. 2002. Effect of Nutramist on Growth of Begonias and Impatiens. Southern Nursery Association Research Conference, Atlanta, GA

Wilson, M.A., D. Harp, C. Stevens, and V. Khan. 2002. Influence of NutriPak Fertilizer on Yield of Potatoes. Missouri Academy of Science.

Harp, Derald A. and Edward L. McWilliams. 1998. Urban Influences on Local Plant Hardiness Zones. American Society for Horticultural Sciences – Southern Region Conference, New Orleans, LA.

Harp, Derald A. and Edward L. McWilliams. 1997. The Influence of Vegetation on UHIs, MUHIs, and Microclimates of Selected Southern Cities. American Society for Horticultural Sciences – Southern Region Conference, New Orleans, LA.

McWilliams, Edward L. and Derald A. Harp. 1997. Climatic Fluctuation, Dispersal and the Invasion Lag Phase of Exotic Plants on the TAMU Campus. Amer. Assoc. Adv. Sci., Southwestern and Rocky Mountain Division Regional Meeting.

Harp, Derald A. and Edward L. McWilliams. 1996. Urban Mesoclimate Effect on Winter Survival and Cold Damage of Ornamental Species in Fort Worth, Texas. American Society for Horticultural Science Annual Meeting, Lexington, KY.

Harp, Derald A. and Edward L. McWilliams. 1996. Remote Sensing Imagery On The World Wide Web and Its Potential For Use In Horticulture Classes. American Society for Horticultural Science Annual Meeting, Lexington, KY.

Harp, Derald A., Michael Wade, D.F. Gilman, and John Calahan. 1995. Effects of Kinetin, Gibberellic Acid, and Potassium Nitrate on the Germination of *Chasmanthium latifolium*. American Society for Horticultural Science Annual Meeting, Montreal, Can.

Harp, Derald A. and Edward L. McWilliams. 1995. Evaluation of Water Hyacinth (*Eichornia crassipes* (Mart.) Solms-Lamb) for the Removal of Nitrogen in Nursery Runoff. American Society for Horticultural Science Annual Meeting, Montreal, Can.

## **GRANTS**

### **2021**

Harp, D. and A. Mitchell. Plant DRIPS – Plant Drought Response and Insect Pollinator Studies at Texas A&M University – Commerce and Tarleton State University. USDA-NIFA-NLGCA \$299,856 (funded)

Jang, B., L. Guo, and D. Harp. MRI: Acquisition of Agilent 5900 SVDV ICP-OES. PC controlled Synchronous Vertical Dual View Inductively Coupled Plasma - Optical Emission Spectrometer incorporating Agilent's unique Dichroic Spectral Combiner. \$103,996 (not funded)

Williams, B., D. Djidonou, D. LaVergne, and D. Harp. Preparing Leaders and Advocates for Teaching and Extension in Sustainable Agriculture and Food Systems. \$164,000 (not funded)

### **2020**

Harp, D. Plant Growth Trials using Fritz Industries Nitrate Effluent (FINE). Fritz Industries, Inc. \$14,037 (funded)

Williams, B., D. Djidonou, D. LaVergne, and D. Harp. Preparing Leaders and Advocates for Teaching and Extension in Sustainable Agriculture and Food Systems. USDA-NIFA-NNF \$164,000 (not funded)

### **2019**

Harp, D. Graduate Assistant – Research for Horticulture – Expectations and Outcomes. Presidential GAR Initiative. \$21,000 (funded)

Harp, D. Plant Drips (Drought Response And Insect Pollinator Studies) At Texas A&M University – Commerce USDA-NIFA-NLGCA \$149,722 (not funded)

### **2018**

Harp, Derald and Steve George (2018 – 2021) Earth-Kind Environmental Landscape Plant Evaluation and Horticultural Education at Texas A&M University-Commerce. USDA-NIFA-NLGCA, \$299,586 (Not funded)

Owen, M., D. Eborn, and D. Harp (2018 – 2021) Installation of a Muscadine Vineyard for Research in Livestock, Plant Evaluation, and Education USDA-NIFA-NLGCA, \$298,745 (Not funded)

### **2017**

Gu, MengMeng, Y. Zhang, E. Vafaie, Y. Chen, A. Owings, G. Knox, D. Held, K. Heinz, D. Harp, J. Woolley, R. Diaz, S. Arthurs. (2017 – 2021) Systematic Strategies to Manage Crapemyrtle Bark



Scale: An Emerging Exotic Pest. USDA-NIFA-SCRI, \$3,279,861 (\$92,966 to A&M – Commerce) (Funded August 2017)

Harp, Derald and Steve George. (2017 – 2020) U.S. Department of Agriculture, National Institute of Food and Agriculture, Capacity Building Grants for Non-Land Grant Colleges of Agriculture (NLGCA) Program. Creating a center for Earth-Kind™ Environmental Landscape Plant Evaluation and Horticultural Education. \$299,586 (Not Funded)

Harp, Derald and Curtis A. Jones. (2017 – 2020) USDA – NIFA Higher Education Challenge Grants. A Plant Science Mission for Mars, A Signature Course in Plant Science – Increasing Student Recruitment in Plant Sciences, Agriculture, and STEM. \$149,532 (Not funded)

## **2012**

Tyler Parks and Recreation, *Establishment of the Chamblee Earth-Kind Rose Garden*, \$150,000  
Columbus, Ohio Parks and Recreation Department, *Columbus, Ohio Earth-Kind Rose Garden*. \$60,000

## **2009**

Texas A&M University – Commerce, Faculty Mini-Grant, *Heat Tolerance of Northern Varieties of Potential Earth-Kind Roses*. \$600

Texas A&M University – Commerce, Faculty Enhancement Grant, *Soil CO2 Flux, Temperature, and Water Content in a Texas Green Roof Garden*. \$9,918

Texas A&M University – Commerce, Integrated Research Grant, *Evaluating Green Roofs for Texas*. \$15,000

## **2008**

Texas Nursery and Landscape Association. *Evaluation of Landscape Plants for Green Roof Gardens in Texas*. \$2,500

## **2007**

Houston Rose Society. *Earth-Kind Rose Evaluation*. \$25,000

Houston Rose Society. *Cold Hardy Roses for Texas*. \$1,000

Texas A&M University – Presidential Research Grant. *Evaluation of Landscape Plants for Green Roof Gardens in Texas*. \$25,000

## **AWARDS**

2022 FY2021 A&M-Commerce Researcher of the Year

2021 TAMUC Faculty Senate and Texas Association of Black Professionals in Higher Education (TABPHE) Henry Wade Senior Faculty Award

2019 TABPHE Alonzo Sosa Innovation in Teaching Award

2019 TABPHE Eminent Faculty Scholar Award

2017 Texas A&M AgriLife Extension - Superior Service Award

2015 TAMUC Global Scholar Award

2015 National Society for Leadership and Success Excellence in Teaching Award

2015 Finalist, Texas Environmental Excellence Award, Texas Commission on Environmental Quality

2014 President, Agricultural Consortium of Texas

2014 Texas A&M AgriLife Vice Chancellor's Award in Excellence

2014 TAMUC Faculty Senate Neill Humfeld Distinguished Faculty Award for Excellence

2013 Prof. of the Year, Hunt/Hopkins County African-American Leadership Conference

2012 TAMUC Faculty Senate Jim Vornberg Award for Outstanding Teaching

2011 TAMUC Faculty Senate Donna Dunbar Odom Award Fearless Investigation Award