TEXAS STATE VITA
Paula S. Williamson

I. Academic/Professional Background

A. Name: Paula S. Williamson **Title:** University Distinguished Professor of Biology

B. Educational Background

Degree	*Year*	*University*	*Major*	*Dissertation*
Ph.D.	1988	University of California, Santa Barbara	Biological Sciences	Floral anatomy and development of *Ondinea purpurea* (Nymphaeaceae)
M.A.	1985	University of California, Santa Barbara	Biological Sciences	
B.S.	1981	Southwest Texas State University	Biology	

C. University Experience

Position	*University*	*Dates*
University Distinguished Professor	Texas State University	2012-Present
Associate Dean of the Graduate College	Texas State University	2005-2014
Graduate Advisor, Sustainability Studies	Texas State University	2010-2012
Associate Chair, Dept. of Biology	Texas State University	2004-2005
Graduate Advisor, Dept. of Biology	Texas State University	2004-2005
Professor, Dept. of Biology	Texas State University	1998-2012
Associate Professor, Dept. of Biology	Texas State University	1994-1998
Assistant Professor, Dept. of Biology	Texas State University	1988-1994
Instructor, Dept. of Biological Sciences	University of California, Santa Barbara	1988
Post-Graduate Associate, Bio. Sciences	University of California, Santa Barbara	1987-1988
Teaching/Research Assistant, Bio. Sciences	University of California, Santa Barbara	1981-1987
Instructional/Research Assistant, Biology	Southwest Texas State University	1978-1981

D. Relevant Professional Experience NA

E. Other Professional Credentials (licensure, certification, etc.) NA

II. TEACHING

A. Teaching Honors and Awards:

College of Science Finalist for the Mariel Muir Excellence in Mentoring Award. 2000.
College of Science Faculty Award for "Efforts to Improve Student Engagement." $2,000. 1999.
SWT Science/Math/Technology Education Institute Certificate for Service as a Summer Scientist/Mentor, and for Efforts to Improve Secondary Education in Science. 1998-2002.
School of Science Faculty Award for the "Wetlands Project" and "SEEDS Program." $1,500. 1998.
School of Science Faculty Award for the "Wetlands Project." $2,400. 1997.
Southwest Texas State University Presidential Award for Excellence in Teaching. $1,000. 1994.
Beta Beta Beta Biological Honor Society, Kappa Zeta Chapter Teaching Award. 1993.
Alpha Chi National Honor Society, Alfred Nolle Chapter Favorite Professor. 1992, 1993, 1994.

B. Courses Taught:

Undergraduate Courses

BIO 1310 - Principles of Biology
BIO 1410 - Botany
BIO 1431 - Organismal Biology
BIO 1421 - Modern Biology
BIO 2410 - Intermediate General Botany
BIO 3406 - Economic Botany
BIO 3465 - Plant Physiology
BIO 4299 - Directed Research
US 1100 - University Seminar
Honors - Seeds of Change: Plants and Society

Graduate Courses

BIO 5100 - Professional Development
BIO 5110E - Ecology Seminar
BIO 5114, BIO 5214 - Collaborative Master's Research Experience
BIO 5295 - Fundamentals of Research
BIO 5318 - Topics in Botany
BIO 5319 - Topics in Ecology
BIO 5347 - Conservation Biology
BIO 5390 - Problems in the Biological Sciences
BIO 5399A, BIO 5399B - Thesis
BIO 7100 - Professional Development
BIO 7114, BIO 7214 - Collaborative Doctoral Research Experience
BIO 7303 - Doctoral Research
BIO 7399A - Dissertation

C. Graduate Theses/Dissertation Committees:

Dissertation Advisor and Committee Chair:

Florence M. Oxley – Ph.D., 2013. Invasive potential of the aquatic macrophyte *Cryptocoryne beckettii*.

Thesis Advisor and Committee Chair:

Kathryn M. Parsley – B.S., in progress. Reproductive biology of Black lace cactus, an endangered species.
Stefanie Ferrazzano – M.S., 2012. Testing the effects of mycorrhizal fungi on growth and development of *Abronia macrocarpa*.
Sandy Birnbaum – M.S., 2009. Testing population introduction of *Astrophytum asterias*.
Jacqueline J. Goodson – M.S., 2007. Testing population introduction of *Abronia macrocarpa*.
Andy W. Blair – M.S., 2007. Pollinator effectiveness, pollinator importance, and pollen dispersal in star cactus (*Astrophytum asterias*).
Carolyn G. Meredith – M.S., 2006. Recovery of *Abronia macrocarpa* following population disturbance.
Cyndee Baker – M.S., 2006. Estimating the probability of detecting Golden-cheeked warblers (*Dendroica chrysoparia*) using presence-absence surveys. (Co-advisor with F. Weckerly)
Eric Atkins – M.S., 2006. A comparison of eradication techniques for a nonindigenous emergent plant species (*Colocasia esculenta*).
Anna W. Strong – M.S., 2005. Reproductive biology of *Astrophytum asterias* (Cactaceae).
Carrie K. Preite – M.S., 2002. Algal species composition on turtle carapaces in Spring Lake,

Hays County, San Marcos, Texas.
Marsha M. Reimer – M.S., 2002. Baseline survey and checklist of birds at Spring Lake and surrounding vicinity, San Marcos, Hays County, Texas. (Co-advisor with D. Huffman)
Darren P. Dodson – M.S., 2001. The effects of disturbance on *Thymophylla tephroleuca*, ashy dogweed (Asteraceae).
Patti L. Herzik – M.S., 1998. The seed biology of *Frankenia johnstonii* (Frankeniaceae).
Selvi K. Bazeer – M.S., 1996. Self-incompatibility in *Abronia macrocarpa*, large-fruited sand verbena (Nyctaginaceae).
Karen L. Couch – M.S., 1996. Seedling recruitment and plant recolonization of a disturbed population of *Abronia macrocarpa* (Nyctaginaceae).
Lisa Muliani – M.S., 1994. Breeding system and reproductive capacity of *Abronia macrocarpa*, large-fruited sand verbena (Nyctaginaceae).
Gena K. Hamilton – M.S., 1991. Reproductive biology and leaf structure of *Abronia macrocarpa* (Nyctaginaceae), an endangered Texas endemic.

Dissertation Committee Member:
Joan Parrott – Ph.D., in progress. Fossil angiosperm woods from Jose Creek Member of the McRae Formation.
Michelle Crawford – Ph.D., in progress. An evaluation of the threshold for the vegetative growth of Texas Wild rice (*Zizania texana*) involving a reduction in photosynthetically active radiation (PAR) and a range of velocities.
Heidi L. N. Moltz – Ph.D., 2009. Identification of critical non-point source pollution areas and integrated evaluation of land management practices in the Rio Grande Basin.
Mamta Singh – Ph.D., 2009. Entry-level biology major's program evaluation.

External Ph.D. Thesis Examiner:
Noushka Hedy Reiter – Ph.D., 2009. *Borya mirabilis* steps in the recovery of a critically endangered Australian plant. Department of Biotechnology and Environmental Biology, RMIT University, Melbourne, Victoria, AUSTRALIA.

Thesis Committee Member:
Angelita Rodriguez – M.S.I.S., in progress. Invasive species distribution in City of Austin parks.
Jacob Bilbo – M.S., 2015. The effects of water velocity and sediment composition on competitive interactions between native and invasive macrophyte species in a spring fed river.
Leilani Williams – M.S., 2013. Evaluation of ecological function of urban riparian and stream systems: Guiding ecological restoration in Austin, Texas USA.
Scott Havill – M.S. 2012. Can prescribed burns be used to control a C_4 invasive grass in a C_4 grassland.
Amanda Birnbaum – M.S., 2011. Plant growth and chemical responses to variation in soil properties by a Texas sand ridge endemic mint, *Monarda viridissima* (Lamiaceae).
John Montoya – M.S., 2010. Large scale composting as a means of managing water hyacinth.
Jed Aplaca – M.S., 2010. The non-native flora of Texas.
Dawnelle Malone – M.S., 2008. A predictive habitat model for invasive African buffel grass in Big Bend National Park.
Angela Rainer – M.S., 2006. Phylogenetic reconstruction and genetic conservation of *Heloderma horridum*.
Kristy D. Barker Scott – M.S., 2004. Above and below-ground morphological responses of cucumber seedlings (*Cucumis sativus*) to ultraviolet-B radiation.

Andrea Wakefield – M.S., 2004. Megagametogenesis of *Juniperus.*
Minnette Marr – M.S., 2003. Vascular flora of McKinney Roughs Bastrop County, Texas.
Jennifer R. Mittelhauser – M.S., 2002. Blackland prairie restoration in central Texas.
Thomas M. Allemand – M.S., 2002. Calcium dynamics in a subtropical impoundment.
Diana J. McHenry – M.S., 2002. Molecular systematics of Texas genera of Nyctaginaceae.
Patty L. Phillips – M.S., 1999. Composition of woody plants in the understory of plateau live oak *Quercus virginiana* var. *fusiformis* clusters in central Texas.
Freddy A. Prado – M.S., 1999. Bird activity and seed dispersal in two neotropical trees: *Guarea macrophylla* and *Trichilia quadrijuga* (Meliaceae).
William A. Cleveland – M.S., 1998. Monitoring the fungal decomposition of *Colocasia esculenta* using ergosterol as an indicator.
Roland P. Roberts – M.S., 1996. The Euphorbiaceae of Texas.
Laura L. Sanchez – M.S., 1996. Vegetation of Hill Country State Natural Area Bandera and Medina Counties, Texas.
Lisa K. Ahmad – M.S., 1994. Woody plant communities of Guadalupe River State Park Comal and Kendall Counties, Texas.
Massoud Z. Minooi – M.S., 1993. Fibonacci numbers.
Florence M. Oxley – M.S., 1992. A fungal survey of three ponds on North Padre Island.
La Titia L. Taylor Odoms – M.S., 1991. Leaf anatomy and morphology of *Barclaya*.

D. Courses Prepared and Curriculum Development:
See section B above for courses prepared.

New Undergraduate Courses Added to University Curriculum:
Intermediate General Botany; Seeds of Change: Plants and Society Honors Course

New Graduate Courses Added to University Curriculum:
Conservation Biology

E. Funded External Teaching Grants and Contracts:
Wetlands Project Grants:
2002 John P. McGovern Foundation. "Wetlands Project." $15,000.
2001 Parks and Wildlife Foundation of Texas (through NFWF, Chevrolet, and Cecilia Young Willard Helping Fund). "Riparian Restoration and Interpretive Walk." $150,000. Co-PI F.L. Rose
2000 TPWD. "Wetlands Walk at San Marcos Springs Educational Interpretation."$65,000.
1999 TPWD. "Restoration of Aquarena Riparian Zone." $70,000. Co-PI T.A. Arsuffi
1999 USFWS Partners for Wildlife Grant. "Exotic plant and animal control and an interpretive boardwalk trailhead kiosk: Phase 1." $19,500. Co-PI T.A. Arsuffi
1998 Meadows Foundation. "Wetlands Project." $500,000. Co-PI T.A. Arsuffi
1997 National Fish and Wildlife Foundation - Native Plant Conservation Initiative. "Restoration of the San Marcos headwaters." $5,000. Co-PI T.A. Arsuffi
1997 National Park Service Rivers, Trails, Conservation Assistance Program. "Wetlands Project educational brochure." $2,500. Co-PI T.A. Arsuffi

Other Teaching Grants:
1990 Southern Ute Education Council. "Educational improvement of Native American students in graduate science research." $6,900. Co-PI with E.L. Schneider.
1990 Limnology Symposium Participant Grant. "Structural adaptations of aquatic macrophytes." Murray State University. $500.

F. Submitted, but not Funded, External Teaching Grants and Contracts: NA

G. Funded Internal Teaching Grants and Contracts:
1997 SWT Merrick Funds. "Americorps and Aquarena wetlands restoration and trail improvements." $10,000. Co-PI T.A. Arsuffi.

H. Submitted, but not Funded, Internal Teaching Grants and Contracts: NA

I. Other:
Wetlands Project:
Leader of the Wetlands Project, 1996-2006 with T. Arsuffi and F. Rose. Project contributed to the university's goal of transforming Aquarena into an educational facility protecting the sensitive headwaters of the San Marcos River. Extensive efforts were devoted to raising funds to carry out the project. I generated $837,000 in grants (see list in section E. above) that funded construction of the Wetlands Walk at Aquarena Center and environmental restoration efforts. The Wetlands Walk consists of an educational boardwalk and nature trail system that serves as an outdoor classroom allowing the visitor to experience wetlands first-hand and learn about their unique ecology through interpretive signage. The Wetlands Walk is used extensively to teach Texas State students and school children about wetlands ecology. I also organized numerous service-learning activities at Aquarena Center to teach students about wetlands and wetlands restoration.

SEEDS Program:
Appointed by the Ecological Society of America and United Negro College Fund to serve as Partner in the Strategies for Ecology Education, Development and Sustainability Program (SEEDS). Program goals were to improve instruction in ecology courses and to increase the number of minority students majoring in ecology and entering graduate programs. I was Partner to Wiley College, Texas (1997-1999), assisting them in developing innovative methods of teaching ecology.

Non-Thesis Advisor:
Neil Schmidt – M.S.I.S., 2014. Sustainability Studies
Luz Morris – M.S., 2004. Biology
Jennifer Mandel – M.S., 2004. Biology
Christine F. Hudec – M.A., 2001. Biology

Non-Thesis Committee Member:
Liyana Anuradha Gunathilake – M.S., 2009. Biology
Katy Furtwrangler – M.S., 2005. Science Education
Robert W. Blankinship – M.S., 1992. Education

Direction of Undergraduate Student Research:

Victoria Perez – SSII 2006, Fall 2006
Rachel A. McCarrick – Spring 2003
Roel Maldonado – Spring 2002
Lesley N. Millberger – Spring 2002
Dawn Hurley – Spring 1999
Mike L. Eason – Spring 1999
Angela A. Gardine - Fall 1997, Spring 1998
Rasmey C. Mau – SSI 1996, SSII 1996
Brittany M. Sarver – SSII 1994
Bobby D. Horecka – SSII 1992
Cynthia D. Tyron – Fall 1992
Robert W. Blankinship – SSII 1991
Barton R. Jacques – SSI 1991, SSII 1991
Daniel Atha – SSI 1991
Karen E. Pendlum – SSI 1991
Virginia D. Rippy – SSI 1991
Patti L. Herzik – Spring 1991, SSI 91, Fall 91
Dana L. Sutherland – Spring 1991, Fall 1991

Science/Math/Technology Education Institute:
The institute's program was designed to improve secondary education in science. The program brought school teachers to campus for the summer to conduct research in a science faculty member's lab. I mentored teachers in the program from 1998-2002.

University Workshops:
Presented the following workshops for faculty through the Professional Development program that cover best practices in mentoring graduate students:
The Faculty Role in Guiding Students through the Thesis/Dissertation Process. Professional Development Workshop, Texas State, fall 2011.
Building Productive Mentoring Relationships with Graduate Students. Professional Development Workshop, Texas State, fall 2010.
The Role of Academic Advisors in Promoting Graduate Study as a Career Path. 13th Annual Academic Advisors Conference, Texas State, fall 2010.
Building Productive Mentoring Relationships with Master's Students. Professional Development Workshop, Texas State, fall 2008.
The Faculty Role in Guiding Students through the Thesis/Dissertation Process. Professional Development Workshop, Texas State, fall 2007.

Presented workshops for graduate students that cover completion of a thesis or dissertation:
Thesis/Dissertation Workshop for Graduate Students. Graduate College, Texas State, presented each semester spring 2007 - spring 2014.

III. SCHOLARLY/CREATIVE

A. Works in Print
1. Books
a. Scholarly Monographs: NA

b. Textbooks:
Elliot A.M. and P.S. Williamson. 1996. Laboratory Manual to Accompany The Botanical World. Wm. C. Brown Publishers, Iowa. 207 pp.
Elliot A.M. and P.S. Williamson. 1996. Instructor's Resource Guide for the Laboratory Manual to Accompany The Botanical World. Wm. C. Brown Publishers, Iowa. 45 pp.

c. Edited Books: NA

d. Chapters in Books:

Williamson, P.S. and E.L. Schneider. 1993. Cabombaceae. *In*: The Families and Genera of Flowering Plants. K. Kubitzki, editor. Vol. II. Springer-Verlag, New York.

Williamson, P.S. and E.L. Schneider. 1993. Nelumbonaceae. *In*: The Families and Genera of Flowering Plants. K. Kubitzki, editor. Vol. II. Springer-Verlag, New York.

Schneider, E.L. and P.S. Williamson. 1993. Nymphaeaceae. *In*: The Families and Genera of Flowering Plants. K. Kubitzki, editor. Vol. II. Springer-Verlag, New York.

e. Creative Books: NA

2. Articles:

a. Refereed Journal Articles (*Texas State University current student or alumni co-author):

F.M. Oxley*, T.M. Waliczek, and P.S. Williamson. Stakeholder opinions on invasive species and their management in the San Marcos River. HortTechnology. In revision.

Echo-Hawk, P.D., F.M. Oxley*, P.S. Williamson, V. Cantu and K. Ostrand. 2014. Integrated management of an invasive macrophyte. Journal of Aquatic Plant Management. 52: 97-101.

Ferrazzano, S.* and P.S. Williamson. 2013. Benefits of mycorrhizal inoculation in reintroduction of endangered plant species under drought conditions. Journal of Arid Environments. 98: 123-125.

Ferguson, A.W., R.E. Strauss, A.W. Strong*, S.J. Birnbaum*, J.M. Poole, G.K. Janssen*, and P.S. Williamson. 2013. Assessing regional differences in predation of endangered species: Implications from Texas populations of the endangered star cactus (*Astrophytum asterias*). Journal of Arid Environments. 97: 143-149.

Goodson, J.J.* and P.S. Williamson. 2011. Germination of seeds in the endangered *Abronia macrocarpa*. Southwestern Naturalist 56: 141-146.

Birnbaum, S.J.*, J.M. Poole, and P.S. Williamson. 2011. Reintroduction of star cactus *Astrophytum asterias* by seed sowing and seedling transplanting, Las Estrellas Preserve, Texas, USA. Conservation Evidence 8: 43-52.

Blair, A.W.* and P.S. Williamson. 2010. Pollen dispersal in star cactus (*Astrophytum asterias*). Journal of Arid Environments 74: 525-527.

Ferguson, A.W. and P.S. Williamson. 2009. New Host Plant Record, the Endangered Star Cactus (*Astrophytum asterias*), for *Moneilema armatum* LeConte (Coleoptera: Cerambycidae: Lamiinae). The Coleopterists Bulletin. 63: 218-220.

Watson, C.A.*, F.W. Weckerly, J.S. Hatfield, C. Farquhar, and P.S. Williamson. 2008. Detection, occupancy and survey effort of Golden-cheeked warblers (*Dendroica chrysoparia*). Animal Conservation 11: 484-492.

Blair, A.* and P.S. Williamson. 2008. Effectiveness and importance of pollinators in star cactus (*Astrophytum asterias*). Southwestern Naturalist 53: 423-430.

Atkins, E.O.* and P.S. Williamson. 2008. Comparison of four techniques to eradicate elephant ear. Journal of Aquatic Plant Management 46: 158-162.

Strong, A.W. *and P.S. Williamson. 2007. Breeding system of *Astrophytum asterias*. Southwestern Naturalist 52: 341-346.

Schneider, E.L., S.C. Tucker, and P.S. Williamson. 2003. Floral development in the Nymphaeales. International Journal of Plant Science 164: 5279-5292.

Lippok, B., A.A. Gardine*, P.S. Williamson, and S.S. Renner. 2000. Pollination by flies, bees, and beetles of *Nuphar ozarkana* and *N. advena* (Nymphaeaceae). American Journal of Botany 87: 898-902.

Arsuffi, T.L., P.S. Williamson, M. de la Garza Newkirk, and M. Howard. 2000. The San Marcos River Wetlands Project: Restoration and environmental education in Texas. International Journal of Wilderness 6: 17-21.

Williamson, P.S. and C.R. Werth. 1999. Levels and patterns of genetic variation in the endangered species *Abronia macrocarpa* (Nyctaginaceae). American Journal of Botany 86: 293-301.

Williamson, P.S. and S.K. Bazeer*. 1997. Self-incompatibility in *Abronia macrocarpa*. Southwestern Naturalist 42: 409-415.

Van Auken, O.W. and P.S. Williamson. 1997. Rare plants of the southwest: forward. Southwestern Naturalist 42: 367-368.

Schneider, E.L. and P.S. Williamson. 1996. *Barclaya rotundifolia*. Aqua-Planta 2: 87-95.

Williamson, P.S. and E.L. Schneider. 1994. Floral aspects of *Barclaya* (Nymphaeaceae): Pollination, ontogeny and structure. Plant Systematics and Evolution 8: 104-115.

Williamson, P.S. and E.L. Schneider. 1994. *Ondinea purpurea* den Hartog. Aqua-Planta 1: 3-10.

Williamson, P.S., L. Muliani*, and G.K. Janssen*. 1994. Pollination biology of *Abronia macrocarpa* (Nyctaginaceae), an endangered Texas species. Southwestern Naturalist 39: 336-341.

Moseley, M.F., E.L. Schneider, and P.S. Williamson. 1993. Phylogenetic interpretations from selected floral vasculature characters in the Nymphaeaceae, sensu lato. Aquatic Botany 44: 325-342.

Williamson, P.S. 1991. *Ondinea*, the new Australian water lily. Water Garden Journal 7: 43-48.

Williamson, P.S. 1991. Ecological anatomy of *Nuphar luteum* leaves. Texas A&M University EM Views 6: 7-8.

Skubatz, H., P.S. Williamson, E.L. Schneider, and B.J.D. Meeuse. 1990. Cyanide-insensitive respiration in thermogenic flowers of *Victoria* and *Nelumbo*. Journal of Experimental Botany 41: 1335-1339.

Schneider, E.L., P.S. Williamson, and D.C. Whitenberg. 1990. Hot sex in water lilies. Water Garden Journal 6: 41-51.

Williamson, P.S., E.L. Schneider, and L.A. Malins. 1989. Tuber and leaf structure of *Ondinea purpurea* den Hartog (Nymphaeaceae). Western Australian Naturalist 18: 52-61.

Williamson, P.S. and M.F. Moseley. 1989. Morphological studies of the Nymphaeaceae (s.l.). XVII. The floral anatomy of *Ondinea purpurea* subspecies *purpurea*. American Journal of Botany 76: 1781-1796.

Moseley, M.F., I.J. Mehta, P.S. Williamson, and H. Kosakai. 1984. Morphological studies of the Nymphaeaceae (s.l.). XIII. Contributions to the vegetative and floral structure of *Cabomba*. American Journal of Botany 71: 902-924.

Schneider, E.L., M.F. Moseley, and P.S. Williamson. 1983. The pollination biology of *Ondinea purpurea*. Proceedings of the Vth International Symposium on Pollination. Ed. INRA Publ. Les Colloques de I'INRA, n-21: 231-235.

b. Non-referred Articles: NA

3. Conference Proceedings:

a. Refereed Conference Proceedings (*Texas State current student or alumni co-author):

Williamson, P.S. 2004. Status of the Large-fruited sand verbena (*Abronia macrocarpa*). Proceedings of the Texas Plant Conservation Conference. Lady Bird Johnson Wildflower Center Publication.

Arsuffi, T.L., P.S. Williamson, and M. de la Garza Newkirk. 1999. The San Marcos River Wetlands Project: Restoration and a vision of environmental stewardship and management for urban rivers in Texas through education and partnerships. 1998 River Management Society Symposium Proceedings pp. 161-170.

Janssen, G.K.* and P.S. Williamson. 1996. Encouraging conservation of endangered plants on private lands: A case study of *Frankenia johnstonii*, an endangered south Texas subshrub. *In*: Southwestern Rare and Endangered Plants: Proceedings of the Second Conference. USDA Forest Service General Technical Report RM-GTR-283: 1-7.

Williamson, P.S. 1991. Crisis in Science: Creating an interest in botany. Native Plant Society of Texas Symposium Proceedings pp. 91-105.

b. Non-refereed Conference Proceedings: NA

4. Abstracts:

(*Texas State current student or alumni co-author):

Williamson, P.S., C.G. Meredith*, J.J. Goodson* and S. Ferrazzano*. 2015. Factors to consider in rare plant reintroduction. Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. San Diego State University. San Diego, California.

Strong, A.W.* and P.S. Williamson. 2014. Species assessments and populations updates for rare plant species. Texas Plant Conservation Conference. Austin, TX.

Oxley, F.M.*, T.M. Cade and P.S. Williamson. 2014. Invasive species management in the San Marcos River: Does public opinion matter? Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. Oklahoma State University. Stillwater, Oklahoma.

Oxley, F.M.*, T.M. Cade and P.S. Williamson. 2013. Rolling Down the River: Public Perceptions and Attitudes Towards Invasive Species and Invasive Species Management in the San Marcos River, San Marcos, Texas. Abstracted in 53rd Annual Meeting of the Aquatic Plant Management Society Program & Abstracts. (July). Aquatic Plant Management Society. San Antonio, Texas.

Havill, S.A.*, S. Schwinning, K.G. Lyons, and P.S. Williamson. 2012. Can prescribed fire be used to manage a C(4) invasive grass in a C(4) grassland. Abstracted in ESA Publ. (August). Ecological Society of America. Portland, Oregon.

Williamson, P.S., C.G. Meredith* and J.J. Goodson*. 2012. Evaluation of suitable habitat for reintroduction of the endangered species *Abronia macrocarpa* as a recovery measure. Abstracted in ESA Publ. (August). Ecological Society of America. Portland, Oregon.

Havill, S.A.*, S. Schwinning, J.P. Bach, K.G. Lyons, and P.S. Williamson. 2012. Can prescribed burns be used to control a C(4) invasive grass in a C(4) grassland. Abstracted in North American Congress for Conservation Biology Publ. (July). Society for Conservation Biology North American Section. Oakland, California.

Oxley, F.M.* and P.S. Williamson. 2011. The effects of temperature and light on the vegetative growth of *Cryptocoryne beckettii* (Thwaites ex Trimen), a potentially invasive species in the San Marcos River. Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. Texas Tech University. Tyler, Texas.

Williamson, P.S., C.G. Meredith*, and J.J. Goodson*. 2010. Testing reintroduction of *Abronia macrocarpa*. Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. Texas Tech University. Junction, Texas.

Williamson, P.S., C.G. Meridith*, and J.J. Goodson*. 2009. Selecting appropriate habitat for reintroduction of *Abronia macrocarpa*. International Symposium. Evaluating Reintroductions as a Plant Conservation Strategy: Two Decades of Evidence. Abstracted in Symposium Proceedings. Center for Plant Conservation. St. Louis. Missouri.

Blair, A.* and P.S. Williamson. 2009. Pollen dispersal in star cactus (*Astrophytum asterias*). Abstracted in Meeting Proceedings. Botanical Society of America. Snowbird, Utah.

Ferguson, A.W. and P.S. Williamson. 2009. Mortality of the endangered star cactus (*Astrophytum asterias* LEMAIRE) by the cactus longhorn Beetle (*Moneilena armatum* LECONTE). Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. Universidad Autonoma de Nuevo Leon. Monterrey, Mexico.

Birnbaum, S.J.* and P.S. Williamson. 2009. Habitat characterization and pilot reintroduction of star cactus (*Astrophytum asterias*). Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. Universidad Autonoma de Nuevo Leon. Monterrey, Mexico.

Blair, A.* and P.S. Williamson. 2008. Pollinator effectiveness and importance in star cactus (*Astrophytum asterias*). Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. The University of Memphis, Memphis, Tennessee.

Watson, C.*, F.W. Weckerly, J.S. Hatfield, C.C. Farquhar, and P.S. Williamson. 2008. Detection probabilities, occupancy, and survey effort of Golden-cheeked warblers (*Dendroica chrysoparia*) using detection-nondetection surveys. Partners in Flight Conference. McAllen, Texas.

Ferguson, A., A.W. Strong*, J.M. Poole, S. Birnbaum*, G.K. Janssen*, and P.S. Williamson. 2007. Mammalian herbivory and star cactus: Culprits, threats and potential solutions. Abstracted in Conference Proceedings. Texas Plant Conservation Conference. Lady Bird Johnson Wildflower Center, Austin, Texas.

Hanson, S. and P.S. Williamson. 2007. Our endless and proper work: the practice of attention. Abstracted in Conference Proceedings. The Circle Network: A Land Full of Stories Conference. Texas State University-San Marcos, San Marcos, Texas.

Goodson, J.J.* and P.S. Williamson. 2007. Testing reintroduction potential of *Abronia macrocarpa*. Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. Tarleton State University, Stephenville, Texas.

Ferguson, A., A.W. Strong*, J.M. Poole, S. Birnbaum*, and P.S. Williamson. 2007. Effects of mammalian herbivory on populations of the endangered star cactus *Astrophytum asterias*. Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. Tarleton State University, Stephenville, Texas.

Meredith, C.G.* and P.S. Williamson. 2006. Recovery of *Abronia macrocarpa*, an endangered Texas endemic, following habitat disturbance. Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. Colima, México.

Strong, A.W.* and P.S. Williamson 2005. Breeding system of *Astrophytum asterias*. Abstracted in Texas Academy of Sci. Publ. (March). Texas Academy of Science. The University of Texas Pan American, Edinburg, Texas.

Strong, A.W.* and P.S. Williamson 2005. Phenology and reproductive biology of *Astrophytum asterias*. Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. Sam Houston State University, Huntsville, Texas.

Williamson, P.S. 2005. The Wetlands Project: A vision of environmental stewardship becomes a reality. Abstracted in the Botany 2005 Educational Forum. Botanical Society of America. Austin, Texas.

Williamson, P.S., C.G. Meredith*, J.J. Goodson*, and G.K. Janssen*. 2005. Testing population augmentation and introduction potential in *Abronia macrocarpa* (Large-fruited sand verbena). Abstracted in Conference Proceedings. Texas Plant Conservation Conference. Lady Bird Johnson Wildflower Center, Austin, Texas.

Strong, A.W.*, P.S. Williamson, G.K. Janssen*, and J. Poole. 2005. Reproductive biology of star cactus (*Astrophytum asterias*). Abstracted in Conference Proceedings. Texas Plant Conservation Conference. Lady Bird Johnson Wildflower Center, Austin, Texas.

Strong, A.W.* and P.S. Williamson. 2005. Breeding system of *Astrophytum asterias*. Abstracted in Texas Academy of Sci. Publ. (March). Texas Academy of Science. The University of Texas Pan American, Edinburg, Texas.

Meredith, C. M.*, P.S. Williamson and C. Nice. 2004. Conservation of the bracted twistflower (*Streptanthus bracteatus*). Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. University of Texas, San Antonio, Texas.

Williamson, P.S. and Gena K. Janssen*. 2002. Conservation of *Frankenia johnstonii*. Abstracted inTexas Academy of Sci. Publ. (March). Texas Academy of Science. Texas A&M International University, Laredo, Texas.

Preite, C.K.*, P.S. Williamson, and T.R. Simpson. 2002. Algal species composition on turtle carapaces in Spring Lake, Hays County, San Marcos, Texas. Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. Universidad Autónoma del Estado de Morelos, Cuernavaca, México.

Williamson, P.S. 2002. Status of the Large-fruited sand verbena (*Abronia macrocarpa*). Abstracted in Conference Proceedings. Texas Plant Conservation Conference. Lady Bird Johnson Wildflower Center, Austin, Texas.

Reimer, M.M.*, D.G. Huffman, and P. S. Williamson. 2001. Baseline survey of birds at the San Marcos Springs Wetlands, San Marcos, Texas. Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. Fort Hays State University, Hays, Kansas.

Preite, C.K.*, P.S. Williamson , B.E. Gilliam, and G.K. Janssen*. 2001. Population biology of *Abronia macrocarpa* (Large-fruited sand verbena). Abstracted in Texas Academy of Sci. Publ. (March). Texas Academy of Science. Southwest Texas State University, San Marcos, Texas.

Dodson, D.P.* and P.S. Williamson. 2001. Reproductive biology and ecology of *Thymophylla tephroleuca* (Ashy dogweed), an endangered Texas endemic. Abstracted in Texas Academy of Sci. Publ. (March). Texas Academy of Science. Southwest Texas State University, San Marcos, Texas.

Preite, C.K.*, B.E. Gilliam, G.K. Janssen*, and P.S. Williamson. 2001. Population biology of *Abronia macrocarpa* (Large-fruited sand verbena). Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. Fort Hays State University, Hays, Kansas.

Dodson, D.P.* and P.S. Williamson. 2001. Life history traits and the effects of disturbance on *Thymophylla tephroleuca* (Ashy dogweed), a narrow Texas endemic. Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. Fort Hays State University, Hays, Kansas.

Reimer, M.M.*, D.G. Huffman, and P. S. Williamson. 2000. Survey of birds at the Aquarena Center and the dispersal pattern of waterbirds pre- and post-installation of a wetland boardwalk. Abstracted in Conference Proceedings. The Waterbird Society Meeting. Plymouth, Massachusetts.

Gardine, A.A.* and P.S. Williamson. 1999. Pollination and the breeding system in *Nuphar advena* (Nymphaeaceae). Abstracted in Texas Acad. Sci. Publ. (March). Texas Academy of Science. Texas Lutheran University, Seguin, Texas.

Janssen, G.K.* and P.S. Williamson. 1999. The conservation of *Frankenia johnstonii* (Johnston's frankenia), an endangered subshrub in south Texas and adjacent Mexico. Abstracted in Southwestern Association of Naturalists Publ. (April). Southwestern Association of Naturalists. Universidad Autonoma de Nuevo Leon, Monterrey, México.

Williamson, P.S., T.A. Arsuffi, and M. de la Garza Newkirk. 1999. The San Marcos River Wetlands Project. Society for Ecological Restoration, Eleventh Annual International Conference. Abstracted in Community, Connection and Stewardship Symposium Proceedings. San Francisco, California.

Arsuffi, T.A., P.S. Williamson, and E. Atkins*. 1998. The San Marcos River Wetlands Project: restoration and exotic plant management. Abstracted in ESA Publ. (August). Ecological Society of America. Baltimore, Maryland.

Williamson, P.S. and C.R. Werth. 1998. Genetic variation in the endangered species *Abronia macrocarpa*. Abstracted in Texas Acad. Sci. Publ. (March). Texas Academy of Science. University of Texas at Tyler, Tyler, Texas.

Arsuffi, T.A., P.S. Williamson, and M. de la Garza Newkirk. 1998. Restoration and a vision of environmental stewardship for urban rivers in Texas through education and partnerships. Abstracted in Symposium Proceedings. Rivers Management Society Symposium. Anchorage, Alaska.

Howard, M.S., T.L. Arsuffi, P.S. Williamson, F.R. Rose, and M. de la Garza Newkirk. 1998. The San Marcos River Habitat Conservation Plan: A solution to pollution. Abstracted in Symposium Proceedings. Rivers Management Society Symposium. Anchorage, Alaska.

Williamson, P.S. and S.K. Bazeer*. 1997. Sporophytic incompatibility in *Abronia macrocarpa* (Nyctaginaceae). Abstracted in Proceedings of the Southwestern Assoc. of Naturalists (April). Southwestern Association of Naturalists. University of Arkansas, Fayetteville, Arkansas.

Williamson, P.S. and C.R. Werth. 1997. Levels and patterns of genetic variation in the endangered species *Abronia macrocarpa* Galloway (Nyctaginaceae). Amer. J. Bot. 84: 245 (Abstract). Botanical Society of America. Montreal, Canada.

Williamson, P.S. and S.K. Bazeer*. 1996. The self-incompatibility system in *Abronia macrocarpa.* Amer. J. Bot. 83: 330. (Abstract). Botanical Society of America. Seattle, Washington.

Williamson, P.S., S.K. Bazeer*, and G.K. Janssen*. 1995. Self-incompatibility in *Abronia macrocarpa* (Nyctaginaceae): pollen tube growth. Abstracted in Conference Proceedings. Second Southwestern Rare and Endangered Plant Conference. Northern Arizona University, Flagstaff, Arizona.

Janssen, G.K.* and P.S. Williamson. 1995. Encouraging conservation of endangered plants on private lands: A case study of *Frankenia johnstonii*, an endangered south Texas subshrub. Abstracted in Conference Proceedings. Second Southwestern Rare and Endangered Plant Conference. Northern Arizona University, Flagstaff, Arizona.

Williamson, P.S., S.K. Bazeer*, and G.K. Janssen*. 1995. The self-incompatibility system in *Abronia macrocarpa* (Nyctaginaceae), an endangered Texas endemic. TSEM 26: 63 (Abstract). Texas Society for Electron Microscopy. Austin, Texas.

Williamson, P.S. and L. Muliani*. 1994. Pollination and mating system of *Abronia macrocarpa* (Nyctaginaceae). Amer. J. Bot. 81: 66 (Abstract). Botanical Society of America. Knoxville, Tennessee.

Couch, K.L.* and P.S. Williamson. 1994. Recolonization of a disturbed population site of *Abronia macrocarpa*. Abstracted in Texas Acad. Sci. Publ. (March). Texas Academy of Science. Texas Southern University, Houston, Texas.

Williamson, P.S. and L. Muliani*. 1993. Reproductive biology of *Abronia macrocarpa* (Nyctaginaceae). Abstracted in Proceedings of the Southwestern Association of Naturalists (April). Southwestern Association of Naturalists. Southwest Missouri State University, Springfield, Missouri.

Williamson, P.S. and L. Muliani*. 1993. Reproductive biology of *Abronia macrocarpa* (Nyctaginaceae). Abstracted in Texas Acad. Sci. Publ. (March). Texas Academy of Science. University of North Texas, Denton, Texas.

Williamson, P.S. and E.L. Schneider. 1992. The genus *Barclaya* (Nymphaeaceae). Abstracted in Proceedings. International Water Lily Symposium. Houston, Texas.

Schneider, E.L., P.S. Williamson, and E.P. Klucking. 1992. Leaf structure of *Barclaya* Amer. J. Bot. 79: 49 (Abstract). Botanical Society of America. Honolulu, Hawaii.

Williamson, P.S., P.L. Herzik*, F.M. Oxley*, and H. Lucero*. 1992. Seed germination of *Argemone fruticosa* (Papaveraceae). Abstracted in Proceedings of the Southwestern Association of Naturalists (April). Southwestern Association of Naturalists. Texas Tech University Center, Junction, Texas.

Williamson, P.S., P.L. Herzik*, and H. Lucero*. 1992. *Argemone fruticosa*, a woody poppy from Mexico. Abstracted in Texas Acad. Sci. Publ. (March). Texas Academy of Science. Midwestern State University, Wichita Falls, Texas.

Moseley, M.F., P.S. Williamson, and E.L. Schneider. 1991. Morphological studies of the Nymphaeaceae sensu lato: Phylogenetic interpretations from selected floral vasculature characters. Amer. J. Bot. 78: 160-161 (Abstract). Botanical Society of America. San Antonio, Texas.

Hamilton, G.K.* and P.S. Williamson. 1991. *Abronia macrocarpa* Galloway, an endangered east Texas endemic. Abstracted in Texas Acad. Sci. Publ. (March). Texas Academy of Science. Stephen F. Austin State University, Nacogdoches, Texas.

Hamilton, G.K.* and P.S. Williamson. 1991. Leaf structure of *Abronia macrocarpa* Galloway (Nyctaginaceae). TSEM 22: 28 (Abstract). Texas Society for Electron Microscopy. Clear Lake, Texas.

Williamson, P.S. 1991. Addressing the teaching mission of an institution. Abstracted in Conference Proceedings. American Association of Botanical Gardens and Arboreta. Minneapolis, Minnesota.

Williamson, P.S., L.T. Taylor Odoms*, and E.L. Schneider. 1990. Morphological studies of the Nymphaeaceae: Field observations of *Barclaya* in Malaysia. Amer. J. Bot. 77: 166 (Abstract). Botanical Society of America. Richmond, Virginia.

Williamson, P.S., E.L. Schneider, and D.E. Lemke. 1990. Morphoplasticity in the leaves of *Nuphar luteum* (Nymphaeaceae). Amer. J. Bot. 77: 41 (Abstract). Botanical Society of America. Richmond, Virginia.

Williamson, P.S. 1990. Structural adaptations of aquatic macrophytes. Abstracted in Teaching the Limnology Laboratory Symposium Proceedings. Association of Southeastern Biologists. Baltimore, Maryland.

Williamson, P.S. 1990. *Ondinea*, the new Australian water lily. Abstracted in Symposium Proceedings.6th International Water Lily Symposium. Orlando, Florida.

Taylor Odoms, L.T.*, P.S. Williamson, and E.L. Schneider. 1990. The natural history of *Barclaya*, a Malaysian water lily. Abstracted in Proceedings of the Southwestern Assoc. of Naturalists (April). Southwestern Association of Naturalists. University of North Texas, Denton, Texas.

Taylor Odoms, L.T.*, E.L. Schneider, and P.S. Williamson. 1990. The genus *Barclaya* (Nymphaeaceae). Abstracted in Texas Acad. Sci. Publ. (March). Texas Academy of Science. Southwest Texas State University, San Marcos, Texas.

Williamson, P.S., E.L. Schneider, and D.E. Lemke. 1990. Ecological anatomy of *Nuphar luteum* leaves. TSEM 21: 27 (Abstract). Texas Society for Electron Microscopy. Kerrville, Texas.

Williamson, P.S., L.T. Odoms*, and E.L. Schneider. 1990. Morphological studies of the Nymphaeaceae: *Barclaya*, a Southeast Asian water lily. TSEM 21: 27 (Abstract). Texas Society for Electron Microscopy. Galveston, Texas.

Williamson, P.S., E.L. Schneider, and L.A. Malins. 1989. Structural and reproductive aspects of *Ondinea purpurea*, an Australian member of the Nymphaeaceae. Amer. J. Bot. 76: 71 (Abstract). Botanical Society of America. University of Toronto, Toronto, Canada.

Williamson, P.S., E.L. Schneider, and L.A. Malins. 1989. Stem, leaf, and floral structure in *Ondinea purpurea*, an Australian member of the Nymphaeaceae. Abstracted in Proceedings of the Southwestern Assoc. of Naturalists (April). Southwestern Association of Naturalists. Arkansas State University, Jonesboro, Arkansas.

Williamson, P.S. 1989. Floral development, a SEM examination. TSEM 20: 39 (Abstract). Texas Society for Electron Microscopy. Arlington, Texas.

Williamson, P.S., E.L. Schneider, and L.A. Malins. 1989. The life history of *Ondinea purpurea*. Abstracted in Texas Acad. Sci. Publ. (March). Texas Academy of Science. Lamar University, Beaumont, Texas.

Williamson, P.S. 1988. The floral ontogeny of *Ondinea purpurea* (Nymphaeaceae). Amer. J. Bot. 75: 52-53 (Abstract). Botanical Society of America. University of California, Davis, California.

Williamson, P.S. 1986. Further observations on the floral anatomy of *Ondinea purpurea* subsp. *purpurea* (Nymphaeaceae). Amer. J. Bot. 73: 64 (Abstract). Botanical Society of America. University of Massachusetts, Amherst, Massachusetts.

Moseley, M.F. and P.S. Williamson. 1984. The vasculature of the flower of *Euryale ferox*. Amer. J. Bot. 71: 40-41 (Abstract). Botanical Society of America. Colorado State University, Fort Collins, Colorado.

Moseley, M.F., I.J. Mehta, P.S. Williamson, and H. Kosakai. 1983. The floral anatomy of *Cabomba*. Amer. J. Bot. 70: 27 (Abstract). Botanical Society of America. University of North Dakota, Grand Forks, North Dakota.

5. Reports: NA

6. Book Reviews: NA

7. Other Works in Print: NA

B. Works not in Print:
1. Papers Presented at Professional Meetings
See Abstracts in A. 2. and Invited Presentations in B. 2

2. Invited Talks, Lectures, and Presentations:

Golato, A. and P.S. Williamson. 2014. National Graduate Student Appreciation Week as a marketing tool. Conference of Southern Graduate Schools. San Antonio, Texas.

Williamson, P.S. 2012. Conservation biology, the road to recovery. International Research Conference for Graduate Students. Texas State University-San Marcos. San Marcos, Texas.

Person, B., B. Rafert, B. Webb, and P.S. Williamson. 2010. Faculty Advising: A Social Networking Problem. Conference of Southern Graduate Schools annual meeting, Savannah, Georgia, 2010.

Williamson, P.S. 2009. Responsible conduct of research: Gauging the existing ethical climate on campus. Association of Texas Graduate Schools. University of Texas at Arlington, Arlington, Texas.

Willoughby, M., P. Williamson, C. Barrera, and G. Garcia. 2008. Increasing faculty diversity: Texas State Predoctoral Summer Fellowship Program. Association of Texas Graduate Schools. University of North Texas, Denton, Texas.

Williamson, P.S. and J.M. Osborn. 1999. A review of pollination biology and pollen structure in the Nymphaeales: Evolutionary implications. XVI International Botanical Congress, Aquatic Angiosperm Systematics and Evolution Symposium. St. Louis, Missouri.

Williamson, P.S. and E.L. Schneider. 1993. Morphological studies of the Nymphaeaceae sensu lato XX. Floral aspects of *Barclaya*: pollination, ontogeny and structure. XV International Botanical Congress. Yokohama, Japan.

Williamson, P.S. 1988. *Ondinea*, the new genus of Nymphaeaceae from Australia. Academia Sinica. Wuhan Institute of Botany, Wuhan, People's Republic of China.

Invited Research Seminars presented at: Baylor University, University of Texas at San Antonio, Willamette University

3. Consultancies: NA

4. Workshops:

2015 Next Steps: Planning a Grad School Event to Help Transition Your University's Undergrads. Chapter Strengthening Session. Alpha Chi National College Honor Society National Convention. Chicago, Illinois.

2014 #IsGradSchool4Me. Chapter Strengthening Workshop. Chapter Strengthening Session. Alpha Chi National College Honor Society National Convention. St. Louis, Missouri.

5. Other Works not in Print: NA

C. Grants and Contracts:

1. Funded External Research Grants and Contracts:

2015-18 USFWS/TPWD. Section 6, Endangered Species Grant. "Black lace cactus demographics, genetics and landowner conservation outreach project." $124,974.

2015-16 USDA APHIS. Farm Bill Grant. Survey of college youth's understanding of exotic species and attitudes towards plant pest control. $36,133. (Co-PI with Tina Cade)

2015 Edwards Aquifer Authority (Edwards Aquifer Habitat Conservation Plan). Effects of suspended sediments on Texas wild rice, other macrophytes, and macroinvertebrates. $75,000. (Co-PI with TB Hardy and WH Nowlin)

2012-15 USFWS/TPWD. Section 6, Endangered Species Grant. "Data synthesis and species assessments to aid in determining future candidate or listed status for plants from the USFWS lawsuit and settlements." $127,478.
2004-08 USFWS/TPWD. Section 6, Endangered Species Grant. "The Research and Recovery of Star Cactus (*Astrophytum asterias*)." $345,147.
2005 USFWS/TPWD. Section 6, Endangered Species Grant. "Protection on Private Lands and Research for Recovery of Large-fruited Sand-verbena." $86,454.
2002 USFWS/TPWD. "Johnston's frankenia conservation – annual monitoring." $17,000.
2001 USFWS/TPWD. "Lower Rio Grande Valley Candidate Plant Conservation." $74,925.
2001 USFWS. "Johnston's frankenia delisting." $1,975.
2000 USFWS. "Johnston's frankenia conservation – annual monitoring." $24,348.
1999 USFWS/TPWD. Section 6, Endangered Species Grant. "Effects of disturbance on *Thymophylla tephroleuca*, ashy dogweed (Asteraceae). $28,000.
1998 USFWS/TPWD. Section 6, Endangered Species Grant. "Large-fruited sand verbena landowner technical assistance program." $40,000. (2-year grant)
1998 U.S. Geological Survey. "Survey of the fishes and riparian and aquatic plants associated with South Central Texas NAWQA ecological reaches." $3,100.
1995 International Water Lily Society. "Field studies and conservation of *Nymphaea alba* var. *rubra* Lonnroth." $3,400.
1993 USFWS/TPWD. Section 6, Endangered Species Grant. "Survey and management of Johnston's frankenia populations." $49,434. (3-year grant)
1993 USFWS Contract Grant. "Study of large-fruited sand verbena (*Abronia macrocarpa*) and surrounding plant community in response to disturbance." $7,000.
1993 Botanical Society of America Travel Assistance Award to attend the XV International Botanical Congress, Japan. $800.
1992 USFWS/TPWD. Section 6, Endangered Species Grant. "Large-fruited sand verbena monitoring/management study." $51,859. (3-year grant)
1988 Suwanne Laboratories, Inc., Contract Grant. "Tubers of *Ondinea*." $3,500.
1986 University of California Research Grant. "The floral ontogeny of *Ondinea*." $600.
1983 Sigma Xi Grant-in-Aid of Research. $100.

2. Submitted, but not Funded, External Grants and Contracts: NA

3. Funded Internal Research Grants and Contracts:
1995 SWT Faculty Research Enhancement Grant. "Investigation of the population genetics of two endangered plant species (*Abronia macrocarpa* and *Frankenia johnstonii*) using isozyme electrophoresis." $5,426.
1991 SWT Research Enhancement Grant. "Reproductive biology of *Frankenia johnstonii* (Frankeniaceae)." $5,280.
1990 SWT Research Enhancement Grant. "Reproductive biology of *Physostegia* ." $4,500.
1988 Faculty Organized Research Grant, SWT. "The changing female wardrobe: evolution from gymnospermy to angiospermy." $3,950.

4. Submitted, but not Funded, Internal Grants and Contracts: NA

D. Fellowships, Awards, Honors:
Elected Fellow of Texas Academy of Science. 1992.

IV. SERVICE

A. Institutional (*denotes current service):
1. University
Student Societies:
*Co-sponsor, Alpha Chi National Honor Society, 2010-Present.
Co-advisor, Associated Student Government Graduate House, 2005-2014.
Advisor, Beta Beta Beta Biological Honor Society, 1990-2005.
Co-advisor, Alpha Chi National Honor Society, 1989-1999.

University Committee Service:
*Library Committee, 2015-Present.
Institutional Effectiveness Council, 2013-2014.
Executive Research Plan Committee, 2012-2013.
Hispanic-Serving Institution Research Symposium Planning Committee. 2013.
Task Force on Recruiting Texas State Email Account Owners as Research or Class Project Participants, 2012.
Legal Studies Advisory Board, 2008-2014.
Committee to Review Presidential Faculty Research Leaves, 2008-2013.
Program Director, Texas State Summer Predoctoral Fellowship Program, 2008-2013.
SACS Quality Enhancement Plan Task Force, 2008-2010.
Texas State Public Relations Strategic Task Force, 2010.
Assistant Dean of the Graduate College Search Committee, Chair, 2008.
Project to Identify Impediments to Email Effectiveness, 2008.
*Diversity and Gender Studies Advisory Committee, 2006-Present.
Extended & Distance Learning Steering Committee, 2006-2014.
Common Experience Selection Committee, 2006.
Service Award Selection Committee, 2005-2007.
Dean, College of Science Search Committee, 2004-2005.
Honors Scholarship Committee, 2004 and 2005.
Honors Committee, 2004-2006.
Honors Director Search Committee, 2004.
Tenure and Promotion Policy Review Committee, 2004-2005.
University College Assistant Dean Ad-Hoc Search Committee, 2003.
Service-Learning Committee, 2002-2007.
Transportation and Parking Committee, 2000-2009.
University College Assistant Dean Ad-Hoc Search Committee, 2000.
Aquarena Coordinating Committee, 1999-2002.
Faculty Advancement Advisory Committee, 1998-2000.
Freshman Academic Success Team (FAST), 1998.
Faculty Research Committee, 1997-2000.
Learning Experience Team (LET) Committee, 1997-1998.
University Lectures Committee, 1996-1999, Chair, 1999.
Governance Committee, Center for Nature and Heritage Tourism, 1996-2001.
School of Science Dean Search Committee, 1996-1997.
Presidential Award for Excellence in Teaching Selection Committee, 1994-1996.
Teaching Excellence Initiative, 1994.
University Interscholastic League Science Contest Director, 1992, 1993.

2. College:
*Ingram Endowed Chair in Engineering Search Committee, 2015-Present.
Chair of Biology Search Committee, Chair, 2005-2006.
College of Science Research Advisory Committee, Chair, 1997-2000.
SWT Staff Development Program. "Strategic Partnerships: Networking for Career Advancement, Promotion and Tenure." Panel Member Representing the School of Science, 1995.
School of Science Advisory Group on General Studies, 1994.
SWT Representative, Encouraging Women in the Mathematical and Natural Sciences Symposium, University of Texas, 1990.

3. Departmental:
*Lecturer / Senior Lecturer Evaluation PC Subcommittee, 2015-Present.
Biology Education Search Committee, Chair, 2014-2015.
Departmental Liaison to the Faculty Senate, 2014-2015.
Stream Ecologist Search Committee, 2013-2014
Development Committee, 2006-2008.
Wildlife Ecologist Search Committee, 2004-2005.
Developmental Biologist Search Committee, 2004-2005.
Quantitative Ecologist Search Committee, 2004.
Developmental Biologist Search Committee, Chair, 2004.
Ph.D. Steering Committee, 2003.
Landscape Ecologist Search Committee, 2003.
Biostats Search Committee, 2002.
Performance and Merit Teaching Committee, 2002-2003, Chair, 2004.
Performance and Merit Service Committee, 2000, Chair, 2001.
Ichthyologist Search Committee, 2000-2001.
Departmental Executive Committee, 1999-2004.
Chuck Nash Aquatic Studies Scholarship Committee, Chair, 1999-2002.
Aquatic Director Search Committee, 1999-2000.
Genetics Search Committee, Chair, 1999-2000.
Performance and Merit Teaching Committee, Chair, 1999.
Post Tenure Review Committee, 1999.
SACS Review Committee, 1998-1999.
Greenhouse Committee, 1997-2006, Chair, 1997-2004.
Graduate Committee, 1997-2005, Chair, 2004-2005.
Howard D. Schulze Biology Scholarship Selection Committee, 1997-2003.
Colloquium Committee, Chair, 1997-2001.
Molecular Systematist Search Committee, 1997-1999, Chair, 1997-1998.
Physiologist Search Committee, 1997-1998.
Outstanding Student Award Committee, Chair, 1997.
Vertebrate Physiologist Search Committee, 1997.
Awards Day Committee, 1996-1997.
Departmental Direction Committee, 1996.
Freshman Biology Committee, 1995.
Population Biologist Search Committee, 1993.
Biology 1310 Textbook Committee, 1993, Chair, 1993-1994.
Seminar Committee, 1991-2000.
Development of Teaching Gardens at the SWT Biology Greenhouses, 1991-1992.
Biology Lab Safety Committee, 1989.

Biology Scholarly Activity Committee, 1988-1990.

B. Professional (*denotes current service):

Offices held in Professional Societies:

Executive Committee, Conference of Southern Graduate Schools, 2011-2014.
Immediate Past-president, Southwestern Association of Naturalists, 2003-2005.
President, Southwestern Association of Naturalists, 2001-2003.
President-Elect, Southwestern Association of Naturalists, 1999-2001.
Institutional Representative, Society for Ecological Restoration, 1999.
Program Chairman and Executive Council Member, Texas Society for Electron Microscopy, 1993-1994.
State Membership Coordinator, American Association of Botanical Gardens and Arboreta, 1993.
Program Chairman Elect and Executive Council Member, Texas Society for Electron Microscopy, 1992-1993.
Chair, Botany Section, Texas Academy of Science, 1992-1993.
Vice-Chair, Botany Section, Texas Academy of Science, 1991-1992.
*Board of Governors, Southwestern Association of Naturalists, 1991-Present.
Treasurer, Southwestern Association of Naturalists, 1991-1999.
Board of Directors, International Water Lily Society, 1990-1998.
Treasurer, International Water Lily Society, 1990-1997.

Professional Society Committees:

Wilks Award Selection Committee, Southwestern Association of Naturalists, 2011.
*Honors Committee, Southwestern Association of Naturalists, 2010-Present.
Audit Committee, Conference of Southern Graduate Schools, 2008-Present, Chair 2009-2012.
Conservation Committee, Botanical Society of America, 2005-2008.
Research Selection Committee, International Water Lily and Water Gardening Society, 2005, 2007.
Honors Committee, Southwestern Association of Naturalists, 2003-2005.
Local Annual Meeting Committee, Southwestern Association of Naturalists, 2003-2004.
Institutional Representative, Botanical Society of America, 2000.
Institutional Representative, Society for Ecological Restoration, 1999.
Student Poster Award Committee, Chair, Southwestern Association of Naturalists, 1999-2001.
Wilks Award Committee, Chair, Southwestern Association of Naturalists, 1999-2001.
Botanical Concerns Ad Hoc Committee, Southwestern Association of Naturalists, 1996-2001.
Assessment of Dues Ad Hoc Committee, Southwestern Association of Naturalists, 1996-1997.
Disposition of Back Issues Ad Hoc Committee, Southwestern Association of Naturalists, 1994-1999.
Systematics Agenda 2000: Committee for Public Education, 1992.
Development Committee Ex-officio Member, Southwestern Association of Naturalists, 1991-1999.
University and College Gardens Committee, American Association of Botanical Gardens and Arboreta, 1991-1992.
Research Committee, International Water Lily Society, 1990-1999.
Local Host Committee, Texas Academy of Science, 1989-1990.

Recovery Team Member:

Appointed by the United States Department of the Interior to serve on the Navasota ladies'-tresses Recovery Team. The task was to develop a recovery plan for this endangered species. 2003-2009.

Other External Professional Service:

Judge for Alpha Chi Honor Society National Convention student presentation awards, 2014.
Reviewer for Alpha Chi Honor Society Region I student scholarships, 2014.
Grant reviewer for Texas Academy of Science student research grants, 2013.
Consultant to serve as external program reviewer of Biology graduate and undergraduate programs at Northeastern Illinois University, 2010.
Leader for Table Top Session on "Vireo-Electronic Thesis Dissertation Submission", Association of Texas Graduate Schools annual meeting, Edinburg, Texas, 2010.
University of Texas-Pan American Faculty Excellence Award Selection Committee, 2009.
Leader for Table Top Session on "Pathways to Diversity", Conference of Southern Graduate Schools annual meeting, Norfolk, Virginia, 2009.
Consultant to serve as external program reviewer of Biology graduate and undergraduate programs at Texas A&M University-Corpus Christi, 2007.
Moderator of Paper Sessions for: Southwestern Association of Naturalists, Texas Academy of Science, Texas Society for Electron Microscopy.
Grant reviewer for the National Geographic Society.

C. Community:

Community Outreach:

Guest lecturer for the Comal County Master Gardeners. 2008.
Guest lecturer for the Comal County Master Gardeners. 2002.
Field trip leader for the Native Plant Society annual meeting. 2001.
Field trip leader and guest lecturer for the Hays County Master Naturalists. 2001.
Invited Speaker. "Big Bugs Series." National Wildflower Research Center. 1997.
Invited Speaker. "The Wetlands Project." SWT School of Science Homecoming Event. 1997.
Invited Speaker. "SWT Wetlands Project." San Marcos River Foundation. 1997.
Wetlands Project Display Pond with Boardwalk. 1997.
Wetlands Project Exhibit at Aquarena Gift Shop. 1996.
Aquarena Open House for Texas Teachers - Wetlands Exhibit. 1996.
Invited Speaker. "SWT Wetlands Project." San Marcos Chamber of Commerce. 1996.
Invited Speaker. "SWT Wetlands Project" presentation made to the Mayor's Blue Ribbon Committee on Tourism Development. 1996.
Invited Speaker. "Pollination biology." National Wildflower Research Center. 1995.
SWT Day. "Tour of Biology Greenhouses for 8th Graders. 1994.
"Rainforests." Guest Speaker for Gifted Student Program, Travis Elementary. 1994.
Tour of SWT Natural Science Center. SWT Parent's Association. 1993.
"Structural Features of Aquatic Plants." Program for North Shore Middle School. 1992.
"Women in Science." Program for San Marcos Girl Scout Troops. 1992.
Research Project Symposium. Botany Science Fair Projects for Owen Goodnight Junior High. 1991.
NASA Tomato Seed Space Project. Research Program for Owen Goodnight Junior High. 1990.

Reviewed manuscripts for: American Journal of Botany, Journal of Arid Environments, Journal of Systematics and Evolution, Journal of the Torrey Botanical Society, Madroño, Southwestern Naturalist, Water Garden Journal, Western North American Naturalist.
Associate Editor for "Biology and Ecology of Rare Plants of the Southwest" symposium papers.

D. Service Honors and Awards:

Texas State Excellence in Diversity Nominee. 2010, 2011.
Texas State Quality Team Award. 2010.
Southwestern Association of Naturalists Meritorious Service Award. 2009.

Texas State University Presidential Award for Excellence in Service. $5,000. 2005.
College of Science Finalist for the Presidential Award for Excellence in Service. $2,000. 2001.
Featured in the exhibit honoring Southwest Texas Women: The First Hundred Years. 2000.
Meritorious Service Award. Alpha Chi National Honor Society. 1999.

E. Service Grants and Contracts
1. Funded External Service Grants and Contracts: NA

2. Submitted, but not Funded, External Service Grants and Contracts: NA

3. Funded Internal Service Grants and Contracts: NA

4. Submitted, but nor Funded, Internal Service Grants and Contracts: NA