

## TEXAS STATE VITA

### ACADEMIC BACKGROUND

David E. Lemke

Professor of Biology

### Educational Background

Ph.D.	1983	Botany	The University of Texas at Austin
B.S.	1975	Biology	Bucknell University

### University Experience

1997–present	Professor	Texas State University
1992–1997	Associate Professor	Texas State University
1984–1992	Assistant Professor	Texas State University
1983–1984	Visiting Assistant Professor	University of Texas at El Paso
1980–1981	Instructor	Louisiana State University

### Relevant Professional Experience

1982–1983	Environmental Consultant	Morrison-Knudsen Co., Inc.
1981–1982	Botanical Consultant	Texas Department of Health

### TEACHING

#### Teaching Honors and Awards:

1998	Presidential Award for Excellence in Teaching, Texas State University
1996	Tri-Beta Teaching Award

#### Courses Taught:

Bio 1310	General Biology
Bio 1320	Modern Biology I
Bio 1410	Introduction to Plant Biology
Bio 2410	General Botany
Bio 3400	Evolution and Genetics
Bio 3461	Plant Taxonomy
Bio 4305/5305	Nature Study

Bio 4410/5410	Field Biology of Plants
Bio 4411/5411	Plant Morphology
Bio 4416	General Ecology
Bio 5100	Professional Development
Bio 5110	General Biology Seminar
Bio 5318	Special Topics in Botany: Biology of Aquatic Plants
Bio 5318	Agrostology
Bio 5362	Environmental Impact Analysis
Bio 7426	Ecology and Management of Aquatic Macrophytes

**Graduate students directed:**

Fulton, Steven	In progress	Pollination biology of Texas snowbells ( <i>Styrax texanus</i> ).
Henson, Jeremy	In progress	A comparative analysis of plant species distribution and growth response to edaphic features between the San Saba River and a tributary.
Angermeier, Joe	In progress	Vegetative analysis of the Griffith League Ranch in the Lost Pines of Texas.
Aplaca, Jed	In progress	The non-native flora of Texas.
Malone, Dawnelle	2008	Baseline studies of invasive African buffelgrass ( <i>Cenchrus ciliaris</i> ) in Big Bend National Park.
Wakefield, Andrea	2004	Megastrobilus development in <i>Juniperus ashei</i> (Cupressaceae).
Hagenbuch, Karl	2003	A vegetative key to the grasses (Poaceae) of the Balcones Canyonlands of Texas.
Marr, Minette	2000	The vascular flora of McKinney Roughs, Bastrop County, Texas.
Roberts, Roland	1996	The Euphorbiaceae of Texas.
Sanchez, Laura	1994	The vegetation of Hill Country State Natural Area, Bandera and Medina Counties, Texas.
Ahmad, Lisa	1993	Woody plant communities of Guadalupe River State Park, Comal and Kendall counties, Texas.
Benn, Stephen	1992	Leaf anatomy and architecture in Neotessmannieae (Tiliaceae).
Angerstein, Kort	1992	Systematic anatomy of the leaf in Lacistemaceae.
Oakley, Melani	1990	Mycorrhizal inoculum potential as a factor in revegetation of surface-mined lands.

Lyday, George	1989	Plant associations of the Edwards, Walnut and Glen Rose formations in Hays County, Texas.
Labus, Zachary	1989	The vegetation of Seminole Canyon State Park, Val Verde County, Texas.

### **Courses Prepared and Curriculum Development**

Responsibility for developing and introducing the following courses:

Bio 1421 Modern Biology II Laboratory  
 Bio 3400 Evolution and Genetics  
 Bio 5100 Professional Development  
 Bio 7426 Ecology and Management of Aquatic Macrophytes

Assisted in the initial planning and development of the following interdisciplinary courses:

Eng 3345 Southwestern Studies I  
 Eng 3346 Southwestern Studies II

### **Funded External Teaching Grants and Contracts:**

2008 U.S. Department of Education, \$41,500  
 1992 National Endowment for the Humanities (with M. Busby), \$160,000  
 1991 National Science Foundation (with E. Schneider and S. Tarsitano), \$25,100

### **Funded Internal Teaching Grants and Contracts:**

1998 Faculty Advancement Center Award

## **SCHOLARLY/CREATIVE**

### **Textbooks**

- Lemke, D. E. 2003. Laboratory manual for modern biology, 3rd ed. Stipes Publishing, Champaign, IL.
- Lemke, D. E. 2002. Laboratory manual for modern biology, 2nd ed. Stipes Publishing, Champaign, IL.
- Lemke, D. E. 2001. Laboratory manual for modern biology. Stipes Publishing, Champaign, IL.
- Lemke, D. E. 1991. Introduction to plant biology, 2nd ed. Burgess International Publishers, Edina, Minnesota. 130 pp.
- Lemke, D. E. 1990. Introduction to plant biology. Burgess International Publishers, Edina, Minnesota. 114 pp.

## Chapters in Books

Lemke, D. E. and C. E. Main. 1990. Distribution of *Nicotiana repanda* in southern and central Texas; a potential source of inoculum. Pp. 179-182 in *Blue Mold Disease of Tobacco*, C. E. Main and H. W. Spurr (eds.), North Carolina State Univ.

## Refereed Journal Articles

Lemke, D. E. In review. Aquatic vegetation of the San Marcos River, Hays Co., Texas. *Journal of the Botanical Research Institute of Texas*.

Lemke, D. E. 2009 (in press). *Cyrillaceae*. *Flora of North America* 7:xxx-xxx.

Lemke, D. E. and J. L. Aplaca. 2006. *Erodium malacoides* (Geraniaceae), new to Texas. *Sida* 22:1245-1249.

Olson, D. W., M. S. Olson, R. L. Doescher, L. L. Lambert, D. E. Lemke, A. M. Carl, R. Johnson, S. D. Smith and K. H. Trede. 1997. Piñon pines and the route of Cabeza de Vaca. *Southwestern Historical Quarterly* 101:175-186.

Lemke, D. E. 1994. New collection records for the aquatic macrophytes *Ceratopteris thalictroides* (Parkeriaceae) and *Limnophila sessiliflora* (Scrophulariaceae) in Texas. *Sida* 16:379-381.

Angerstein, M. B. and D. E. Lemke. 1994. First records of the aquatic weed *Hygrophila polysperma* (Acanthaceae) from Texas. *Sida* 16:365-371.

Lemke, D. E. 1994. *Quercus laceyi* (Fagaceae) new to the Llano Uplift region of central Texas. *Sida* 16:381-382.

Lemke, D. E. 1993. First record of *Hydrilla verticillata* (L. f.) Royle (Hydrocharitaceae) from the Lesser Antilles. *Phytologia* 74:330-332.

Lemke, D. E. 1992. *Schinus terebinthifolius* (Anacardiaceae) in Texas. *Phytologia* 72:42-44.

Lemke, D. E. and R. D. Worthington. 1991. *Brassica* and *Rapistrum* (Brassicaceae) in Texas. *South-western Naturalist* 36:194-197.

Lemke, D. E. 1991. The genus *Solanum* (Solanaceae) in Texas. *Phytologia* 71:362-378.

Hutzler, P. and D. E. Lemke. 1991. Recent collections of *Heliotropium europaeum* (Boraginaceae) from Texas. *Sida* 14:618-619.

Lemke, D. E. 1989. Aquatic macrophytes of the upper San Marcos River, Hays Co., Texas. *South-western Naturalist* 34:289-291.

Lemke, D. E. and V. Wesby. 1989. *Anchusa azurea* (Boraginaceae), new to Texas. *Sida* 13:516.

Lemke, D. E. 1988. A synopsis of Flacourtiaceae. *Aliso* 12:28-43.

- Lemke, D. E. and E. L. Schneider. 1988. *Xanthosoma sagittifolium* (Araceae): New to Texas. South-western Naturalist 33:498-499.
- Lemke, D. E. 1987. Morphology, xylem anatomy, and relationships of *Neopringlea* (Flacourtiaceae). Systematic Botany 12:609-616.
- Lemke, D. E. 1987. First report of *Lechea pulchella* (Cistaceae) for Texas. Southwestern Naturalist 32:278-279.
- Lemke, D. E. 1987. *Amsonia ludoviciana* (Apocynaceae). In: Chromosome number reports XCVI, A. Love [ed.]. Taxon 36:659.
- Lemke, D. E. 1987. Recent collections and a redescription of *Amsonia ludoviciana* (Apocynaceae). Sida 12:343-346.
- Lemke, D. E. 1987. Tribal relationships of *Bartholomaea* (Flacourtiaceae). Brittonia 39:436-439.
- Lemke, D. E. 1983. Taxonomy of *Neopringlea* (Flacourtiaceae). Systematic Botany 8:430-435.
- Lemke, D. E., J. Tonzetich and M. V. Shumeyko. 1979. Resistance to radiation-induced chromosomal rearrangements in *Drosophila simulans*. Drosophila Information Service Bulletin 53:159-161.
- Lemke, D. E. and J. Tonzetich. 1978. Observations of inversions in polytene chromosomes using the alkali-urea technique. Drosophila Information Service Bulletin 52:87-88.

### **Papers Presented at Professional Meetings**

- Lemke, D. E. and K. A. Angerstein. 2009. Localization of osmophores in the flowers of stapeliads (Apocynaceae, Asclepiadoideae). Annual meeting of the Texas Academy of Science, Texas Tech University Center, Junction.
- Lemke, D. E. and K. A. Angerstein. 2008. Distribution of osmophores in the carrion flowers (Apocynaceae, Asclepiadoideae). Annual meeting of the Texas Academy of Science, Texas A&M University, Corpus Christi.
- Miller, S. A. and D. E. Lemke. 2008. Determining the relationship between *Cyanospora albicedrae* (Ascomycota: Stictidaceae) and *Juniperus ashei* (Magnoliophyta: Cupressaceae). Annual meeting of the Texas Academy of Science, Texas A&M University, Corpus Christi.
- Aplaca, J. and D. E. Lemke. 2007. The non-native flora of Texas. Annual meeting of the Southwestern Association of Naturalists, Tarleton State University, Stephenville.
- Lemke, D. E. and D. J. Rosen. 2007. The systematic and phylogenetic potential of culm anatomy in *Eleocharis* subgenus *Limnochloa* (Cyperaceae). Annual meeting of the Texas Academy of Science, Baylor University, Waco

- Russell, M. M. and D. E. Lemke. 2006. Changes in vegetation composition in constructed wetponds in central Texas. Annual meeting of the Texas Academy of Science, Lamar University, Beaumont.
- Block, T. and D. E. Lemke. 2006. Spine development in African stapeliads. Annual meeting of the Texas Academy of Science, Lamar University, Beaumont.
- Lemke, D. E. and K. A. Angerstein. 2005. Systematic anatomy of the leafy stapeliad, *Caralluma frerei* (Apocynaceae, Asclepiadoideae). Annual meeting of the Texas Academy of Science, University of Texas-Pan American, Edinburg.
- Wakefield, A. and D. E. Lemke. 2005. Megastrobilus development in *Juniperus ashei* (Coniferophyta, Cupressaceae). Annual meeting of the Southwestern Association of Naturalists, Sam Houston State University, Huntsville.
- Hagenbuch, K. and D. E. Lemke. 2004. A vegetative key to the grasses (Poaceae) of the Balcones Canyonlands of Texas. Annual meeting of the Texas Academy of Science, Schreiner University, Kerrville.
- Barnes, P., M. Huston and D. E. Lemke, 2004. Texas versus Tennessee: comparing patterns of exotic plant invasions. Annual meeting of the Southwestern Association of Naturalists, University of Texas, San Antonio.
- Hagenbuch, K. and D. E. Lemke. 2004. Vegetative identification of Texas Hill Country grasses. Annual meeting of the Southwestern Association of Naturalists, University of Texas, San Antonio.
- Lemke, D. E. and P. W. Barnes. 2003. A half-century of Southwestern botany: past accomplishments and future prospects. Annual meeting of the Southwestern Association of Naturalists, University of Oklahoma, Norman.
- Wakefield, A. and D. E. Lemke. 2002. Strobilus development in *Juniperus ashei* (Coniferophyta: Cupressaceae). Annual meeting of the Texas Academy of Science, Texas A&M International University, Laredo.
- Malone, D., D. E. Lemke and J. P. Sirotinak. 2002. Baseline studies of invasive African buffelgrass (*Cenchrus ciliaris*, Poaceae) in Big Bend National Park. Annual meeting of the Texas Academy of Science, Texas A&M International University, Laredo.
- Lemke, D. E. 2001. Invasive aquatic weeds in Texas rivers. Annual meeting of the Texas River Monitors, Aquarena Center, San Marcos, Texas.
- Lemke, D. E. 2001. The non-native flora of Texas. Annual meeting of the Texas Society for Ecological Restoration, Kerrville, Texas.
- Marr, M. and D. E. Lemke. 2000. The vascular flora of McKinney Roughs, Bastrop County, Texas. Annual meeting of the Texas Academy of Science, Texas A&M University, Kingsville.
- Hagenbuch, K. W. and D. E. Lemke. 2000. The vegetation of Devils Sinkhole State Natural Area, Edwards County, Texas. Annual meeting of the Texas Academy of Science, Texas A&M University, Kingsville.

- Lemke, D. E., M. Marr and B. W. Banks. 2000. Weeds: Adventive and introduced plants in Texas. Annual meeting of the Texas Academy of Science, Texas A&M University, Kingsville.
- Lemke, D. E. and M. M. Russell. 1999. Effect of the October 1998 flood on the aquatic macrophyte community of the upper San Marcos River. Annual meeting of the Texas Academy of Science, Texas Lutheran University.
- Marr, M. and D. E. Lemke. 1999. Effects of submergence on the morphology and anatomy of *Bacopa monnieri* (Scrophulariaceae). Annual meeting of the Texas Academy of Science, Texas Lutheran University.
- Hagenbuch, K. W. and D. E. Lemke. 1999. First record of the genus *Cryptocoryne* (Araceae) from Texas. Annual meeting of the Texas Academy of Science, Texas Lutheran University.
- Wakefield, A. and D. E. Lemke. 1999. Morphology and anatomy of the Texas species of *Marsilea* (Pteridophyta: Marsileaceae). Annual meeting of the Texas Academy of Science, Texas Lutheran University.
- McHenry, D. J. and D. E. Lemke. 1999. Morphology and anatomy of the vegetative organs of *Justicia americana* (Acanthaceae). Annual meeting of the Texas Academy of Science, Texas Lutheran University.
- Lemke, D. E. and K. A. Angerstein. 1998. Aquatic macrophyte communities of the upper San Marcos River, Hays County, Texas. Annual meeting of the Texas Academy of Science, University of Texas, Tyler.
- Lemke, D. E., D. W. Olson, M. S. Olson, R. L. Doescher, and L. L. Lambert. 1998. Piñon pines and the route of Cabeza de Vaca. Annual meeting of the Texas Academy of Science, University of Texas, Tyler.
- Rueckle, T. N. and D. E. Lemke. 1997. A systematic survey of foliar trichome morphology in Flacourtiaceae. Annual meeting of the Texas Academy of Science, Sam Houston State University, Huntsville.
- Lemke, D. E., D. W. Olson, M. S. Olson, R. L. Doescher, and L. L. Lambert. 1997. Piñon pines and the route of Cabeza de Vaca. Annual meeting of the Southwestern Association of Naturalists, University of Arkansas, Fayetteville.
- Lemke, D. E. and M. B. Angerstein. 1996. Aquatic macrophytes of the upper San Marcos River, Hays Co., Texas. Annual meeting of the Texas Academy of Science, Texas A&M University, Galveston.
- Jacques, B. R. and D. E. Lemke. 1996. Occurrence of vesicular-arbuscular mycorrhizae in aquatic macrophytes of the upper San Marcos River, Hays Co., Texas. Annual meeting of the Texas Academy of Science, Texas A&M University, Galveston.
- Roberts, R. P. and D. E. Lemke. 1996. The Euphorbiaceae of Texas. Annual meeting of the Texas Academy of Science, Texas A&M University, Galveston.

- Lemke, D. E. and M. B. Angerstein. 1996. Aquatic macrophytes of the upper San Marcos River, Hays Co., Texas. Annual meeting of the Southwestern Association of Naturalists, University of Texas-Pan American.
- Jacques, B. R. and D. E. Lemke. 1996. Occurrence of vesicular-arbuscular mycorrhizae in aquatic macrophytes of the upper San Marcos River, Hays Co., Texas. Annual meeting of the Southwestern Association of Naturalists, University of Texas-Pan American.
- Roberts, R. P. and D. E. Lemke. 1996. The Euphorbiaceae of Texas. Annual meeting of the Southwestern Association of Naturalists, University of Texas-Pan American.
- Angerstein, K. A. and D. E. Lemke. 1995. The vegetation of Kickapoo Cavern State Natural Area, Kinney and Edwards Counties, Texas. Annual meeting of the Texas Academy of Science, Baylor University.
- Angerstein, M. B. and D. E. Lemke. 1995. First records of the aquatic weed *Hygrophila polysperma* (Acanthaceae) from Texas. Annual meeting of the Texas Academy of Science, Baylor University.
- Roberts, R. P. and D. E. Lemke. 1995. Geographic relationships of the vascular flora of Grenada. Annual meeting of the Texas Academy of Science, Baylor University.
- Sanchez, L. L. and D. E. Lemke. 1995. Vegetation of Hill Country State Natural Area, Bandera and Medina Counties, Texas. Annual meeting of the Southwestern Association of Naturalists, Shreveport, Louisiana.
- Lemke, D. E. 1995. The pteridophyte flora of Texas. Annual meeting of the Southwestern Association of Naturalists, Shreveport, Louisiana.
- Ahmad, L. K. and D. E. Lemke. 1994. Woody plant communities of Guadalupe River State Park, Comal and Kendall counties, Texas. Annual meeting of the Texas Academy of Science, Texas Southern University.
- Angerstein, K. A., L. L. Lackey and D. E. Lemke. 1994. The genus *Myriophyllum* (Haloragaceae) in Texas. Annual meeting of the Texas Academy of Science, Texas Southern University.
- Lackey, L. L. and D. E. Lemke. 1994. Vegetation of Hill Country State Natural Area, Bandera and Medina Counties, Texas. Annual meeting of the Texas Academy of Science, Texas Southern University.
- Lemke, D. E. 1994. The pteridophyte flora of Texas. Annual meeting of the Texas Academy of Science, Texas Southern University.
- Lemke, D. E. and K. A. Angerstein. 1994. Anatomy and architecture of the leaf in Flacourtiaceae: tribes Homalieae, Prockieae and Scolopieae. Annual meeting of the American Society of Plant Taxonomists, Knoxville, Tennessee.
- Lemke, D. E. 1993. *Euphorbia* and *Chamaesyce* (Euphorbiaceae) in Texas. Annual meeting of the Texas Academy of Science, University of North Texas, Denton.

- Ahmad, L. K. and D. E. Lemke. 1993. Woody plant communities of Guadalupe River State Park, Comal and Kendall counties, Texas. Annual meeting of the Southwestern Association of Naturalists, Springfield, Missouri.
- Lemke, D. E. 1993. Structure and systematic significance of the extrafloral nectaries of *Melia azedarach* and *Azadirachta indica* (Meliaceae). Annual meeting of the American Society of Plant Taxonomists, Iowa State University.
- Lemke, D. E. 1992. Taxonomy of *Solanum* (Solanaceae) in Texas. Annual meeting of the Texas Academy of Science, Midwestern State University, Wichita Falls, Texas.
- Angerstein, K. A. and D. E. Lemke. 1992. Anatomy and architecture of the leaf in Lacisternaceae. Annual meeting of the Texas Academy of Science, Midwestern State University, Wichita Falls, Texas.
- Lemke, D. E. 1992. Taxonomy of *Solanum* (Solanaceae) in Texas. Annual meeting of the Southwestern Association of Naturalists, Texas Tech University Center, Junction, Texas.
- Angerstein, K. A. and D. E. Lemke. 1992. Systematic anatomy of the leaf in Lacisternaceae. Annual meeting of the Southwestern Association of Naturalists, Texas Tech University Center, Junction, Texas.
- Lemke, D. E. and K. A. Angerstein. 1992. Systematic anatomy and architecture of the leaf in Lacisternaceae. Annual meeting of the American Society of Plant Taxonomists, Honolulu, Hawaii.
- Jones, S. L. and D. E. Lemke. 1991. The extrafloral nectaries of *Melia azedarach* (Meliaceae). Annual meeting of the Texas Academy of Science, Stephen F. Austin State University.
- Benn, S. J. and D. E. Lemke. 1991. Taxonomy of Neotessmanniaceae (Tiliaceae). Annual meeting of the Texas Academy of Science, Stephen F. Austin State University.
- Jones, S. L. and D. E. Lemke. 1991. The extrafloral nectaries of *Melia azedarach* (Meliaceae). Annual meeting of the Southwestern Association of Naturalists, University of Texas at El Paso.
- Benn, S. J. and D. E. Lemke. 1991. Taxonomy of Neotessmanniaceae (Tiliaceae). Annual meeting of the Southwestern Association of Naturalists, University of Texas at El Paso.
- Benn, S. J. and D. E. Lemke. 1991. Taxonomy of Neotessmanniaceae (Tiliaceae). Annual meeting of the American Society of Plant Taxonomists, San Antonio, Texas.
- Lemke, D. E., G. Norton, J. Horbacewski, and M. K. Oakley. 1990. Natural revegetation of abandoned strip-mined lands in east-central Texas. Annual meeting of the Texas Academy of Science, South-west Texas State University.
- Oakley, M. K. and D. E. Lemke. 1990. Endomycorrhizal inoculum potential of unreclaimed strip-mined lands. Annual meeting of the Texas Academy of Science, Southwest Texas State University.

- Williamson, P. S., E. L. Schneider, and D. E. Lemke. 1990. Ecological anatomy of *Nuphar luteum* leaves. Annual meeting of the Texas Society for Electron Microscopy, Kerrville.
- Oakley, M. K., D. E. Lemke, and R. D. Koehn. 1990. Endomycorrhizal inoculum potential of surface mined lands: A bioassay of different aged sites. Annual meeting of the Southwestern Association of Naturalists, University of North Texas.
- Oakley, M. K., D. E. Lemke, and R. D. Koehn. 1990. Endomycorrhizal inoculum potential of surface mined lands: A bioassay of different aged sites. Annual meeting of the Botanical Society of America, Richmond Center, Virginia.
- Williamson, P. S., E. L. Schneider, and D. E. Lemke. 1990. Morphoplasticity in the leaves of *Nuphar luteum* (Nymphaeaceae). Annual meeting of the Botanical Society of America, Richmond Center, Virginia.
- Lemke, D. E. 1989. Occurrence of the blue mold fungus (*Peronospora tabacina*) on wild tobacco species in South Texas. Annual meeting of the Texas Academy of Science, Lamar University.
- Labus, Z. and D. E. Lemke. 1989. The vegetation of Seminole Canyon State Park. Annual meeting of the Texas Academy of Science, Lamar University.
- Lyday, G. M. and D. E. Lemke. 1989. Vegetation as an indicator of geological formations in central Texas. Annual meeting of the Texas Academy of Science, Lamar University.
- Labus, Z. and D. E. Lemke. 1989. The vegetation of Seminole Canyon State Park, Val Verde Co., Texas. Annual meeting of the Southwestern Association of Naturalists, Arkansas State University, Jonesboro.
- Lyday, G. M. and D. E. Lemke. 1989. Vegetation as an indicator of geological formations in central Texas. Annual meeting of the Southwestern Association of Naturalists, Arkansas State University, Jonesboro.
- Lemke, D. E. 1989. A systematic survey of trichome morphology in Flacourtiaceae. Annual meeting of the American Society of Plant Taxonomists, University of Toronto.
- Lyday, G. M. and D. E. Lemke. 1988. Woody plant communities of the Edwards, Walnut, and Glen Rose formations in Hays Co., Texas. Annual meeting of the Texas Academy of Sciences, East Texas State University.
- Lemke, D. E. 1988. *Brassica* and *Rapistrum* (Brassicaceae) in Texas. Annual meeting of the South-western Association of Naturalists, Angelo State University.
- Lemke, D. E. 1988. Systematic relationships of *Muntingia* (*genus incertae sedis*). Annual meeting of the Southwestern Association of Naturalists, Angelo State University.
- Lemke, D. E. 1988. Systematic position of *Muntingia*—the rest of the story. Annual meeting of the American Society of Plant Taxonomists, University of California, Davis.
- Lemke, D. E. 1987. Distribution of *Nicotiana repanda* (Solanaceae) in Texas and its infection by *Peronospora tabacina*. Annual meeting of the Southwestern Association of Naturalists, Southwest Texas State University.

- Lemke, D. E. 1987. Systematic anatomy of the leaf in Flacourtiaceae: Tribe Homalieae. Annual meeting of the American Society of Plant Taxonomists, Ohio State University.
- Lemke, D. E. 1986. Floral morphology and relationships of *Bartholomaea* (Flacourtiaceae). Annual meeting of the American Society of Plant Taxonomists, University of Massachusetts.
- Lemke, D. E. 1985. A preliminary generic revision of Flacourtiaceae. Annual meeting of the American Society of Plant Taxonomists, University of Florida.
- Lemke, D. E. 1984. Taxonomic anatomy of *Muntingia calabura* (*genus incertae sedis*). Annual meeting of the American Society of Plant Taxonomists, Colorado State University.
- Lemke, D. E. 1983. Lignified trichomes as taxonomic characters. Annual meeting of the American Society of Plant Taxonomists, University of North Dakota.
- Lemke, D. E. 1983. Tribal redefinitions in Flacourtiaceae. Annual meeting of the American Society of Plant Taxonomists, University of North Dakota.
- Lemke, D. E. 1982. On the systematic position of the genus *Neopringlea*. Annual meeting of the American Society of Plant Taxonomists, Pennsylvania State University.

#### **Invited Talks, Lectures, Presentations**

- 1999 Native Plant Society of Texas, San Marcos, "Introduction to the aquatic plants of the upper San Marcos River."
- 1997 Texas Aquatic Plant Management Society, Austin, "Aquatic macrophytes of the upper San Marcos River.
- 1992 Southwest Texas State University, Department of Biology, "Epidemiology of tobacco blue mold disease: the Texas connection."
- 1990 Texas Aquatic Plant Management Society Annual Meeting, Austin, "Overview of the biology of aquatic macrophytes in Texas."
- 1986 Fairchild Tropical Garden, Miami, Florida, "A preliminary generic revision of Flacourtiaceae."
- 1983 Fairchild Tropical Garden, Miami, Florida, "Systematic anatomy of neotropical Flacourtiaceae."
- 1981 University of Texas at Austin, Department of Botany, "Systematic anatomy of the genus *Neopringlea*."
- 1980 Louisiana State University, Department of Botany, "Morphology and anatomy of the genus *Neopringlea*."

## **Grants and Contracts**

### **Funded External Grants and Contracts:**

2008 U.S. Department of Education  
2002 National Park Service  
2001 National Park Service  
1998 Texas Higher Education Coordinating Board  
1995 U.S. Fish and Wildlife Service  
1994 Texas Parks and Wildlife Department  
1994 Texas Parks and Wildlife Department  
1993 Texas Parks and Wildlife Department  
1989 North Carolina Agricultural Research Service  
1989 Texas Nature Conservancy  
1988 North Carolina Agricultural Research Service

### **Funded Internal Grants and Contracts:**

2008 Library Research Grant  
1997 Research Enhancement Award  
1989 Research Enhancement Award  
1988 Library Research Grant  
1987 Research Enhancement Award  
1987 Library Research Grant  
1986 Research Enhancement Award  
1986 Library Research Grant  
1985 Research Enhancement Award  
1985 Library Research Grant  
1984 Library Research Grant

### **Fellowships, Awards, Honors:**

1990 Elected Fellow, Texas Academy of Science

## **SERVICE**

### **University:**

2006–2008 Graduate Council member  
2005–2007 Facilities Planning Committee member  
2004–2006 Chair, Facilities and Environment Committee  
2005 Commencement Speaker Committee member

### **Departmental:**

2006–2008 Graduate Advisor  
2006 Chair, Plant Biologist Search Committee  
2005 Chair, Academic Program Review Committee  
2004–2007 Chair, Awards Day Committee  
2001–2007 Chair, Tenure and Promotion Tracking Committee

**Professional:**

2009 Chair, Botany section, Texas Academy of Science  
2008 Reviewer, Systematic Botany  
2008 Reviewer, Annals of the Missouri Botanical Garden  
2004–2006 Reviewer, Journal of the Botanical Research Institute of Texas  
2002–2007 Regional reviewer, Flora of North America

**Organizations****Honorary:**

Phi Sigma Biological Honor Society

**Professional:**

American Society of Plant Taxonomists  
Botanical Society of America  
Cactus and Succulent Society of America  
International Association of Plant Taxonomists  
Southwestern Association of Naturalists  
Texas Academy of Science