

TEXAS STATE VITA**I. Academic/Professional Background**

A. Name: Dr. Ken Mix

Title: Associate Professor

B. Educational Background

<i>Degree</i>	<i>Year</i>	<i>University</i>	<i>Major</i>	<i>Thesis/Dissertation</i>
PHD	2010	Texas State University	Aquatic Resources	
MS	2004	Texas A&M Univ-Kingsville	Range and Wildlife Management	
BS	1999	Ball State University	Natural Resources and Environmental Management and Protection	

C. University Experience

<i>Position</i>	<i>University</i>	<i>Dates</i>
Assistant Professor, Agriculture	Texas State University., TX	August 2011 - May 2016
Graduate Teaching Assistant, Biology	Texas State University., TX	May 2003 - May 2007
Graduate Teaching Assistant, Biology	Ball State University., IN	August 2000 - December 2000

D. Relevant Professional Experience

<i>Position</i>	<i>Entity</i>	<i>Dates</i>
Graduate Teaching Assistant	Texas State University, San Marcos, TX	2003 - 2009
Graduate Teaching Assistant	Ball State University, Muncie, IN	2000

II. TEACHING**A. Teaching Honors and Awards:**

Award / Honor Recipient: Favorite Professor, Alpha Chi, Alfred H. Nolle Chapter.
 January 1, 2016 - December 1, 2016
 January 1, 2011 - December 1, 2011

Award / Honor Recipient: Presidential Award for Teaching Excellence, College of Applied Arts:

January 1, 2015 - December 1, 2015

B. Courses Taught:

Texas State University:

AG 2313 - AGRONOMIC CROPS

AG 2379 - GEN HORT

AG 3308 - ORGANIC GARDENING

AG 3321 - RANGE MGT

AG 3329 - ECONOMIC ENTOMOLOG

AG 3329 - ECONOMIC ENTOMOLOGY

AG 3426 - SOIL SCIENCE I

AG 3427 - SOIL SCIENCE II

AG 4185 - CUR PRO TECH AG

AG 4302 - FRUIT VEG CROP PRO

AG 4310 - AG INTERNSHIP

AG 5370 - PROB TECH AG

AG 5370 - SPEC PROB TECH AG

AG 5426 - SOIL HEALTH AND DEVELOP

AGED 5199B - THESIS

AGED 5314 - PROB TCH VOC AG

AGED 5314 - SPEC PROB AGED

AGED 5399A - THESIS

AGED 5399B - THESIS

BIO 1421 - MODERN BIOLOGY II

IDS 5198 - INDEP INTER RES

SUST 5199B - THESIS

SUST 5399A - THESIS

SUST 5399B - THESIS

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Supervisor / Chair, Master's Thesis, "TBA", Status: Proposal. (August 2018 - Present).
Agriculture, Texas State University.

Student(s): Burt Barnes, Graduate, MS Integrated Agricultural Science.

Supervisor / Chair, Master's Thesis, "TBA", Status: Proposal. (August 2018 - Present).
Agriculture, Texas State University.

Student(s): Jaycob Gorski, Graduate, MS Integrated Agricultural Science.

Supervisor / Chair, Master's Thesis, "TBA", Status: Proposal. (August 2018 - Present).
Agriculture, Texas State University.

Student(s): Rose Flores, Graduate, MS Integrated Agricultural Science.

Supervisor / Chair, Master's Thesis, "The Effects of Soil and Foliar Amorphous Silica
Applications on Collard Greens and Cucumber", Status: Proposal. (January 2018 -
Present). Agriculture, Texas State University.

Student(s): Rafea Rea, Graduate, Master's.

Member, Project, "Sunlight capture with a passive optical fiber daylighting system using
a compound parabolic shape", Status: Completed. (January 2018 - Present).

Engineering, Texas State University.

Student(s): Katherine Casey, Undergraduate, BS.

Member, Project, "Effects of plant extracts on *Caenorhabditis elegans* mortality", Status:
In Progress. (January 2018 - Present). Agriculture, Texas State University.

Student(s): Trixie Wetmore, Undergraduate, BS.

Supervisor / Chair, Master's Thesis, "A Cross-Sectional Analysis of Soil Health in
Relation to Cover Cropping Practices", Status: Proposal. (August 2017 - Present).

Agriculture, Texas State University.

Student(s): Abby Herdon, Graduate, Master's.

Supervisor / Chair, Master's Thesis, "Biological Control of Sweetpotato Weevil (*Cylas
Formicarius*)", Status: In Progress. (August 2017 - Present). Agriculture, Texas State
University.

Student(s): Harpreet (Sony) Sandhu, Graduate, Master's.

Member, Master's Thesis, "The Impacts of Grazing Regimes on Forage Production",
Status: Proposal. (August 2017 - Present). Biology, Texas State University.

Student(s): Kristen Sustaita, Graduate, Master's.

- Member, Master's Thesis, "Anthelmintic Potential of Plant Extracts on Helminths in Small Ruminants", Status: In Progress. (August 2016 - Present). Agriculture, Texas State University.
Student(s): Taylor Luce, Graduate, Master's.
- Supervisor / Chair, Master's Thesis, "Water use comparison of field grown and container grown leafy greens", Status: In Progress. (2016 - Present).
Student(s): Manuel Jaurez, Graduate.
- Member, Master's Thesis, "Influence of variable planting time on the productivity of a corn-bean intercropping system", Status: In Progress. (August 2015 - Present).
Biology, Texas State University.
Student(s): Sarah Eisenmenger, Graduate, Master's.
- Member, Independent Study, "Early Detection of the Glassy-winged Sharpshooter using MEMS Technology", Status: In Progress. (January 2018 - December 2018). Ingram School of Engineering College of Science and Engineering, Texas State University.
Student(s): Natalie Ownby, Undergraduate, BS.
- Supervisor / Chair, Master's Thesis, "Multispecies intercropping yields compared to monocropping and land equivalency ratios", Status: In Progress. (January 1, 2015 - December 1, 2018). Department of Agriculture, Texas State University.
Student(s): Joshua Newton, Graduate.
- Supervisor / Chair, Master's Thesis, "Breeding an Ancient Crop Back into Production.", Status: In Progress. (January 1, 2015 - December 1, 2018). Department of Agriculture, Texas State University.
Student(s): Lorig Hawkins, Graduate.
- Supervisor / Chair, Honor's Thesis, "Interactive Entomology Displays and Education", Status: In Progress. (January 2018 - May 2018). Agriculture, Texas State University.
Student(s): Joseph Matza, Undergraduate, Bachelor's.
- Honor's Thesis, "What and Why Agriculture Changed: A comprehensive summary comparing the agricultural practices of B.C.E. farmers and conventional agriculture", Status: Completed. (January 2017 - May 2017). Agriculture, Texas State University.
Student(s): Cody Brown, Undergraduate.
- Honor's Thesis, "Martian Cultivation: Benefits and Limitations of Urban Agriculture in San Marcos, TX", Status: Completed. (January 2017 - May 2017). Agriculture, Texas State University.
Student(s): Natalie Dorman, Undergraduate.
- Supervisor / Chair, Master's non-Theses, "A Small Producers Assessment of Needs in the Current Changing Agricultural Climate: The Impact and Development of the Agrohood on Affluent and Economically Disadvantaged Communities.", Status: Completed. (May 2016).
Student(s): Marissa Lankes.

- Member, Master's Thesis, "Assessing the Efficacy of Third-Party Involvement in Farm-To-School Participation: Facilitating Connections Between Local Farmers and Food Service Managers in the Austin Independent School District.", Status: In Progress. (September 1, 2014 - May 1, 2016). Department of Geography, Texas State University.
Student(s): Renee Hardin, Graduate.
- Supervisor / Chair, Non-Thesis Project, "The Relationship Between Soil Texture, Phosphorus Content and Vegetation Community in Landa Lake, an Edwards Aquifer Spring Fed Lake in Texas.", Status: In Progress. (January 1, 2014 - May 1, 2016). Department of Agriculture, Texas State University.
Student(s): Travis Lee, Graduate.
- Supervisor / Chair, Master's Thesis, "Phosphorus Release in Texas Vertisols through the Application of Low-Molecular-Weight Organic Acids as a Fertilizer Alternative for the Agricultural Production of Solanum melongena", Status: Completed. (2013 - 2015). Agriculture, Texas State University.
Student(s): DAGOBERTO OSORIO, Graduate.
- Supervisor / Chair, Honor's Thesis, "Untapped oil reserves: A Quantitative, Cross-Species Analysis of Acorn Oil.", Status: Completed. (September 1, 2014 - May 1, 2015). Department of Agriculture, Texas State University.
Student(s): Hallie Casey, Undergraduate.
- Supervisor / Chair, Independent Study, "Acorn Oil Yield for Three Oak Species of Central Texas.", Status: Completed. (September 1, 2014 - May 1, 2015). Department of Agriculture, Texas State University.
Student(s): Hallie Casey, Undergraduate.
- Member, Master's Thesis, "Evaluation of Soil Chemistry in Human Decomposition Sites.", Status: Completed. (January 1, 2013 - May 1, 2015). Department of Anthropology, Texas State University.
Student(s): James Fancher, Graduate.
- Member, Master's Thesis, "The Use of Near-Infrared Remote Sensing in the Detection of Clandestine Human Remains", Status: Completed. (January 1, 2013 - May 1, 2015). Department of Anthropology, Texas State University.
Student(s): Marilyn Isaaks, Graduate.
- Member, Master's Thesis, "Rangeland Biomass Utilization: Mesquite as a Model for Energy, Food and Fodder in Central and South Texas", Status: Completed. (January 1, 2012 - May 1, 2015). Department of Agriculture, Texas State University.
Student(s): Charles Hoitt, Graduate.
- Member, Project, "Participation in the San Antonio Water System Watersaver Landscape Coupon Program: Program Satisfaction and Recommendations for the Future.", Status: Completed. (January 1, 2013 - December 1, 2014). Department of Geography, Texas State University.
Student(s): Julie Cornelius, Graduate.

- Supervisor / Chair, Honor's Thesis, "Ecological Economy: Integrating Beneficial Fungi to Our Production Systems.", Status: Completed. (January 1, 2014 - September 1, 2014). Department of Agriculture, Texas State University.
Student(s): Stephanie Manara, Undergraduate.
- Supervisor / Chair, Independent Study, "The Effects of Ground Soapwort and Isopropylene Glycol on Soil Water Drainage", Status: Completed. (January 1, 2014 - May 1, 2014). Department of Geography, Texas State University.
Student(s): Anna Berning, Undergraduate.
- Supervisor / Chair, Honor's Thesis, "Herbs: Cultivation, Culinary Use and Curative Properties.", Status: Completed. (September 1, 2013 - May 1, 2014). Texas State University.
Student(s): Ana Perez, Undergraduate.
- Supervisor / Chair, Project, "Could Multispecies Cover Cropping Increase Drought Tolerance of Cash Crops in Central Texas?", Status: Completed. (January 1, 2013 - May 1, 2014). Department of Biology.
Student(s): Neil Schmidt, Graduate.
- Member, Master's Thesis, "The Willingness to Pay for a Native Central Texan Plant as a Food Source.", Status: Completed. (September 1, 2012 - May 1, 2013). Department of Agriculture, Texas State University.
Student(s): Benjamin Glover, Graduate.
- Supervisor / Chair, Independent Study, "A Comparison of Propylene Glycol and Powdered Soapwort on Water Infiltration in Hydrophobic Soils.", Status: Completed. (September 1, 2012 - December 1, 2012). Department of Geography, Texas State University.
Student(s): Elizabeth Wrenn, Undergraduate.
- Supervisor / Chair, Independent Study, "Climate Change Related Effects on Autumnal Flows Of Headwater Streams of the Eastern Slope of the Lower Rocky Mountain", Status: Completed. (September 1, 2012 - December 1, 2012). Department of Geography, Texas State University.
Student(s): Mitchell Tucker, Undergraduate.
- Supervisor / Chair, Honor's Thesis, "A Comparison of Student Campaigns for Change at US Universities and an Outline for Developing a Campaign Structure within Texas State University", Status: Completed. (September 1, 2011 - May 1, 2012). Department of Geography, Texas State University.
Student(s): Katherine Tritsche, Undergraduate.
- Supervisor / Chair, Independent Study, "Changes in Autumnal Flows of Streams of the Rio Grand Headwaters and Eastern Slope of the Rocky Mountains", Status: Completed. (September 1, 2011 - December 1, 2011). Department of Geography, Texas State University.
Student(s): Anne Ruthstrom, Undergraduate.

Supervisor / Chair, Independent Study, "Increases in Crop Biomass in Soils Amended with Charcoal", Status: Completed. (September 1, 2010 - May 1, 2011). Department of Agriculture, Texas State University.
Student(s): Gregory Frank, Undergraduate.

Supervisor / Chair, Independent Study, "Use of Extracts from *Melia azadirach* Fruits and Roots as a Biopesticide", Status: Completed. (September 1, 2010 - May 1, 2011). Department of Agriculture, Texas State University.
Student(s): Travis Lee, Undergraduate.

D. Courses Prepared and Curriculum Development:

MS Integrated Agricultural Science, New Degree Program, Texas State University.
Approved: August 2018 - Present.

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

2. Articles:

a. Refereed Journal Articles:

Fancher, J. P., Aitkenhead-Peterson, J. A., Farris, T., Mix, K. D., Schwab, A. P., Wescott, D. J., & Hamilton, M. D. (2017). An Evaluation of Soil Chemistry in Human Cadaver Decomposition Islands. *Forensic Science International*, 279, 130–139. <https://doi.org/10.1016/j.forsciint.2017.08.002>

Mix, K. D., Lopes, V., & Groeger, A. W. (2017). Impacts of dam construction on streamflows during drought periods in the Upper Colorado River Basin, Texas. *Lakes and Reservoirs: Research and Management*, 21, 329–337.

Osorio, D., & Mix, K. D. (2016). Low-Molecular-Weight Organic Acids as a Phosphorus Fertilizer Supplement for Vegetable Production in Calcareous Soil Regions. *International Journal of Plant and Soil Science*. Published.

Mix, K. D. (2016). The water infiltration, hydraulic conductivity and water retention effects of ground *Saponaria officinalis* (L.) root as a soil surfactant. *International Journal of Plant and Soil Science*. Published.

Mix, K. D., Lopes, V. L., & Rast, W. (2015). A Systems Approach to Understanding the Evolution of the Agro-Social-Ecological System of the Upper Rio Grande-San Luis Valley, Colorado. *Journal of Water Resources Management*, 29(2), 233–251.

Groeger, A. W., Lopes, V. L., Mix, K. D., & Bass, D. (2015). Drought in Texas: Consequences of past decisions on current hydrological conditions. *Lake Line*. Published.

Mix, K. D., Lopes, V. L., & Rast, W. (2012). A Semi-Quantitative Analysis of Water Appropriations and Allocations in the Upper Rio Grande Basin, Colorado. *Journal of Irrigation and Drainage Engineering*, 138, 662–674.

Lee, T., & Mix, K. D. (2012). Evaluation of *Melia azedarach* as a botanical pesticide against beet armyworm (*Spodoptera exigua*). *Journal of Agricultural and Biological Science*, 7, 962–967.

Mix, K. D., Lopes, V. L., & Rast, W. (2012). Growing Season Expansion and Related Changes in Monthly Temperature and Growing Degree Days in the Inter-Montane Desert of the San Luis Valley, Colorado. *Climatic Change*, 114, 723–744.

Mix, K. D., Lopes, V. L., & Rast, W. (2011). Annual and Growing Season Climate Changes in the Alpine Desert of the San Luis Valley, Colorado. *Soil, Water and Air Pollution*, 220, 189–203.

Mix, K. D., Rast, W., & Lopes, V. L. (2011). Environmental Drivers of Streamflow Change in the Upper Rio Grande. *Journal of Water Resources Management*, 26, 253–272.

Mix, K. D. (2010). A Method for Identifying and Assessing Changes in Drivers and Linkages in a Social-Ecological System: The San Luis Valley, Colorado. *International Society for the System Sciences*, XXXIX(Bulletin).

Mix, K. D., Rast, W., & Lopes, V. L. (2010). Increases in Annual and Growing Season Growing Degree Days in the Alpine Desert of the San Luis Valley, Colorado. *Soil, Water and Air Pollution*, 205, 289–304.

3. Conference Proceedings:

a. Refereed Conference Proceedings:

Mix, K. D., Lopes, V. L., & Rast, W. (2013). A Multi-Dimensional Analysis of the Social-Ecological System of the Upper Rio Grande-San Luis Valley, Colorado.

4. Abstracts:

Lyon, S. D., Gress, S., Arce, D., Mix, K. D., & Benavides, E. A. (Accepted / In Press). Evaluation of *Haemonchus cortortus* hatch inhibition by three plant based products.

6. Book Reviews:

Mix, K. D. (2012). *Daly and Doyen's Introduction to Insect Biology and Diversity*. Oxford University Press.

10. Other Works in Print:

Chapter reviews:

Mix, K. D. (2013). *Precision Conservation to Enhance Wildlife Benefits in Agricultural Landscapes*. Access Books, USDA.

Professional reports:

Mix, K. D. (2009). *Regional Framework for Sustainable Use of the Rio Bravo*. San Marcos, TX: The River Systems Institute.

Mix, K. D. (2008). *Colorado River, Texas TDA*. San Marcos, TX: The River Systems Institute.

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

Davis, K., Minifie, J., Mix, K. D., 2016 Lilly Conference on Evidence-Based Teaching and Learning., "Measuring Service Learning Outcomes and Community Engagement for Continuous Improvement.," Austin, TX, United States. (2016).

Gandonou, J.-M., Cade, T. M., Mix, K. D., "An Estimation of the Willingness to Pay for Native Central Texan Fruit Using an Ordered Logit Model," Southwestern Social Science Association, San Antonio, TX. (2014).

Mix, K. D., "A Multi-Dimensional Analysis of the Social-Ecological System of the Upper Rio Grande-San Luis Valley, Colorado," Porto, Portugal. (2013).

Mix, K. D., The 52nd Annual Meeting of the International Society for the Systems Sciences, "Agriculturally Related Changes in Climate of the San Luis Valley," University of Wisconsin, Madison, WI. (2008).

Mix, K. D., The Welder Wildlife Foundation Symposium, "The Effects of Summer Prescribed Fire on Vegetation, Invertebrate and Avian Communities (paper)," Sinton, TX. (2004).

Mix, K. D., The Wildlife Society Annual Conference, "The Effects of Summer Prescribed Fire on Vegetation, Invertebrate and Avian Communities (paper)," Burlington, VT. (2003).

Mix, K. D., 3rd North American Ornithological Conference, "Effects of Summer Prescribed Fire on Taxa Richness and Abundance of Avian and Macroinvertebrate Populations and Associated Vegetative Changes," New Orleans, LA. (2002).

Mix, K. D., Annual Meeting of the Assoc. of Field Ornithologists and the Wilson Ornithological Society, "Effects of Summer Prescribed Fire on Taxa Richness and Abundance of Avian and Macroinvertebrate Populations and Associated Vegetative Changes," Naples, FL. (2002).

Mix, K. D., The Wildlife Society Annual Conference, "Effects of Summer Prescribed Fire on Taxa Richness and Abundance of Avian and Macroinvertebrate Populations and Associated Vegetative Changes," Bismarck, ND. (2002).

2. Invited Talks, Lectures, and Presentations:

Mix, K. D., Texas Hispanic Farmers and Ranchers Conference, "Potential Botanical Extracts for Pest Management," National Center for Appropriate Technology, Casa De Palmas Renaissance McAllen Hotel, McAllen, TX, United States. (December 2018).

Mix, K. D., Capital Farm Credit Next Generation Conference, "The Need for Beginning Farmers and Ranchers and Opportunities at TXState," Capital Farm Credit, The Hilton Garden Inn Victoria, Victoria, TX, United States. (September 2018).

Mix, K. D., Southwestern Soil and Water Conservation District Tour, "Research and Education in the Department of Agriculture at TXState," USDA, TXState, San Marcos, TX, United States. (September 2018).

Mix, K. D., International Research Conference on Higher Education 2017- IRCHE, "Publish or Perish: Publication in Peer Reviewed International Journals," IRCHE, Inna Grand Bali Resort, Denpasar, Bali, Indonesia. (January 2018).

Mix, K. D., Soil Science Basics Class, "Sustainable Agriculture," The Natural Gardener, The Natural Gardener, Austin, TX, United States. (May 2017).

Mix, K. D., Biology 7360 Guest Lecture, "Sustainable Agriculture." (March 15, 2015).

Mix, K. D., Philosophy Dialogue Series, "Sustainable Agriculture," San Marcos Public Library. (March 11, 2015).

Mix, K. D., Texas Organic Farmers and Gardeners Association 2015 Annual Conference, "Multispecies Winter Cover Cropping." (January 30, 2015).

Mix, K. D., Chihuahua Desert Research Institute, "Arid Lands Agriculture." (August 25, 2014).

Mix, K. D., Texas Alternative Agriculture Producers Forum, "Integrated Pest Management," Sam Houston State University. (June 3, 2014).

Mix, K. D., Summer program in Biomedical Sciences, "Agro-ecological relationships of insects and crops," Texas State University and VRDUR Institute. (July 28, 2012).

Mix, K. D., Supporting Women in Geography – Monthly meeting, "Vegetable gardening techniques and pest management," SWIG. (March 5, 2012).

Mix, K. D., AgriLIFE – San Marcos Grounds Maintenance Conference, "Integrated Pest Management for Cutworms and Armyworms in Turf and Hay Texas." (January 11, 2012).

3. Consultancies:

Board of Directors; Heirloom Blooms, Wimberley, TX. (2013 - Present).

River Systems Institute – Texas State research project: Sustainable Agricultural Water Conservation in the Rio Grande Basin “Adapting Conjunctive Strategies in Over-drafted Aquifers of the Rio Grande Basin”. (2010).

Red Panda network; Scientific and research advisor and grant development, Nepal. (2009 - 2010).

4. Workshops:

Mix, K. D., Second Annual Small Producer Conference, USDA, Capital Farm Credit, Texas Department of Agriculture, Texas State University, Department of Agriculture, San Marcos, TX, United States. (August 2018).

Mix, K. D., Eichler, M. A., Wagner, N. C., First Annual Small Producer Conference, "First Annual Small Producer Conference," Texas State University, USDA - Grant: RURAL-V, Texas State University, Department of Agriculture, San Marcos, TX, United States. (August 2017).

5. Other Works not in Print:

a. Works "submitted" or "under review":

Abstracts:

Wetmore, T., Luce, T. W., Gress, S., Mix, K. D., & Benavides, E. A.
(Submitted / Under Review). Effects of plant extracts on *Caenorhabditis elegans* mortality.

b. Works "in progress":

Journal Articles:

Mix, K. D. (In Preparation; Not Yet Submitted). Changes in Autumnal Flows in the Rio Grande, Arkansas and Red River Headwater Streams Related to Climate Change.

Mix, K. D., & Long, B. (In Preparation; Not Yet Submitted). The Different Effects of Soil Surfactants Polyethylene and Polypropylene Glycols Cascade Plus 16GTM) and Ground Soapwort Root on *Phaseolus vulgaris* Germination and Production.

Mix, K. D. (In Preparation; Not Yet Submitted). The Effects of a Soil Surfactant composed of Polyethylene and Polypropylene Glycols (Cascade Plus 16GTM) Compared to Ground Soapwort Root (*Saponaria officinalis*) on Range Plants Biomass in a Vertisol Before and After Natural Precipitation.

Mix, K. D. (In Preparation; Not Yet Submitted). A Conceptual Model of Changes in Stable States of a Socio-Ecological Complex System Using the Upper Rio Grande – San Luis Valley as a Case Study. *Systems Research and Behavioral Science*.

c. Other Works Not in Print:

Keynote / Plenary Addresses:

Mix, K. D., Texas Organic Farmers and Gardeners Association, TOFGA, Sheraton Georgetown Hotel & Conference Center, Georgetown, TX, United States. (February 2018).

Mix, K. D., International Research Conference on Higher Education, 2017 - IRCHE, "Commercializing Innovative Research in the University," IRCHE, Inna Grand Bali Resort, Denpasar, Bali, Indonesia. (January 2018).

Posters:

Owenby, N. (Presenter - Researcher), Forsman, B. (Presenter - Researcher), Aslan, S. (Advisor), Mix, K. D. (Advisor), TECHCON 2018, "Early Detection of the Glassy-winged Sharpshooter using MEMS Technology," Department of Engineering, TXState, Renaissance Austin Hotel, Austin, TX, United States. (September 16, 2018).

Sandhu, H. (Presenter - Researcher), Mix, K. D. (Advisor), Agricultural Consortium of Texas, "Botanical Control for Sweetpotato Weevil (*Cylas formicarius*)," Department of Agriculture, TXState, West Texas A&M, Canyon, TX, United States. (April 11, 2018).

Sandhu, H. (Presenter - Researcher), Mix, K. D. (Advisor), Texas Organic Farmers and Gardeners Association 2018 Conference, "Biological Control for Sweetpotato Weevil," Texas Organic Farmers and Gardeners Association, Sheraton Georgetown Hotel & Conference Center, Georgetown, TX, United States. (February 1, 2018).

Mix, K. D., Groeger, A., Lopes, V., "Exceptional Drought and the Impacts of Dams on Flows in the Colorado River, Texas.," Santa Fe, NM, United States. (2016).

Mix, K. D., Groeger, A., Lopes, V., National Center for Atmospheric Research - Climate Change, Global Food Security and the U.S. Food

System, "Impacts of Dam Construction on Streamflow During Drought Periods in the Upper Colorado River Basin, Texas," Boulder, CO. (2016).

Osorio, D., Mix, K. D., American Society for Horticultural Science, "Low-Molecular-Weight Organic Acids as a Phosphorus Fertilizer Alternative for the Agricultural Production of Solanum melongena in Semi-Arid Texas Soils," Orlando, FL. (2014).

Ruthstrom, A., Mix, K. D., 1st Annual Symposium of the Agriculture Consortium of Texas, "Changes in Autumnal Flows of Streams of the Rio Grand Headwaters," Alpine. (2011).

Mix, K. D., Lee, T., Annual Symposium of the Agriculture Consortium of Texas, "Use of Extracts from Melia azaderach Fruits and Roots as a Biopesticide," Alpine. (2011).

Mix, K. D., "Growing Season Climate Changes in the San Luis Valley, Colorado: Headwaters of the Rio Grande. Forecast: Climate Change Impacts on Texas Water," Austin, TX. (2008).

Mix, K. D., Southwestern Fire Conference, "Responses of Macroinvertebrate Communities to Summer Prescribed Fires," San Diego, CA. (2002).

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Asiabanpour, Bahram (Principal), Wagner, Nicole (Co-Principal), Mix, Kenneth D. EverGreen: A Cross-Disciplinary Research-Based Education Program for Hispanic Students at the Food-Water-Energy Intersection, U.S. Department of Agriculture, Federal, \$1,000,000.00. (Funded: September 2016 - September 2020). Sponsored Research.

Mix, Kenneth D. Texas State Serving Small Producers (aka The Small Producer Initiative), USDA, Federal, \$149,500.00. (Funded: March 2018 - February 2020). Grant.

Eichler, Matthew A, Mix, Kenneth D (Co-Principal), Wagner, Nicole Catherine (Co-Principal). RURAL-V: Reaching Underserved Rural Agricultural Latinos and Veterans, United States Department of Agriculture - Office of Advocacy and Outreach, Federal, \$146,342.00. (Submitted: May 2016, Funded: September 30, 2016 - September 29, 2017). Grant.

Eichler, Matthew (Principal), Mix, Kenneth D (Co-Principal), Wagner, Nicole (Co-Principal). RURAL-V: Reaching Underserved Rural Agricultural Latinos and Veterans, \$146,320.00. (Funded: September 2016). Grant.

Morris, Mike (Principal), Sechrist, Peggy (Co-Principal), Teague, Richard (Co-Principal), Mix, Kenneth D (Co-Principal). Soil for Water, Adapting to Long-

Term Drought: Grazing Management for Soil Health, Dixon Foundation (\$50,000) and Meadows Foundation (\$50,000), Private / Foundation / Corporate, \$100,000.00. (Funded: December 2015). Grant.

Mix, Kenneth D (Co-Principal), Jensen, Jennifer (Principal). Methods to Reduce RoundUp Damage and Yield Suppression from Drift, Brock Consulting Group, \$18,000.00. (Funded: November 2015). Grant.

Mix, Kenneth D (Principal), Hagelman, Ronald (Co-Principal), Eichler, Matthew (Co-Principal). Boots to Roots: Preparing Female Hispanic Veterans in the Agricultural and STEM Degrees, USDA, \$249,935.00. (Funded: March 2015). Grant.

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

Mix, Kenneth D (Principal), Dey, Madan Mohan (Co-Principal). GO LOCAL: Integrated Farming for Underserved Beginning Farmers in Texas, USDA-NIFA, Federal, \$598,372.00. (Submitted: February 2018, Funded: November 2018 - November 2022). Grant.

Mix, Kenneth D (Principal), Dey, Madan Mohan (Co-Principal), Wagner, Nicole Catherine (Co-Principal). GO-LOCAL, USDA, Federal, \$599,999.00. (Submitted: February 2018, Funded: June 2018 - May 2021). Grant.

Mix, Kenneth D. Integrating the Small Producer Initiative with Research and Extension (InSPIRE), USDA - Office of Advocacy and Outreach, Federal, \$200,000.00. (Submitted: May 15, 2018, Funded: October 2018 - October 2019). Grant.

Dey, Madan Mohan, Mix, Kenneth D, Morrish, Douglas G. Developing a Master of Science Program in Integrated Agricultural Sciences at Texas State University ("Go Integrated"), National Institute of Food and Agriculture - Higher Education Graduate Fellowship Grant Program, Federal, \$246,000.00. Grant.

Dey, Madan Mohan, Wang, Kaipeng, Sitienei, Isaac, Mix, Kenneth D. Federal, \$1,646,709.00. (Submitted: June 2017). Grant.

Mix, Kenneth D (Principal), Dey, Madan (Co-Principal), Benavides, Elizabeth (Co-Principal), Joshi, Bhoj (Co-Principal), Upadhyaya, Hari (Co-Principal). The potential of 4 different crops on integrated small stakeholder agriculture in the Tarai, Siwalik and Middle Mountain regions of Nepal, \$749,994.63. (Submitted: 2016). Grant.

Dey, Madan M (Principal), Mix, Ken (Co-Principal), Wagner, Nicole (Co-Principal), Sitienei, Isaac (Co-Principal). GO LOCAL: Integrated Farming for Underserved Beginning Farmers in Texas, Federal, \$200,000.00. (Submitted: December 8, 2016). Grant.

Dey, Madan Mohan (Principal), Mix, Kenneth D (Co-Principal), Wagner, Nicole Catherine (Co-Principal), Eichler, Matthew A (Supporting). GO LOCAL: Integrated Farming for Underserved Beginning Farmers in Texas, United States Department of Agriculture - National Institute of Food and Agriculture, Federal, \$598,080.00. (Submitted: December 8, 2016). Grant.

Asiabanpour, Bahram (Principal), Mix, Kenneth D (Co-Principal), Yu, Qingkai, Aslan, Semih, Salamy, H, Jimenez, Jesus (Co-Principal), Ortiz, Araceli Martinez. Strong Roots: Empowering students through engineering-agriculture cross-disciplinary collaboration in sustainability, USDA HSI, Federal, \$298,350.00. (Submitted: 2014). Grant.

Minifie, Jana (Principal), Mix, Kenneth D (Co-Principal). Development of a Process for Protected Designation of Origin (PDO) Concept for U.S. Specialty Agricultural Products, USDA, \$495,380.00. (Submitted: February 19, 2014). Grant.

Asiabanpour, Bahram (Principal), Mix, Kenneth D (Co-Principal), Yu, Qingkai (Co-Principal), Martinez Ortiz, Araceli (Co-Principal), Salamy, Hassan (Co-Principal), Aslan, Semih (Co-Principal), Jimenez, Jesus (Co-Principal). Strong Roots: Empowering Students through Engineering-Agriculture Cross-Disciplinary Collaboration in Sustainability, USDA, \$299,650.00. (Submitted: February 19, 2014). Grant.

Mix, Kenneth D (Principal), Krysher, Sheyenne (Co-Principal), Hagelman, Ronald (Co-Principal), Eichler, Matthew (Co-Principal). Boots to Roots: Preparing Female Hispanic Veterans in the Agricultural and STEM Degrees, USDA, \$249,935.00. (Submitted: February 11, 2014). Grant.

Yihong Chen, Maggie (Principal), Mix, Kenneth D (Co-Principal). Fully Graphene-Based Printable Solar-Voltaic Sheets for Conjunctive Electrical and Crop Production, National Science Foundation, Private / Foundation / Corporate, \$429,600.00. (Submitted: February 19, 2013). Grant.

Mix, Kenneth D (Principal), Gandonou, Jean-Marc (Co-Principal), Hagelman, Ronald (Co-Principal), Eichler, Matthew (Co-Principal). Preparing Hispanic Veterans in the Urban Agricultural System, USDA, \$299,000.00. (Submitted: February 11, 2013). Grant.

Gandonou, Jean-Marc (Principal), Vattam, Dhiraj (Co-Principal), Mix, Kenneth D (Co-Principal). Recruitment and Retention of High School Hispanic Students from Central Texas Through Peer Mentoring, Parental Outreach, and Internships, USDA, \$299,000.00. (Submitted: February 11, 2013). Grant.

Gandonou, Jean-Marc (Principal), Cade, Tina M. (Co-Principal), Mix, Kenneth D (Co-Principal). Recruitment and Retention of High School Hispanic Students from Central Texas, USDA, \$249,960.00. (Submitted: February 9, 2012). Grant.

Tate, Jitendra S. (Principal), Londa, Michelle (Co-Principal), Hu, Jiong (Co-Principal), Saucier, Philip R (Co-Principal), Charles, Joni S. (Co-Principal), Stapleton, William (Co-Principal), Mix, Kenneth D (Co-Principal), Kim, Yoo Jae (Co-Principal). Semi-Arid Regional Alliance for Sustainable Building and Construction (SARAS B&C), National Science Foundation, Private / Foundation / Corporate, \$1,998,194.00. (Submitted: February 1, 2012). Grant.

Mix, Kenneth D (Principal), Currit, Nathan A. (Co-Principal), Gandonou, Jean-Marc (Co-Principal), Wright, Walter A. (Co-Principal), Roberts, Susan (Co-Principal), Hardy, Thom (Co-Principal). WSC-Category 1: Development of a Transferable Conceptual and Analytical Framework, National Science Foundation, Private / Foundation / Corporate, \$148,529.00. (Submitted: October 19, 2011). Grant.

Gandonou, Jean-Marc (Principal), Mix, Kenneth D (Co-Principal). Increasing Diversity in Agricultural Marketing, Management and Science and Training, USDA, \$108,000.00. (Submitted: August 22, 2011). Grant.

Sansom, Andrew (Principal), Blount, Meredith (Co-Principal), Mix, Kenneth D (Co-Principal). Integrated Ecosystem Management for Conservation of Biodiversity in Bahia de Jiquilisco, EcoViva-USAID, \$1,383,092.00. (Submitted: April 29, 2011). Grant.

Gandonou, Jean-Marc (Principal), Cade, Tina M. (Co-Principal), Mix, Kenneth D (Co-Principal), Mandel Buratti, Jennifer (Co-Principal). Recruitment and Retention of High School Hispanic Students, USDA CSREES, \$249,995.00. (Submitted: March 15, 2011). Grant.

Gandonou, Jean-Marc (Principal), Mix, Kenneth D (Co-Principal). Strengthening Texas State University Global Competitiveness and Graduate Sustainability, USDA CSREES, \$149,976.00. (Submitted: January 26, 2011). Grant.

3. Funded Internal Grants and Contracts:

Benavides, Elizabeth Ashley (Principal), Percent Contribution: 60%, Mix, Kenneth D (Co-Principal), Percent Contribution: 20%, Kerwin, Sean Michael (Co-Principal), Percent Contribution: 10%, Rohde, Rodney E (Co-Principal), Percent Contribution: 10%. Development of Novel anthelmintics and antiparasitics derived from plant sources, Institutional (Higher Ed), \$30,000.00. (Submitted: May 2017, Funded: August 1, 2017 - August 1, 2018). Grant.

Wescott, Daniel (Principal), Rhode, Rodney (Co-Principal), Mix, Kenneth D (Co-Principal). Examination of Upper Threshold Events on the Necrobiome Associated with Human Decomposition In A Subtropic Ecosystem, Multidisciplinary Internal Research Grant (MIRG), \$25,000.00. (Funded: May 2015). Grant.

Mix, Kenneth D (Principal). The Students' Sustainable Farm, Texas State University-Environmental Service Committee (ESC), \$45,600.00. (Funded: October 2011). Grant.

Mix, Kenneth D (Principal), Gandonou, Jean-Marc (Co-Principal). Facing Climate Change and Drought with the Application of a Soil Surfactant to Improve Precipitation Infiltration, Texas State University-Research Enhancement Program (REP), \$8,290.00. (Funded: October 8, 2011). Grant.

D. Scholarly / Creative Fellowships, Awards, Honors:

Fellowship Recipient: Climate Change, Global Food Security and the U.S. Food System, National Center for Atmospheric Research Fellowship.
2016

Award / Honor Recipient: Presidents Award for Excellence in Teaching.
2015

Fellowship Recipient: Rob and Bessie Welder Wildlife Foundation Fellowship.
2001 - 2003

Award / Honor Recipient: Clyde Hibb's Memorial Scholarship, Ball State University, Dept. of Nat. Res. and Env. Management.
1999

Award / Honor Recipient: Farmland Conservation Club Scholarship.
1999

Award / Honor Recipient: Outstanding Student Service Award, Ball State University, Dept. of Nat. Res. and Env. Management.
1999

Award / Honor Recipient: Cinergy Energy Corporation Scholarship.
1998

Award / Honor Recipient: Soil and Water Conservation Society Scholarship.
1998

F. Media Recognition:

Radio. (January 2018).

IV. SERVICE

A. Institutional

1. University:

Member, College Curriculum Committee. (2011 - Present).

Member, Academic Standards Committee. (2016 - 2019).

Chair, 2nd Annual Small Producer Conference. (June 2018 - August 2018).

Chair, Steering and Conference Planning Committee for the 1st Annual Small Agriculture Conference. (2017).

Chair, Steering Committee for the Small Agriculture Stakeholder Planning Meeting. (2015).

3. Department/School:

Member, Curriculum Committee. (2011 - Present).

Member, Library Committee. (2011 - Present).

Member, Spring Career Development Event. (2011 - Present).

B. Professional:

Reviewer / Referee, PUP JOURNAL OF SCIENCE AND TECHNOLOGY (PUPJST, Manila, Philippines. (August 2018 - Present).

Reviewer / Referee, USDA - Enhancing Agricultural Opportunities for Military Veterans (AGVETS) Competitive Grants Program panel, Washington, United States. (May 1, 2018 - May 3, 2018).

Agricultural Consortium of Texas; Departmental representative, Fall San Angelo meeting. (2016).

Reviewer / Referee, American Chemical Society. (2016).

TOFGA-FarmAID Member of Round Table Organic Producer workshop. (2016).

Reviewer / Referee, Oxford University Press. (2012).

Reviewer / Referee, Journal of Southwestern Naturalists. (2010 - 2012).

14th Annual Conference of the International Lake Environment Committee. Session Chair, Austin, TX. (2011).

Agricultural Consortium of Texas; Developmental committee 1st Annual Student Symposium, Austin, TX. (2011).

Member, Steering Committee; 14th Annual Conference of the International Lake Environment Committee. (2011).

Reviewer / Referee, Journal of Agriculture and Biotechnology. (2010 - 2011).

Reviewer / Referee, African Journal of Biotechnology. (2010).

C. Community:

Faculty Sponsor Senior Project: Solar Saffron; Department of Engineering. (2015).

Faculty Sponsor Senior Project: Solar Saffron; Department of Engineering. (2013).

SWIG – Monthly meeting. Vegetable gardening techniques and pest management. (2012).

Texas AgriLIFE - San Marcos Grounds Maintenance Conference - Integrated Pest Management for Cutworms and Armyworms in Turf and Hay. (2012).

D. Organization Memberships:

Pi Alpha Chi. (2012 - 2013).

International Society for the Systems Sciences. (2008 - 2011).