

David L. Fernandez, Ph.D.

School of Agriculture, Fisheries and Human
Sciences
1200 N. University Dr.
Pine Bluff, AR 71601

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Career Objective

Lead a college dedicated to educating and training students, faculty and staff to be leaders who will develop the educational, food and agricultural systems of the future while generating positive outcomes in the surrounding community.

Outreach and Extension

- School of Agriculture, Fisheries and Human Sciences (SAFHS) University of Arkansas at Pine Bluff (UAPB)
 - 2015-2017 US Department of Agriculture Secretary's Advisory Committee on Animal Health
 - Collaborate with national animal agriculture leaders to provide policy advice for USAD APHIS Veterinary Services to the US Secretary of Agriculture
 - Represent small ruminant producers' viewpoints and concerns to the committee
 - Vice-chair, American Society of Animal Science (ASAS) Beef Species Committee 2015-16
 - Identify and solicit speakers for the ASAS Beef Species Symposium on Improving Welfare of Beef Cattle at the ASAS Annual meeting in 2016
 - Plan Symposium topics and scheduling
 - Facilitate transportation and accommodations for speakers
 - Assist speakers with abstract submissions
 - Review beef species abstracts
 - American Society of Animal Science 2015 Southern Section Extension Forum Planning Committee
 - Collaborate with Extension specialists in Mississippi, Alabama, Florida, Georgia and Oklahoma to plan and execute a two-day conference for state and regional area Extension specialists to
 - network with industry and producers
 - discuss current issues related to the development and delivery of forage-livestock programming within the southeastern region
 - Chair, UAPB Institutional Animal Care and Use Committee
 - Review all poultry, aquaculture and livestock research and teaching protocols for animal welfare compliance
 - Inspect facilities for animal welfare compliance
 - Investigate animal welfare complaints

Curriculum and program development

- California State Polytechnic University, Pomona (CSUP)
 - 4 years on the Outcome Assessment, Curriculum, and Strategic Planning committees in the Department of Animal and Veterinary Sciences (AVS) at CSUP
 - completely revised and updated the curriculum
 - reorganized all degree tracks
 - 2 years on the CSUP Academic Senate's Academic Programs committee
 - conducted five-year program reviews
 - evaluated new course and new program proposals
 - Led team to develop a joint Master's degree program between Western University of Health Sciences College of Veterinary Medicine and AVS CSUP
 - curriculum approval

- awarding of graduate credit for problem-based learning courses
- Rice University
 - Developed online curriculum for elementary school science teachers mapped to state standards
 - Provided teacher training in online curriculum use
 - Identified external consultants, developed program evaluation framework and evaluated program for training elementary science teacher training program
- UAPB SAFHS
 - Revived inactive livestock Extension program
 - Revitalized inactive satellite campus
 - Elevated 3+1 poultry science certificate program to a dual degree program (2 BS degrees in four years) with the Department of Poultry Science at the University of Arkansas, Fayetteville
 - Developed a new degree option in the Department of Human Sciences in collaboration with regional employers and faculty
 - Led SAFHS curriculum mapping/program assessment initiative

Assessment

- California State Polytechnic University, Pomona (CSUP)
 - 2 years on the CSUP Academic Senate's Academic Programs committee
 - conducted five-year program reviews
 - evaluated new course and new program proposals
- Rice University
 - Identified external program evaluation consultants for training elementary science teacher training program
 - Developed program evaluation framework for training elementary science teacher training program
 - Evaluated program for training elementary science teacher training program
- UAPB SAFHS
 - Led SAFHS curriculum mapping/program assessment initiative
 - SAFHS assessment point person/monitor School-wide assessment program compliance
 - Lead "closing the loop" assessment activities with chairs and departments

Accreditation

- Steering Committee for the UAPB Higher Learning Commission accreditation team
 - work with students, faculty, staff and administrators from all levels and divisions of the University to successfully complete our accreditation self-study and site visit
- Co-chair the UAPB accreditation team
 - Securing Substantive Change accreditation (HLC) for an online MS program in Addiction Studies (Site visitors recommended approval, awaiting HLC final approval letter)

Hiring/faculty development

- CSUP
 - Search committees (Associate Dean level position)
 - Mentor new faculty members both formally and informally
- UAPB SAFHS
 - Dean's representative to candidates for faculty positions
 - University-wide promotion and tenure committee
 - Led the development of the direction for two new animal science faculty positions
 - Led the development of the direction for new faculty position in food safety/food science
 - Developed Director of Urban Outreach position description for Cooperative Extension
 - Improved faculty grant-writing skills
 - five grants funded for three different researchers
 - SAFHS assessment advocate, helping faculty to understand:
 - the need for assessment

- difference between grading and assessment
- Created interdisciplinary teaching opportunities for faculty
- Identified needs and organized faculty professional development activities in teaching and learning

Student recruitment, retention and success

- Texas Higher Education Coordinating Board Participation and Success Division
 - research and policy analysis policy recommendations for statewide issues
 - universal recruitment and retention strategies
 - developmental education policy
 - vertical integration of high school and college curriculum
 - proposed seven new policies to improve student success, all of which were adopted by the board for statewide application, and all of which are now commonly used across the country
- CSUP
 - Recruitment fairs and school visits
 - Rodeo team advisor
 - advised "at-risk" (2.0-2.2 GPA) students
- Rice University
 - Quadrupled applicant pool for teacher training program
 - Doubled incoming class of teacher-trainees
 - Increased number of participating districts from one to seven
 - Doubled size of teacher training program for online curriculum use
 - Doubled number of school districts participating from two to four
- UAPB
 - Lead development of SAFHS recruitment and retention plan
 - Developing institutional relationships with three area 2-year colleges to drive enrollment in SAFHS satellite campus programs
 - Collaborated with the UAPB vice chancellor for academic affairs/provost and vice chancellor for student affairs, students, and staff to lead campus-wide efforts to enhance student professionalism (Growing the PRIDE)

Developing/maintaining budgets

- UAPB SAFHS
 - Develop budget spreadsheets for farmers and ranchers to use in enterprise planning
 - Plan renovation of campus building for new research labs, office and meeting spaces
- CSUP
 - Prepare and manage budgets for beef cattle unit
 - Develop space plans and budget for a \$44 million capital project (Center for Animal and Veterinary Science Education)
- PI or co-PI on over \$2,359,000 in grants and contracts

International experience

- Consultant, Sino-US Agricultural Alliances Program
- Instructor to delegations from the Chinese Ministry of Agriculture
- Consultant, US-China Business Institute
- Consultant, SynStone Group
- USAID Volunteer Consultant, CNFA/Kenya Leather Development Council
- USAID Volunteer Consultant, Winrock International/Naifa Maruf Foundation and Jagorani Chakra Foundation, Bangladesh
- USAID Volunteer Consultant, Winrock International/Sundar Nepal Sanstha (Beautiful Nepal Association, BNA)

Fundraising

- CSUP
 - corporate funding for feed processing research
 - corporate funding for estrous synchronization research
 - state/private partnership funds to examine sperm cryopreservation
- Rice University
 - Dana Center for education training grants to train teachers

Teambuilding

- UAPB
 - Identified, created and led researchers and farmers in research project
 - Collaborated with book vendor to improve textbook selection process and reduce textbook costs to students

Diversity

I have clearly demonstrated an ability to work effectively with faculty, staff and students from all walks of life.

- UAPB faculty: 52% male, 48% female, 60% African-American, 22% Caucasian and 18% Asian/Pacific Islander. Students: 44% male, 56% female, 91% African-American, 5% Caucasian, 4% Asian/Pacific Islander, Hispanic, Native American and other.
- CSUP Students: 55% male, 45% female, 39% Hispanic, 24% Asian/Pacific Islander and 20% Caucasian.

Communication

- UAPB
 - Wrote weekly Extension news articles
 - Developed and maintained Extension social media presence
 - Provided science-based answers and information to questions asked by farmers on social media
 - Offered 2 hour workshop on Facebook that reached 768 producers worldwide
 - Conducted 47 workshops throughout Arkansas and Missouri
 - Edited and approved SAFHS marketing materials
 - Edited and approved SAFHS newsletter
 - RFD-TV subject matter expert interviewee
 - ARN radio subject matter expert interviewee

Community involvement

- Boy Scout Assistant Scoutmaster
- 1st-2nd grade Sunday school teacher
- K-2nd grade Wednesday night Bible study leader
- Rotary Club member, past chair communications committee

Leadership Training

- 2016 The Conference on Leadership Development and Teambuilding, Little Rock, AR
- 2016-17 LEAD 21 Fellow 2 year leadership institute sponsored by the Association of Public and Land Grant Universities (APLU) designed to develop the next generation of academic leaders
- 2017-19 Food Systems Leadership Institute (FSLI) Fellow 2 year advanced leadership institute sponsored by APLU designed to equip leaders to be deans, provosts and beyond.

Education

University of Kentucky, Lexington, Ph.D. - Animal Science/Physiology (12/97)
Montana State University, Bozeman, M.S. - Animal Science/Physiology (8/93)
University of Florida, Gainesville, FL, Teacher Certification renewal (8/87)
Cornell University, Ithaca, NY, B.S. - Animal Science (8/85)

Honors and Awards

Gamma Sigma Delta, Honor Society of Agriculture. 1995.
Gamma Sigma Delta Junior Faculty Award. 2002.
College of Agriculture Advisor of the Year Nominee. 2003.
College of Agriculture Teacher of the Year. 2004.
North American Colleges and Teachers of Agriculture Teaching Award of Merit. 2004.
USDA Excellence in College and University Teaching Award Nominee. 2004.
President's Volunteer Service Award. 2013.
President, UAPB Chapter of Gamma Sigma Delta. 2014.

Experience

Interim Assistant Dean School of Agriculture, Fisheries and Human Sciences, University of Arkansas at Pine Bluff, Pine Bluff, AR July 2015-present
Extension Specialist IV Agricultural Outreach and Technology Transfer, University of Arkansas at Pine Bluff, Pine Bluff, AR July 2016-present
Extension Specialist III Agricultural Outreach and Technology Transfer, University of Arkansas at Pine Bluff, Pine Bluff, AR January 2011-June 2016
Science Writer QS Publishing, New Castle, PA (located in Houston, TX) June 2008-January 2011
Associate Director of Science Education School Science & Technology Program, Center for Education, Rice University, Houston, TX September 2007-June 2008
Program Director (Contract) Texas Higher Education Coordinating Board, Austin, TX March 2007-May 2007
Per-Course Instructor Department of Agriculture, Texas State University, San Marcos, TX August 2005-May 2006
Associate Professor Department of Animal and Veterinary Sciences, California State Polytechnic University, Pomona, CA. Promotion and tenure effective September 1, 2005
Assistant Professor Department of Animal and Veterinary Sciences, California State Polytechnic University, Pomona, CA. August 1999-August 2005

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Cornell University, Ithaca, NY, B.S. - Animal Science (8/85)

POSITIONS HELD:

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Extension Specialist IV Agricultural Outreach and Technology Transfer, University of Arkansas at Pine Bluff, Pine Bluff, AR July 2016-present

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Associate Professor Department of Animal and Veterinary Sciences, California State Polytechnic University, Pomona, CA. Promotion and tenure effective September 1, 2005

Assistant Professor Department of Animal and Veterinary Sciences, California State Polytechnic University, Pomona, CA. August 1999-August 2005

CLASSES TAUGHT:

University of Arkansas at Pine Bluff

AGRI 1321 Science of Animals
AGRI 1322 Poultry Production
AGRI 3341 Livestock Production
AGRI 4353 Physiology of Reproduction

Texas State University, San Marcos

AGRI 3301 Genetics of Livestock and Plant Improvement
AGRI 3314 Animal Health and Disease Control
AGRI 3325 Animal Nutrition
AGRI 3331 Reproduction in Farm Animals
AGRI 4330 Food Technology: Processing Meats

California State Polytechnic University, Pomona

AVS 101/101L Introduction to Animal Science
AVS 131/131L Beef Cattle Production
AVS 414L Physiology of Reproduction Lab
AVS 430/430L Biotechnology
AG 111 Ag in the Modern World
AG 401 Agriculture Issues and Ethics
AG 464/464A Agricultural Leadership

GRADUATE STUDENTS MENTORED

University of Arkansas at Pine Bluff

Talesha Dokes
Rachael Flewellyn (née Duncan)
Lea Brewer

California State Polytechnic University, Pomona

Ann Vitti
Erin Smith
Heather Elliott
Antonio Olivera

COMMITTEES:

US Department of Agriculture Secretary's
Advisory Committee on Animal Health

American Society of Animal Science Beef
Species Committee

American Society of Animal Science 2015
Southern Section Extension Forum
Planning Committee

Chair, UAPB Institutional Animal Care and Use
Committee

Academic Affairs and Educational Procedures
Committee

Deans and Directors Council

Co-Chair, UAPB Higher Learning
Commission Accreditation Team

Growing the PRIDE Overall Steering
Committee

UAPB University-wide Promotion and
Tenure Committee

Request for Proposal for Food Services
with Management Committee

CONSULTING:

Consultant, Sino-US Agricultural Alliances Program

Instructor to delegations from the Chinese Ministry of Agriculture

Consultant, US-China Business Institute

Consultant, SynStone Group

USAID Volunteer Consultant, CNFA/Kenya Leather Development Council

USAID Volunteer Consultant, Winrock International/Naifa Maruf Foundation and Jagorani Chakra
Foundation, Bangladesh

HONORS AND AWARDS:

Gamma Sigma Delta, Honor Society of Agriculture. 1995.

Gamma Sigma Delta Junior Faculty Award. 2002.

College of Agriculture Advisor of the Year Nominee. 2003.

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North American Colleges and Teachers of Agriculture Teaching Award of Merit. 2004.

USDA Excellence in College and University Teaching Award Nominee. 2004.

President's Volunteer Service Award. 2013.

President, UAPB Chapter of Gamma Sigma Delta. 2014.

GRANTS AND CONTRACTS:

- English, H., **D.L. Fernandez**, T. Dunbar. 2019. Providing farm management education while increasing minority participation in USDA programs. \$200,000 USDA OAO
- English, H., **D.L. Fernandez**, T. Dunbar. 2018. Using USDA programs and Extension recommendations to improve socially disadvantaged and veteran producers' farms and ranches in Arkansas. \$200,000 USDA OAO
- English, H., **D.L. Fernandez**, T. Dunbar. 2017. Educating veterans and socially disadvantaged producers. \$200,000 USDA OAO
- English, H., **D.L. Fernandez**, R. Fitz. 2016. Assisting socially disadvantaged cooperatives and groups in southern Arkansas. \$175,000 USDA Rural Development
- English, H., T. Dunbar, **D.L. Fernandez**. 2015. Meeting the needs of socially disadvantaged and veteran producers in eastern and southwest Arkansas. \$200,000 USDA OAO
- English, H., T. Dunbar, R. Conley, **D.L. Fernandez**. 2014. Cooperative training and technical assistance for small & socially disadvantaged producers in Strikeforce counties in Arkansas. \$169,066 USDA Rural Development
- English, H., T. Dunbar, J. Koo, **D.L. Fernandez**. 2014. Helping veteran and socially disadvantaged producers with their farms and ranches. \$188,195 USDA OAO
- English, H., O. Njue, I. Crosby, **D.L. Fernandez**. 2012. Enhancing the Competitiveness of Specialty Crop Farmers in Underserved Communities by Enhancing Food Safety. \$105,000 USDA Specialty Crop Block Grant
- English, H., T. Dunbar, **D.L. Fernandez**, O. Njue, U. Adamu, O. Gekara, J. Koo, S. Ntamantungiro. 2011. Increasing income on socially disadvantaged farms in Arkansas. \$400,000 USDA-NIFA Outreach and Assistance for Socially Disadvantaged Farmers Program.
- Lihono, M., J. Koo, **D.L. Fernandez**, U. Adamu, O. Gekara, B. Huang, A. Mendoca, D. Ahn, A. Daraba. 2011. Shelf-life extension and quality enhancement of chevon products: evaluation of plant-derived sources of natural preservatives and low-dose irradiation. \$150,000 USDA-NIFA 1890 Institution Teaching, Research and Extension Capacity Building Grants (CBG) Program.
- Fernandez, D., L.** 2008. Grades 3-5 TEKS training Pasadena ISD. \$87,000 for 1 year. Texas Teacher Quality Grants Program.
- Fernandez, D., L.** 2008. Grades 3-5 TEKS training Galena Park ISD. \$87,000 for 1 year. Texas Teacher Quality Grants Program.
- Fernandez, D.L.,** Rutlant-LaBeaga, J., Meyers, S.A. 2004. A novel technique for preservation of boar sperm: desiccation using the disaccharide trehalose. \$10,000. California Agricultural Research Initiative and Western University of Health Sciences.
- Parks, F., **Fernandez, D.L.,** Trei, J.E. and Spicer, L. 2003. Ruminant (in situ) and post-ruminant digestibility of bypass fat. \$1161.70 Biotechnology Associates Ltd., Inc.
- Fernandez, D.L.** 2002. Effect of Relocation on Pregnancy Rates and Plasma Cortisol Levels of Recipient Cows in an Embryo Transfer Program. \$66,014. California Agricultural Research Initiative and Chase Classic Angus.

Kasuya, E.K. and **D.L. Fernandez**. 2001. Japan Society for the Promotion of Science Travel Award, 2 weeks in Japan to give a seminar and meet with researchers at the National Institute of Agrobiological Sciences, Ibaraki, Japan, and Iwate University in Morioka, Japan, to discuss possible collaborative research projects.

Fernandez, D.L. 2001. Localization of Leptin in the Hypothalamus of the Rat, Sow, Ewe, Cow and Mare. \$4000. Cal Poly Pomona Research, Scholarship, and Creative Activities Program (RSCA).

Matsushima, C.Y. and **D.L. Fernandez**. 2000. "Your Beef's at Stake" Workshop (cancelled), \$1,500 California Agricultural Research Initiative.

Trei J.E. and **D.L. Fernandez**. 2000. Mechanical Processing of Sudan Grass Hay to Increase Digestibility and Growth Rate in Dairy Heifers. \$7,400 California Agricultural Research Initiative and The Mehen Company, New Meadows, ID.

Bidlack, W.R., E.S. Fonda and **D.L. Fernandez**. 1999. Animal Biotechnology Research Center. \$100,000 California Agricultural Research Initiative.

Fernandez, D.L., D.J. Patterson and K.K. Schillo. 1996. Effect of Calf-OID, Synovex-C or Ralgro implanted at birth on growth rates and weaning weights in steer calves. \$8,000 Ivy Laboratories, Inc.

PUBLICATIONS:

Administrative:

School of Agriculture, Fisheries and Human Sciences 2016-2017 Student Handbook.

The 2015-2016 Annual Report of the School of Agriculture, Fisheries and Human Sciences, University of Arkansas at Pine Bluff. Buckner, E.R., D.L. Fernandez, M. Manoharan, P. Moore, L. Glover, R. Lochmann, B. Martin, O. Njue, D. Archer, T. Hunt-Winston, E. Tucker

The 2014-2015 Annual Report of the School of Agriculture, Fisheries and Human Sciences, University of Arkansas at Pine Bluff. Buckner, E.R., D.L. Fernandez, M. Manoharan, R. Lochmann, B. Martin, O. Njue

Abstracts:

Park, Y.I., **D.L. Fernandez**. 2017. Distribution and seasonal variation of coprophagous and nematopredacious arthropod species on goat farms across Arkansas. 18th Research Symposium of the Association of 1890 Research Directors, Inc. (ARD). April 1-4 at Atlanta, GA

Karisch, B.B., M.S. Gadberry, M.K. Mullenix, B.M. Nichols, C.M. Holland, **D.L. Fernandez**, D. Hancock, J.M.B. Vendramini. 2016. Southern Section Extension Forum: strengthening Extension programs across the Southeast. J Anim Sci 94 (Suppl 1):10

Olivera, A., **Fernandez, D.L.**, Fonda E.S. 2004. Development of a boar semen mobility assay. J. Anim. Sci. 82 (Suppl. 1): 366

Lopez, J.L., Gonzalez, E. and **Fernandez, D.L.** 2004. Pregnancy rates and serum cortisol concentrations of relocated recipient cows in an embryo transfer program. J. Anim. Sci. 82 (Suppl. 1): 373

- Elliott, H.S. and **Fernandez, D.L.** 2003. Leptin immunopositive neurons in the bovine hypothalamus. California Animal Nutrition Conference, May 2-3, Fresno, CA.
- Smith, E. and **Fernandez, D.L.** 2003. Leptin immunopositive neurons in the porcine hypothalamus. California Animal Nutrition Conference, May 2-3, Fresno, CA.
- Vitti, A.P. and **Fernandez, D.L.** 2003. Leptin immunopositive neurons in the equine hypothalamus. California Animal Nutrition Conference, May 2-3, Fresno, CA.
- Lopez, J.L., Gonzalez, E. and **Fernandez, D.L.** 2003. Poster: Relocation does not alter serum cortisol concentrations or pregnancy rates of recipient cows in an embryo transfer program. Southern California Conference on Undergraduate Research, University of California, Irvine, Oct 22, Irvine, CA.
- Pineda, C., J.E. Trei, and **Fernandez, D.L.** 2001. Mechanical Processing of Sudan Grass Hay to Increase Digestibility and Growth Rate in Dairy Heifers. College of Ag Research Showcase, May 9, Pomona, CA.
- Eggleston, A.E. and **Fernandez, D.L.** 2001. Localization of Leptin in the Hypothalamus of the Cow. College of Ag Research Showcase, May 9, Pomona, CA.
- Fernandez, D.L.**, and E. Terasawa. 1999. Changes in growth hormone-releasing hormone (GHRH) *in vivo* in prepubertal and pubertal female rhesus monkeys. Abstracts of the 29th Annual Meeting of the Society for Neuroscience, October 23-28 at Miami, FL.
- Fernandez, D.L.**, D.B. Imwalle and K.K. Schillo. 1998. Monoamine neurotransmitter antagonists alter LH, GH, Prl and T secretion in prepubertal beef bull calves. J. Anim. Sci. 76 (Suppl. 1):238.
- Imwalle, D.B., **D.L. Fernandez**, J.M. Reinhart and K.K. Schillo. 1998. Melengesterol acetate blocks the preovulatory surge of LH in beef heifers. J. Anim. Sci. 76 (Suppl. 1):245.
- Fernandez, D.L.**, K.L. Keen, L.L. Luchansky and E. Terasawa. 1998. The role of Ca²⁺ in intracellular Ca²⁺ oscillations in cultured LHRH neurons derived from embryonic olfactory placode of the rhesus monkey. Abstracts of the 28th Annual Meeting of the Society for Neuroscience, November 7-12 at Los Angeles, CA No. 110.4.
- Terasawa, E., K.L. Keen and **D.L. Fernandez**. 1998. Periodical intracellular Ca²⁺ oscillations and pulsatile LHRH release in cultured LHRH neurons from the embryonic olfactory placode in the rhesus monkey. Abstracts for the 4th International Congress of Neuroendocrinology, October 12-16 at Kita-kyushu, Japan (R22).
- Fernandez, D.L.**, D.J. Patterson, D.L. Cook and K.K. Schillo. 1997. Castration and implantation with Ralgro®, Synovex-C® or Component E-C® within five days of birth does not alter growth rates or 180 day weights of steer calves under field conditions. J. Anim. Sci. 75 (Suppl. 1):237.
- Fernandez, D.L.** and K.K. Schillo. 1996. Effect of glutamate infusion on luteinizing hormone secretion in bull calves. J. Anim. Sci. 74 (Suppl. 1):218.
- Berardinelli, J.G., **D.L. Fernandez** and R.E. Short. 1994. Acute and chronic changes in LH secretion in first-calf suckled beef cows exposed continuously or intermittently to bulls. J. Anim. Sci. 72 (Suppl. 1):365.

Fernandez, D.L., J.G. Berardinelli, R. Randel and R. Adair. 1993. Effect of prostaglandin F2 induced luteal regression during either the early, mid or late luteal phase of the estrous cycle upon subsequent estrous cycle length and luteal function in beef heifers. *J. Anim. Sci.* 71 (Suppl. 1):303.

Fernandez, D., J.G. Berardinelli, R.E. Short and R. Adair. 1992. Temporal requirement for the presence of bulls to alter the postpartum interval to resumption of ovarian cycling activity and breeding performance in first-calf suckled beef cows. *J. Anim. Sci.* 70 (Suppl. 1):278.

Workshops and Invited Presentations:

Fernandez, D.L. SAFHS Academic Program 2016-17. University of Arkansas at Pine Bluff School of Agriculture, Fisheries and Human Sciences presentation to Dr. Sonny Ramaswamy, Director, USDA-NIFA. December 8, 2016

Fernandez, D.L. Row, row, row your goat: Charting your herd's course via selection. Goats 'n Goat Stuff Group, Malvern, AR, October 25, 2015

Fernandez, D.L. Feeding ewes to maximize reproductive success, and Marketing small ruminants in the South Salem, AR, August 30, 2015

Fernandez, D.L. Fecal Egg Counting and FAMACHA Scoring for Gastrointestinal Parasite Management in Goats. North Arkansas Goat Keepers Association, Mountain Home, AR, June 13, 2015

Fernandez, D.L. Summer management activities for beef cattle producers. Eudora, AR, May 29, 2015

Fernandez, D.L. Using livestock guardians to reduce predation of small ruminants in Arkansas. North Arkansas Meat Goat Producers Association Pasture Walk, Harrison, AR, April 18, 2015

Fernandez, D.L. Improving sustainability of livestock production by women and landless farmers in Bangladesh. Carlisle Progressive Women's Club, Carlisle, AR April 8, 2015

Fernandez, D.L. Spring management activities for beef cattle producers. Marvell, AR, March 26, 2015

Fernandez, D.L. Integrated pest management barber pole worm control and "natural" anthelmintics. Facebook Goat Vet Corner Group, February 24, 2015

Fernandez, D.L. Fecal Egg Counting and FAMACHA Scoring for Gastrointestinal Parasite Management in Goats. Goats 'n Goat Stuff Group, Conway, AR, January 17, 2015

Fernandez, D.L. Keynote speaker, Coccidiosis and Haemonchosis: Your Tickets OUT of the Sheep Business!, and Feeding Ewes to Maximize Reproductive Success, Missouri Sheep Producers Annual Meeting, Jefferson City, MO, November 22, 2014

Fernandez, D.L. FAMACHA Scoring for Gastrointestinal Parasite Management, North Arkansas Meat Goat Producers Association Pasture Walk, Harrison, AR, October 4, 2014

Fernandez, D.L. FAMACHA Scoring for Gastrointestinal Parasite Management, Cave City, AR, September 20, 2014

Fernandez, D.L. Fecal Egg Counting and Microscope Basics, Faulkner County Extension Office, Conway, AR, September 6, 2014

- Fernandez, D.L.** FAMACHA Scoring for Gastrointestinal Parasite Management, Lonoke, AR, August 14, 2014
- Fernandez, D.L.** FAMACHA Scoring for Gastrointestinal Parasite Management, UAPB Multi-county agent and farmer-mentor training, Pine Bluff, AR, June 18, 2014
- Fernandez, D.L.** Fecal Egg Counting and FAMACHA Scoring for Gastrointestinal Parasite Management in Goats, Multi-County 4-H Veterinary Science Program, Hope, AR, June 6, 2014
- Fernandez, D.L.** Small Ruminant Feeding Behavior, USDA NRCS Agent training, Faulkner County Extension Office, Conway, AR, May 21, 2013
- Fernandez, D.L.** FAMACHA Scoring for Gastrointestinal Parasite Management, Faulkner County Extension Office, Conway, AR, May 10, 2014
- Fernandez, D.L.** Nutrition and Reproduction of Small Ruminants, New Extension Agent Training, Batesville, AR, May 7, 2014
- Fernandez, D.L.** Nutrition and Marketing of Sheep and Goats, Workshop for New and Beginning Farmers, DeQueen, AR, April 12, 2014
- Fernandez, D.L.** Critical Management Practices for Goat Producers, UAPB/Delta Sprouts Small Farms Workshop, Eudora, AR, March 15, 2014
- Fernandez, D.L.** Heard Health, Reproduction, Breeding and Calving Season, Livestock Production Meeting, Lon Mann Cotton Research, Marianna, AR, March 10, 2014
- Fernandez, D.L.** Goat and Sheep Health, Reproduction, Lambing and Kidding Management, Workshop for New and Beginning Farmers, DeQueen, AR, March 1, 2014
- Fernandez, D.L.** Profitability of Small Ruminant Operations, 58th Annual Rural Life Conference, Pine Bluff, AR, February 28, 2014
- Fernandez, D.L.** Starting or Expanding in the Cattle Business, Southwest Arkansas Small Farm Conference, Hope, AR, February 7, 2014
- Fernandez, D.L.** 2013 UAPB SCC-81 Station Report. Proceedings of the 2014 SCC-81 Coordinating Committee, Dallas, TX, February 2, 2014
- Fernandez, D.L.** Goat and Sheep Management, Facilities and Equipment, Workshop for New and Beginning Farmers, Texarkana, AR, February 1, 2014
- Fernandez, D.L.** Fecal Egg Counting for Gastrointestinal Parasite Management in Goats, North Arkansas Meat Goat Producers Association Pasture Walk, Lead Hill, AR, October 19, 2013
- Fernandez, D.L.** Sheep Health and Reproduction, Arkansas State Sheep Council Meeting, Conway, AR, August 10, 2013
- Fernandez, D.L.** Small Ruminant Feeding Behavior, USDA NRCS Agent training, Faulkner County Extension Office, Conway, AR, May 30, 2013
- Fernandez, D.L.** Fecal Egg Counting and FAMACHA Scoring for Gastrointestinal Parasite Management in Goats, Faulkner County Extension Office, Conway, AR, April 30, 2013

- Fernandez, D.L.** Basic cattle handling and equipment, Chicot County Fairgrounds, Eudora, AR, April 23, 2013
- Fernandez, D.L.** The ABC's of IPM, North Arkansas Meat Goat Producers Association Pasture Walk, Silverhill, AR, April 6, 2013
- Fernandez, D.L.** Fecal Egg Counting and FAMACHA Scoring for Gastrointestinal Parasite Management in Goats, Tri-county Fairgrounds, Marvell, AR, March 28, 2013
- Fernandez, D.L.** Strategies for Rebuilding Your Cow Herd, Southwest Arkansas Small Farm Conference, Hope, AR, December 7, 2012
- Fernandez, D.L.** Fecal Egg Counting and FAMACHA Scoring for Gastrointestinal Parasite Management in Goats, Chicot County Fairgrounds, Eudora, AR, October 30, 2012
- Fernandez, D.L.** What Can Extension Do For You? North Arkansas Meat Goat Producers Association Pasture Walk, Compton, AR October 20, 2012
- Fernandez, D.L.** Great Grass Gives Great Gains, Jefferson County Cattlemen's Association, June 18, 2012
- Fernandez, D.L.** Strategies for Rebuilding Your Cow Herd, 1890 Small Scale Producer Conference, Texarkana, AR April 26, 2012
- Fernandez, D.L.** Buck\$ for Busting Brush with Bucks!?, North Arkansas Meat Goat Producers Association Grazing Goats and Sheep Field Day, Yellville, AR April 14, 2012
- Fernandez, D.L.** One Pebble at a Time: Little Savings Add Up to Big Money. Hope, AR December 2, 2011
- Fernandez, D.L.** Commercial Sheep and Goat Clinic: Row, Row, Row Your Goat: Charting Your Herd's Course Via Selection, and Better Browse Brings Bigger Buck\$. Arkadelphia, AR October 29, 2011
- Fernandez, D.L.** Coordinator for: USDA Farm and Rural Community Development Programs Workshop. Pine Bluff, AR October 13, 2011
- Fernandez, D.L.** Ag Field Day: FAMACHA scoring goats for *Haemonchus* infestation. Pine Bluff, AR August 11, 2011
- Fernandez, D.L.** 1890 Small Scale Producers' Conference: Eenie, Meenie, Miney, MOO: Beef cattle selection. New Boston, TX April 28, 2011
- Fernandez, D.L.** Southwest Arkansas Sheep & Goat Conference, Marketing Small Ruminants in the South. Southwest Research & Extension Center, Hope, AR March 26, 2011
- Fernandez, D.L.** College of Agriculture Research, Presentation to the leaders (including the National Secretary) of the Confederacion Nacional Campesina (Mexico). May 31, 2004
- Fernandez, D.L.** Beef production practices for China. Lanzhou, China August 15, 2000
- Fernandez, D.L.**, Meskin, M., Clemens, R. Co-coordinators for: Biotechnology: What every educator should know. Pomona, CA July 12, 2000

Extension Fact Sheets:

Fernandez, D.L. 2016. Nutrition of meat goats. MP427 (revised) Cooperative Extension Program, University of Arkansas at Pine Bluff.

Fernandez, D.L. 2015. Use of hair sheep in Arkansas. FSA 9616 Cooperative Extension Program, University of Arkansas at Pine Bluff.

Fernandez, D.L. 2014. Managing perinatal mortality in goats. FSA 9615 Cooperative Extension Program, University of Arkansas at Pine Bluff.

Fernandez, D.L. 2014. Managing perinatal mortality in lambs. FSA 9614 Cooperative Extension Program, University of Arkansas at Pine Bluff.

Fernandez, D.L. 2014. Balancing rations for sheep and goats. FSA 9613 Cooperative Extension Program, University of Arkansas at Pine Bluff.

Fernandez, D.L. 2013. Feeding ewes to maximize reproductive success. FSA 9611 Cooperative Extension Program, University of Arkansas at Pine Bluff.

Fernandez, D.L. 2012. Body condition scoring of sheep. FSA 9610 Cooperative Extension Program, University of Arkansas at Pine Bluff.

Fernandez, D.L. 2012. Selection and culling decision making for hair sheep producers. FSA 9609 Cooperative Extension Program, University of Arkansas at Pine Bluff.

Fernandez, D.L. 2012. Fecal egg counting for sheep and goat producers. FSA 9608 Cooperative Extension Program, University of Arkansas at Pine Bluff.

Fernandez, D.L. 2012. Introduction to goat reproduction. FSA 9607 Cooperative Extension Program, University of Arkansas at Pine Bluff.

Fernandez, D.L. 2012. Money saving ideas for livestock producers. FSA 9606 Cooperative Extension Program, University of Arkansas at Pine Bluff.

Fernandez, D.L. 2012. Managing the kidding season. FSA 9605 Cooperative Extension Program, University of Arkansas at Pine Bluff.

Fernandez, D.L. 2012. Using goats for brush control as a business strategy. FSA 9604 Cooperative Extension Program, University of Arkansas at Pine Bluff.

Fernandez, D.L. 2012. Beef cattle identification. FSA 9603 Cooperative Extension Program, University of Arkansas at Pine Bluff.

Videos:

Fernandez, D.L. 2015. Fecal egg count for sheep and goats.

<https://www.youtube.com/watch?v=5E2-FhuT2Qw>

Fernandez, D.L. 2012. How to Trim a Goat's Hoof.

<http://www.facebook.com/photo.php?v=10151152555429376&set=vb.94704393330&type=3&theater>

Refereed Journals:

Imwalle, D.B., **D.L. Fernandez**, and K. K. Schillo. 2002. Melengestrol acetate blocks the pre-ovulatory surge of luteinizing hormone, the expression of behavioral estrus, and ovulation in beef heifers. *J. Anim. Sci.* 80:1280-1284.

Terasawa, E. and **D.L. Fernandez**. 2001. Neurobiological mechanisms of the onset of puberty in primates. *Endocr. Rev.* 22:111-151.

Fernandez, D.L., J.G. Berardinelli, R.E. Short and R. Adair. 1996. Acute and chronic changes in luteinizing hormone secretion and postpartum interval to estrus in first-calf suckled beef cows exposed continuously or intermittently to mature bulls. *J. Anim. Sci.* 74: 1098-1103.

Fernandez, D., J.G. Berardinelli, R.E. Short and R. Adair. 1993. The time required for the presence of bulls to alter the interval from parturition to resumption of ovarian activity and reproductive performance in first-calf suckled beef cows. *Theriogenology* 39:411-419.

Text Books:

Fernandez, D.L. 2011. Flat World Psychology Instructor's Manual. QSP Publishing, Hilton Head, SC 29925

Fernandez, David L. 2009. Stem Cells. QSP Publishing, New Castle, PA 16105

Fernandez, David L. 2009. Introduction to Sports Medicine. QSP Publishing, New Castle, PA 16105

Fernandez, David L. 2008. Natural Disasters. QSP Publishing, New Castle, PA 16105

Fernandez, David L. 2008. Sports Science. QSP Publishing, New Castle, PA 16105

Fernandez, David L. 2008. Introduction to Technical Sciences. QSP Publishing, New Castle, PA 16105