

GAMAL EDEN ABDELRAHIM, DVM, PhD

Animal Nutrition and Metabolism
Department of Food & Animal Sciences
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EDUCATION:

- Ph.D. Animal science- Texas Tech University, Lubbock, Texas May 2000
- M.S. Animal science – Alabama A&M University, Huntsville, Alabama May 1991
- B.S. Vet Medicine- Assiut University, Assiut, Egypt May 1985

EXPERIENCE

- Professor of Animal Science 2015 – Present
- Associate Professor of Animal Science at AAMU 2009-2015
- Assistant Professor of Animal Science/ at AAMU 2004- 2009

TEACHING

Taught the following courses: FAS 632 - Monogastric Nutrition; FAS 504 - Animal Hygiene & Parasitology; FAS 492: Animal Science Capstone; FAS 491 Animal Health Internship; FAS 462- Animal Parasitology; FAS 420: Dairy Production & Management; FAS 358 - Ruminant Animal Mgt.; FAS 357 - Monogastric Animal Mgt.; FAS 355: Livestock Judging; FAS 351 - Nutrition and Metabolism; FAS 352 – Feeds and Feeding; FAS 326: Poultry Production and management; FAS 325: Fundamental of Poultry Science; FAS 320 - Animal Biosecurity & Diseases; FAS 311: Fundamentals of Dairy Science; FAS 259 - Companion Animal Mgmt; FAS 110 - Animal Bio-Health Terminology; FAS 101 - Food & Survival of Man.

ACCOMPLISHMENTS

- In 2013 and 2014, successfully directed three USDA- Cochran Fellows Programs.
- Received The Presidential Medallion, Alabama A&M.
- Continues to coach the University's Dairy Team; the team is listed by AAM as one of its Points of Pride.
- Developed, produced, and distributed an eighteen-minutes Video (DVD) to promote Animal Science.
- Led the University through eight successful National North American Intercollegiate Dairy Challenge contests.
- Received 2010 North American Intercollegiate Dairy Challenge Gold Award.
- Led the University through nine successful Regional NAIDC contests.

- Was instrumental in leading the University's Chapter of American Dairy Association – Students Affiliative Division (ADSA-SAD) in hosting the 2010 Southern ADSA-SAD Annual Meeting.
- Led the University to becoming among the first academic institutes in the nation to establish a membership in the National Institute for Animal Agriculture (NIAA).
- Since 2004, I was awarded over a \$900,000.00 in research grants.
- Received the University's Outstanding Research Scientist Award in 2006. This award recognizes the most outstanding research scientists in the University.
- In 2007, was among five faculty who won Outstanding Teacher Award awarded by in the University's students to faculty.
- Advise the University's Animal Bio-Health Science Club since 2004.
- Advise the University's ADSA-SAD Chapter since 2004.

Department Committees

1. Recruitment
2. Research grants (collaborations)
3. Curriculum and teaching
4. Assessment
5. Web/Communication Committee

PROFESSIONAL MEMBERSHIPS

- Since 2004, have been an active member in the following organizations: American Dairy Science Association; American Society of Animal Science.

SELECTED PUBLICATIONS

1. Stone, Aleta R.; Gurung, Nar; Solaiman, Sandra G.; Min, Byeng R.; **G. Abdelrahim**; Kumi, Anthony S.; and McElhenney, Wendell H. (2016) "Fatty Acid Composition of Growing Kiko X Spanish Crossbred Intact Male Goats Fed Varying Levels of Peanut Skins," Professional Agricultural Workers Journal: Vol. 3: No. 2, 4.
2. **Abdelrahim G.**, J. Khatiwada, N. K. Gurung (2014) Effects of Dried Distillers Grains with Solubles on Performance and Carcass Characteristics of Lamb. Journal of Animal Research and Technology 1 (2): 25–30. DOI: 10.5147/jart.2014.0203.
3. **Abdelrahim, G.**, J. Khatiwada, D. Rankins, N. Gurung, and A. Gueye (2012) Influence of Feeding Peanut Skins on Performance of Gulf Coast Ewe Lambs. Journal of Animal Research and Technology 1 (2): 20–24. DOI: 10.5147/jjgs.2012.0107.
4. **Abdelrahim, G.**, J. Khatiwada, and A. Gueye (2012) Effect of dietary supplementation of ferrous sulfate on performance and carcass characteristics of meat sheep. Journal of Animal Research and Technology 1 (1): 7–12. DOI: 10.5147/jart.2012.0105.

5. **Abdelrahim, G.,** R. C. Richardson, and A. Gueye (2012) Impact of Ergot Infested Sorghum on the Reproductive Performance of Sows. *Journal of Animal Research and Technology* 1 (1): 1–6. DOI: 10.5147/jart.2012.0104.
6. Gurung, N. K., S. G. Solaiman, D. L. Rankins, Jr., A.L. Kendricks, **G. Abdelrahim,** and W. H. Mc. Elhenny (2012) The effects of distillers dried grains with solubles on apparent nutrient digestibility and passage kinetics of Boer×Spanish castrated male goats. *Journal of Applied Animal Research*. DOI: 10.1080/09712119.2011.640205.
7. **Abdelrahim, G.,** C. Melton, V. Allen, and K. R. Pond (2008) Sorghum Silage Digestibility in Sheep. *Proceedings of the Western Section of the American Society of Animal Science* 59:327-330.
8. Bramble, T. C., G. V. Pollard, K. F. Wilson, B. S. Clyburn, A. Gueye, M. A. Johnson, **G. Abdelrahim,** C. R. Richardson, and A. J. Mjolsness (2002) Jerusalem artichoke (*Helianthus tuberosus*) flour as a partial starch replacement for growing beef steers. Department of Animal Science and Food Technology Technical Report, Texas Tech University.

Selected Published Abstracts

1. Ice-Gibson V. Evaluation of Metabolic Disorders Effects on Dairy Products Consumption: Phase I. STEM Day, AAMU. April 2015.
2. Rondreico W., B. Crenshaw, N. Hancock (2015). Beef Cattle Grazing in the U.S.: Phase I. STEM Day, AAMU. April 2015.
3. **Abdelrahim G.,** E. Bartley, O. Cintron, B. Crenshaw, P. Gibson, M. Goode, N. Hancock, C. Love, R. Warren, L. Wilson, T. Yenigun (2014). Strategic Planning For Dairy Cattle Businesses. STEM Day, AAMU. April 2014.
4. **Abdelrahim G.,** A. Stuart, H. Wright, J. Sharpe, K. Portis, M. Dunn, N. Armstrong (2013). Virtual Beef Cattle Entrepreneur: Phase I. STEM Day, AAMU. April, 2013.
5. Peterson, M., J. Mathew **Abdelrahim, G.,** Khatiwada, J. Vizcarra, A, Gueye (2012) Effect of dietary supplementation of ferrous sulfate on performance and carcass characteristics of meat sheep. STEM Day, AAMU. April, 2012.
6. **Abdelrahim G.,** J. Khatiwada, A. Gueye (2011) Effect of dietary supplementation of ferrous sulfate on performance and carcass characteristics of meat sheep. *J. Anim. Sci.* Vol. 90, Suppl. 3/*J. Dairy Sci.* Vol. 95, Suppl. 2.
7. Vizcarra, A., Wright, H., Shackelford, L., **Abdelrahim, G.,** Washington, D., Vizcarra, J. 2011. Orexigenic Effects of Anti-Ghrelin Antibodies in Broad-Breasted White Turkeys. Association of Research Directors. Atlanta, Georgia. (Abs P-SP-U-30 p 173).

8. Wright, H., Vizcarra, A., Shackelford, L., **Abdelrahim, G.**, Vizcarra, J. 2011. The Effect of Passive Immunization Against Ghrelin on Animal Behavior. Association of Research Directors. Atlanta, Georgia. (Abs P-SP-U-34 p 174).
9. Matthews, J., **Abdelrahim, G.**, Khatiwada, J., Vizcarra, J. 2011. Impact of feeding peanut skins on carcass characteristics of meat sheep. Association of Research Directors. Atlanta, Georgia. (Abs P-SP-U-22 p 170).
10. Peterson, M., **Abdelrahim, G.**, Khatiwada, J., Vizcarra, J. 2011. Carcass characteristics of wether lambs fed increasing levels of distillers dried grains. Association of Research Directors. Atlanta, Georgia. (Abs P-SP-U-24 p 171).
11. **Abdelrahim, G.**, J. Khatiwada, J. Vizcarra, N. Gurung. Evaluation of Feeding Value of Corn Distillers Dried Grain with Solubles for Sheep. (Abstract #893). J. Anim. Sci. Vol. 88, E-Suppl. 2/J. Dairy Sci. Vol. 93, E-Suppl. 1/Poult. Sci. Vol. 89, E-Suppl. 1.
12. **Abdelrahim, G. M.**, J. Khatiwada, J. Vizcarra, N. Gurung, and C. Kerth. Carcass characteristics of wether lambs fed increasing levels of distillers dried grains with solubles. ASAS Southern Section Annual Meeting the ASAS, Corpus Christi, Texas, February 2011.
13. **Abdelrahim, G.**, J. R. Khatiwada, J. Vizcarra, N. K., Gurung, and D. L. Rankins. 2010. Carcass characteristics of sheep fed peanut skins. ASAS Southern Section Annual Meeting, Orlando, Florida, February 5-9, 2010. JAS (Vol 88, E-Suppl 3).
14. Rankins, D. Jr., J. Palmer, G. Gamble, N. K. Gurung, and **G. Abdelrahim** (2010) Use of soyhulls and peanut skins for growing beef cattle. ASAS Southern Section Annual Meeting, Orlando, Florida, February 5-9, 2010.
15. Stone, A. N. K. Gurung, S. G. Solaiman, D. L. Rankins, Jr., **G. Abdelrahim**, and W. H. McElhenny (2009) Effects of peanut skins of growth performance and carcass traits of kiko x spanish growing male goat kids. A. Joint ADSA-CSAS-ASAS, Montreal, Quebec, Canada, July 12-16, 2009. J. Anim. Sci. Vol. 87, E-Suppl. 2/J. Dairy Sci. Vol. 92, E-Suppl. 1/ E-Suppl.1. J. Anim. Sci. Vol. 87, E-Suppl. 2/J. Dairy Sci. Vol. 92, E-Suppl. 1
16. **Abdelrahim, G.**, J. R. Khatiwada, D. L. Rankins, N. K. Gurung. Feeding value of peanut skins for sheep (2008) ASAS Southern Section Annual Meeting, Dallas, Texas, February 2-5, 2008, J. Anim. Sci. 86: (Suppl 1).
17. Kendricks, A.L., N.K. Gurung, D.L. Rankins, Jr., S.G. Solaiman, **G. Abdrahim** and W.H. McElhenney. 2009. Effects of feeding peanut skins on intake, digestibility and passage rates in meat goats. ASAS Southern Section Abstract 98.
18. Abdelrahim, G., R. C. Richardson, and A. Gueye. Impact of ergot infested sorghum on the reproductive performance of sows. ADSA. PSA. AMPA. ASAS Annual Meeting, San Antonio, Texas, July 8-12, 2007. J. Anim. Sci. Vol. 85, Suppl. 1/J. Dairy Sci. Vol. 90. Suppl. 1/ Poult. Sci. Vol. 86. Suppl. 1.

19. Bramble, T. C., G. V. Pollard, K. F. Wilson, B. S. Clyburn, A. Gueye, M. A. Johnson, **G. Abdelrahim**, and C. R. Richardson (2002) Jerusalem artichoke (*Helianthus tuberosus*) flour as a partial starch replacement. *J. Anim. Sci.* 78: (Suppl. 1):259 (Abstr.).

Peer Reviewed Conferences Presentations

1. **Abdelrahim, G. M.**, J. Khatiwada¹, J. Vizcarra, N. Gurung Evaluation of Feeding Value of Corn Distillers Dried Grain with Solubles for Sheep. ADSA. PSA. AMPA. ASAS Annual Meeting, Denver, Colorado, July 11-15, 2010 (Abstract #893).

2. **Abdelrahim, G. M.**, J. R. Khatiwada, J. Vizcarra, N. K., Gurung, and D. L. Rankins. 2010. Carcass characteristics of sheep fed peanut skins. ASAS Southern Section Annual Meeting, Orlando, Florida, February 5-9, 2010. *JAS* (Vol 88, E-Suppl 3)

3. **Abdelrahim, G. M.** Feeding Value of Peanut Skins for Sheep. ASAS Southern Section Annual Meeting, Dallas, Texas, February 2-5, 2008.

4. **Abdelrahim, G. M.** Sorghum Silage Digestibility in Sheep. ASAS Western Section Meeting, Laramie, Wyoming, June 24-26, 2008.

5. **Abdelrahim, G. M.** Feeding Value of Peanut Skins for Sheep. ASAS Southern Section Annual Meeting, Dallas, Texas, February 2-5, 2008

6. **Abdelrahim, G. M.** Impact of Ergot Infested Sorghum on the Reproductive Performance of Sows. ADSA. PSA. AMPA. ASAS Annual Meeting, San Antonio, Texas, July 8-12, 2007