

FATIMA A. AL-LATAIFEH

Assistant Professor, Animal Production and Protection Department, Faculty of Agriculture
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EDUCATION:

- PhD in Ruminant Nutrition, Animal and Range Science department, New Mexico State University. Spring 2014.
Dissertation: Evaluation of Novel Feed Additives to Reduce Locoweed Toxicity in Sheep
Advisor: Clint Löest.
- M.Sc. in Animal Production. Jordan University of Science and Technology, August 2006
Thesis Title: “The Effect of Partial Replacement of Barley Grains by *Prosopis juliflora* Pods on Growth Performance, Nutrient Intake, Digestibility and Carcass Characteristics of Awassi Lambs Fed Finishing Diet”.
Advisor: Belal Obeidat.
- B.Sc. of Agriculture in Animal Production, Jordan University of Science and Technology, June 2003

EMPLOYMENT AND EXPERIENCE:

- October 2016 – Current. Department of Animal Production, Jerash University, Assistant Professor. Teaching the classes of Introduction to Feeds and Feeding, Dairy Production, Feed and Ration formulation, Range Management, Artificial Insemination, Feed Analysis, Practices of Agriculture (1): Animal production
- February 2016 – August 2016. Department of Animal Production, Jerash University, Part Time Lecturer. Introduction to Animal Production, Introduction to Feeds and Feeding, Animal Health.
- January 2014 - May 2014. Department of Animal and Range Sciences, New Mexico State University, Teaching Assistant. Rangeland Resource Management (RgSc 294), Rangeland Communities (RgSc 317), and Forestry and Society (RgSc 302V).
- August 2013– December 2013. Department of Animal and Range Sciences, New Mexico State University, Teaching and Research Assistant. Feeds and Feeding (ANSC 304).
- May 2013 – August 2013. Department of Animal and Range Sciences, New Mexico State University, Research Assistant. *In vitro* Studies.

- January 2013 – May 2013. Department of Animal and Range Sciences, New Mexico State University, Teaching and Research Assistant. Sheep production (ANSC 414) and Horse evaluation (ANSC 308).
- January 2011 – December 2012. Department of Animal and Range Sciences, New Mexico State University, Teaching and Research Assistant. Feeds and Feeding (ANSC 304)
- August 2010 – December 2010. Department of Animal and Range Sciences, New Mexico State University, Research Assistant.
- February 2010 – May 2010. Department of Animal and Range Sciences, New Mexico State University, Research Assistant.
- August 2006 – June 2009. Department of Animal Production. Jordan University of Science and Technology, Research Assistant. Involved in Feed analysis laboratory, preparing chemical analysis solutions, mixing and preparing feeds, manage and maintain the lambs and ewes lambing records, data collection and management. Gained good experience in meat quality research, drip loss, pH, cooking loss, fat and lean content, color and shear force.

During this period, I helped conducting the following researches:

- ✓ Effect of methionine supplementation on performance and carcass characteristics of Awassi ram lambs fed finishing diets.
 - ✓ Yellow grease as an alternative energy source for nursing Awassi ewes and their suckling lambs.
 - ✓ Using sesame hulls in Awassi lambs diets: Its effect on growth performance and carcass characteristics and meat quality.
 - ✓ Effects of yellow grease or soybean oil on performance, nutrient digestibility and carcass characteristics of finishing Awassi lambs.
 - ✓ Growth performance and carcass characteristics of Awassi lambs fed diets containing carob pods (*Ceratonia siliqua* L.).
 - ✓ Effects of replacing soybean meal with xylose-treated soybean meal on performance of nursing Awassi ewes and fattening lambs.
 - ✓ Effect of feeding sesame hull on growth performance, nutrient digestibility, and carcass characteristics of Black goat kids.
- January 2006 – August 2006. Department of Animal Production. Jordan University of Science and Technology, Teaching and Research Assistant. Reproduction Physiology class.

SKILLS:

- Proficient in Microsoft office (Power Point, Word, Excel), and database programs (End Note, Mendeley).
- Use of E-learning programs (WebCT and Canvas).
- Developed a computer-based ration formulation.
- Formulating diets and mixing feeds.
- Collection, processing and analysis of feeds, feces, urine, blood, digesta and rumen fluid via cannula or through oral lavage.
- Processing of animals, carcass data collection, looking at brain lesions, tissue sample collection and preparation for cell proliferation, help in rumen and duodenum cannulation.
- Meat quality measurement, shear force, drip loss, meat color and cooking loss.
- Proximate analysis, Leco and Kjeldahl N analysis, ANCOM procedure for NDF and ADF, colorimetric assay of enzymes, Ether Extract.
- Gerber procedure for milk fat analysis.
- Conducting studies of metabolism, digestion, performance, *In vitro*, using markers for passage rate, VFA, and amino acids.

ORGANIZATIONS:

- American Society of Animal Science
- Agricultural Engineering Association, Amman, Jordan
- Animal and Range Science Graduate Student Association.

AWARDS AND SCHOLARSHIPS:

- Joe d. Wallace endowed graduate scholarship from the Department of animal and range sciences, New Mexico State University for the 2012-2013 academic years.
- Outstanding Graduate Assistantship award from the Graduate School for the 2013-2014 academic years.

PUBLICATIONS:

- F. A. Al-Lataifeh**, B. S. Obeidat, and M. A. Ata. Performance, Rumen Fluid Ph And Blood Metabolites Of Lambs Fed Whole Or Ground Barley Grain. 2023. Jordan Journal of Agricultural Sciences (Accepted, 2023)
- F. A. Al-Lataifeh**, B, S. Obeidat, M, S. Awawdeh, and M, A. Ata. The Impact of Selenium Supplementation on Growth Performance of Awassi Lambs. Bulgarian. 2024. Journal of Agricultural Science (Accepted, 2023)
- F. Al-Lataifeh**, S. Shnaigat, F. Al-Barakeh, and K. Al-Najjar. Seasonal Variations on Test-day Milk and its Components of Syrian Buffalo (*Bubalus bubalis*). 2023. International Journal of Livestock Research. 13 (6) :29-35
- B. S. Obeidat, M. Ata, and **F. Al-Lataifeh**. Influence of corn stover on the growth and blood parameters of Awassi lambs fed a concentrate diet. 2022. Italian Journal of Animal Science. 21(1): 702-707.
- M. N Sawalhah, Y. A. Othman, A. Abu Yahya, S. D Al-Kofahi, **F. A Al-Lataifeh**, A. F Cibils. Evaluating the influence of COVID-19 pandemic lockdown on Jordan Badia rangelands. 2021. Arid Land Research and Management. 35(4): 483-495
- A. Q. Al-Momani, **F. Al-Lataifeh**, M. Almassad, and K. Al-Najjar. Effects Of Omega-3 And Probiotic-Supplemented On Growth Performance And Carcass Characteristics Of Broiler Chicks. 2021. Egyptian Poultry Science Journal. 41(3):661-671
- B. S. Obeidat, M. A. Mayyas, A. Y. Abdullah, M. S. Awawdeh, R. I. Qudsieh, M. D. Obeidat, B. M. Nusairat, K. Z. Mahmoud, S. G. Haddad, **F. A. Al-Lataifeh**, M. Ata, M. A. Abu Ishmais, A. Aljamal. The potential use of layer litter in Awassi lamb diet: Its effects on carcass characteristics and meat quality. 2019. Animals. 9(10):782
- M. Ata, **F. Al-Lataifeh**, and M. Altarawneh. Performance, carcass percentage, and production cost for Awassi lambs fed high energy diet for short fattening period. 2017. Journal of Agricultural Science. 9(9):108-113
- B. S. Obeidat, M. S. Awawdeh, R. T. Kridli, H. J. Al-Tamimi, M. A. Ballou, M. D. Obeidat, M. A. Abu Ishmais, **F. A. Al-Lataifeh**, and H. S. Subih. 2014. Feeding corn silage improves

nursing performance of Awassi ewes when used as a source of forage compared to wheat hay. *Animal Feed Science and Technol.* 192: 24-28

- J. B. Alford, B. L. Slayton-Magitman, S. Gutierrez, J. G. Castro, **F. A. Allataifeh**, and C. A. Löest. 2014. Capsaicin influences rumen microbial fermentation and gas production in vitro. *Proc. West. Sec. Am. Soc. Anim. Sci.* 65.
- K. L. Samuelson, C. Ikard, J. B. Alford, J. G. Castro, S. Gutierrez, **F. A. Allataifeh**, B. L. Slayton-Magitman, N. C. Burdick Sanchez, J. A. Carroll, A. K. Ashley, E. J. Scholljegerdes, D. M. Hallford, and C. A. Löest. 2014. Capsaicin supplementation does not reduce lipopolysaccharide-induced inflammation in growing beef steers. *Proc. West. Sec. Amer. Soc. Anim. Sci.* 65.
- F. A. Allataifeh**, J. B. Taylor, L. Chen, M. N. Sawalhah, and C. A. Löest. 2014. Plasma amino acids of wether lambs supplemented with novel feed products to reduce locoweed toxicity. *Proc. West. Sec. Am. Soc. Anim. Sci.* 65.
- F. A. Allataifeh**, M. N. Sawalhah, S. A. Soto-Navarro, and C. A. Löest. 2013. Visceral organ mass and jejunum cell proliferation of lambs fed alfalfa hay, locoweed, and feed additives. *Proc. West. Sec. Amer. Soc. Anim. Sci.* 64:405-408.
- F. A. Allataifeh**, C. A. Löest, M. N. Sawalhah, F. Castillo, A. F. Cibils, and E. J. Scholljegerdes. 2012. Swainsonine excretion, nutrient digestibility and nitrogen retention of lambs fed alfalfa hay, locoweed, and novel feed additives. *Proc. West. Sec. Amer. Soc. Anim. Sci.* 63:320-323.
- F. A. Allataifeh**, C. A. Löest, M. N. Sawalhah, L. N. Tracey, J. Browne-Silva, C. D. Allison, J. B. Taylor, and D. M. Hallford. 2012. Efficacy of novel feed products to reduce locoweed toxicity in wether lambs. *Proc. West. Sec. Amer. Soc. Anim. Sci.* 63:138-142.
- Obeidat, B.S., Abdullah A. Y., Mahmoud, K. Z., Awawdeh, M. S., Al-beitawi, N Z., **Al-Lataifeh, F. A.** 2009. Effects of feeding sesame meal on growth performance, nutrient digestibility, and carcass characteristics of Awassi lambs. *Small Rum. Res.* 82 (1):13-17.
- Obeidat, B. S., Awawdeh, M. S., Titi, H. H., Abughazaleh, A. A., **Al-Lataifeh, F. A.**, Alawneh, I. A., Abu Ishmais, M. A., Qudsieh, R. I., Subih, H. S. 2011. Effect of feeding calcium salts on performance of nursing Awassi ewes. *Trop Anim Health Prod.* 43:1211-1217.

Obeidat, B. S., Abdullah A. Y., **Al-Lataifeh, F. A.**, 2008. The effect of partial replacement of barley grains by *Prosopis juliflora* pods on growth performance, nutrient intake, digestibility, and carcass characteristics of Awassi lambs fed finishing diets. *Anim. Feed Sci. Technol.* 146:42-54.

F. A. Allataifeh. 2006. The effect of partial replacement of barley grains by *Prosopis juliflora* pods on growth performance, nutrient intake, digestibility and carcass characteristics of Awassi lambs fed finishing diet. MS. Thesis. Jordan University of Science and Technology.

PUBLIC TALK / POSTER PRESENTATIONS:

- Plasma amino acids of wether lambs supplemented with novel feed products to reduce locoweed toxicity. Western Section of American Society of Animal Science. San Angelo, TX. **Poster.** June 2014
- Visceral organ mass and jejunum cell proliferation of lambs fed alfalfa hay, locoweed, and feed additives. Western Section of American Society of Animal Science. Bozeman, MN. **Poster.** June 2013.
- Efficacy of novel feed products to reduce locoweed toxicity in wether lambs. Animal and Range Sciences Department. NMSU. **Talk.** April 2013
- Novel Dietary Treatments That Could Potentially Alleviate Locoweed Toxicosis In Livestock. Animal and Range Sciences Department. NMSU. **Talk.** November 2012.
- Efficacy of novel feed products to reduce locoweed toxicity in wether lambs. Western Section of American Society of Animal Science. Phoenix, AZ. **Poster.** July 2012.
- Swainsonine excretion, nutrient digestibility and nitrogen retention of lambs fed alfalfa hay, locoweed, and novel feed additives. Western Section of American Society of Animal Science. Phoenix, AZ. **Poster.** July 2012.
- The effect of partial replacement of barley grains by *Prosopis juliflora* pods on growth performance, nutrient intake, digestibility, and carcass characteristics of Awassi lambs fed finishing diets. The Agricultural Conference in the University of Jordan. Amman, Jordan. **Talk.** April 2007.

GRADUATE STUDENTS

- مساهمة شركات الدواجن الكبرى في الأمن الغذائي الأردني. الطالب: ليث رياض لبخمايسة. (مشرف مشارك) . ماجستير في التغير المناخي والزراعة المستدامة والأمن الغذائي. جامعة جرش. كانون الثاني 2023
- دور المرأة الريفية في تربية المجلات الصغيرة وأثرها على الأمن الغذائي الأسري. الطالبة: ايات عبدالوالي أبو زيتون. (ممتحن داخلي). ماجستير في التغير المناخي والزراعة المستدامة والأمن الغذائي. جامعة جرش. أيار 2022.
- Effect Of Feeding Dried Distillers Grain With Solubles On Growth Performance And Carcass Characteristics Of Growing A Wassi Lambs. **Student** :Safa' 'mohammad Zaki' Hafez Hatamleh (**External Examiner**). B.Sc. of Agriculture in Animal Production, Jordan University of Science and Technology. December, 2018
- Effect Of Feeding Dried Distillers Grains With Solubles On Nursing Awassi Ewes And Their Suckling Lambs. **Student**: Sharaf Naser AL Shdaifat. (**External Examiner**). B.Sc. of Agriculture in Animal Production, Jordan University of Science and Technology. August, 2017