



Curriculum Vitae

Mohammad Diya' Obeidat

Associate Professor, Animal Breeding

ADDRESS

Department of Animal Production
Jordan University of Science and Technology (JUST)
P.O. Box 3030, 22110, Irbid JORDAN
Office phone: (962) 2-7201000-22222
Cell phone: (962) 796300794
Fax: (962) 2-7201078
E-mail: mdobeidat@just.edu.jo or mtalal1979@gmail.com

PERSONAL INFORMATION

Date of Birth: February 1, 1979
Place of Birth: Zarqa
Citizenship: Jordanian
Sex: Male
Marital Status: Married
Children: 4.

EDUCATION

- **Ph.D.**, Animal Breeding, 2010-2013. Department of Animal Science, College of Agriculture and Life Sciences, Texas A&M university, College Station, Texas. USA. Dissertation:” *Heterosis and heterosis retention for reproductive and maternal traits in Nellore-Angus crossbred cows*”
Advisor: Professor David G. Riley
- **M.S.**, Animal Production, 2003-2006. Department of Animal Production, Faculty of Agriculture, Jordan University of Science and Technology, Irbid. Jordan . Thesis:” *Investigation of growth and carcass characteristics of pure and crossbred Awassi lambs*”
Advisors: Professors Abdullah Y. Abdullah, and Rami T. Kridli
- **B.S.**, Animal Production, 1999-2003. Department of Animal Production, Faculty of Agriculture, Jordan University of Science and Technology, Irbid. Jordan .

PROFESSIONAL POSITIONS

- Vice Dean; Faculty of Agriculture; Jordan University of Science and Technology; September 2024- present.
- Associate professor; Department of Animal Production; Jordan University of Science and Technology; September 2022- present.
- Department Head, Department of Animal Production; Jordan University of Science and Technology; September 2017 - present
- Assistant professor; Department of Animal Production; Jordan University of Science and Technology; September 2013- 2022.
- Research Assistant at the Borlaug institute, Texas A&M University, October 2010 – August 2011.
- Research Assistant; Jordan University of Science and Technology; Irbid, Jordan; 2003- 2008.

ADMINISTRATIVE ACTIVITIES

Chairman, Department of Animal Production

- The Director of the graduate students' committee, responsible for reviewing applications to the graduate program in the department and following up with teaching assistants.
- The Director of curriculum development committee.
- Reviewing and evaluating the Promotion Procedure of the Faculty Members
- Forming departmental committees, as well as building the department course schedule.
- International accreditation committee (ASIIN) member.

FACULTY AND DEPARTMENT COMMITTEES

- Faculty Council member
- Faculty Advisor, Animal Production department
- Graduate Studies committee at the Faculty of Agriculture
- Student affairs committee at the Faculty of Agriculture
- Curriculum evaluation and improvement committee at the Faculty of Agriculture
- Departmental council member (2013- present)
- Graduate Studies committee at the department of Animal Production

- Scientific research committee at the department of Animal Production
- Transfer of equivalent course and curriculum committee at the department of Animal Production

ORGANIZATIONS

- Agricultural Engineering Association, Amman, Jordan (January 2003 to present).
- American Society of Animal Science (July 2013 – March 2016).

WORKSHOPS AND TRAINING

- Statistical Analyzing and Interpretation of Results Using JMP .Academic Development And Quality Assurance Center, JUST, February 2024.
- The Effectiveness of Artificial Intelligence Applications in Scientific Research and Education. The Scholar and Academic Platform- IFAD, March 2023.
- How to design your online course. The Center of ELearning and Open Educational Resources. October 2022.
- Research performance H-Index. The Scholar and Academic Platform- IFAD, October 2021.
- Introduction to statistical analysis-SPSS program. Academic and Researchers platforms (IFAD), September 2021.
- The importance of development and disease control of Egyptian Buffaloes. National Research Center, Cairo, Egypt, December 2020.
- E-Learning: Open Education Resources. Academic Development And Quality Assurance Center, JUST, December 2015.
- Statistical Package for Social Sciences. Academic Development And Quality Assurance Center, JUST, August 2014.
- University of Houston-Downtown, English Language Institute 2009, Advanced English language graduate

COMMUNITY SERVICES

- **Lecturer:** Artificial insemination in sheep Ministry of Agriculture (National Center for Agricultural Research and Extension). (April /2015)

- **Lecturer:** Utilizing crossbreeding to improve beef cattle productivity, Ministry of Agriculture (National Center for Agricultural Research and Extension). (April /2015)
- **Lecturer:** Statistical analysis and experimental design, Ministry of Agriculture (National Center for Agricultural Research and Extension). (March/2014)

COURSES TAUGHT

Undergraduate courses

1. Animal Breeding and Genetics
2. Beef Cattle Production
3. Farm Animal Products and Production (For Non-Agriculture and Veterinary Students)
4. Introduction to Biostatistics
5. Principles of Animal Science
6. Seasonal Field Practices (I)
7. Seasonal Field Practices (II)
8. Seminar
9. Special Topics (A)
10. Special Topics (C)
11. Summer Training-Practical
12. Vet Biostatistics

Graduate courses

1. Advanced Animal Breeding
2. Quantitative Genetics and Animal Breeding
3. Experimental Design & Statistical Analysis

GRADUATE STUDENTS

In progress

- **Advisor:** Ghassan Khafajeh, M.Sc. Animal Science, JUST
- **Advisor:** Maha Al-Jobour, M.Sc. Animal Science, JUST

Graduated

- **Advisor:** Muhi Aldean Alkhateab, M.Sc. Animal Science, JUST. (defended, January 2024). Thesis title (The effect of two stocking densities on growth and carcass traits, oxidative stress and biochemical indicators, and meat quality of ross 308 supplemented with Digestarom DC Power).
- **Advisor:** Sadeh Q. Alzoubi. M.Sc. Animal Science, JUST. (defended, December 2021). Thesis title (Effects of fermented soybean meal on growth performance, carcass and meat quality traits, and intestinal morphology of two commercial broiler strains).
- **Advisor:** Sofian S. Kolib. M.Sc. Animal Science, JUST. (defended, August 2015). Thesis title (Utilizing crossbreeding system to improve growth and carcass traits in Awassi lambs).
- **Co-Advisor:** Ahmed Aljamal, M.Sc. Animal Science, JUST. (defended, January 2020). Thesis title (Using alternative feedstuffs in feeding small ruminants).
- **Co-Advisor:** Alia Orabi. M.Sc. Nutrition, JUST. (defended, 2020). Thesis title (Study the Relation Between Dietary Flavonoids Intake and Type 2 Diabetes Mellitus Among Jordanian Adults).
- **Co-Advisor:** Amal Abu Shaikhah. M.Sc. Nutrition, JUST. (defended, 2019). Thesis title (Evaluation of the Nutritional Status of Preschool Autistic Children in Jordan: A Case-Control Study).
- **Co-Advisor:** Rawan Alwedian. M.Sc. Nutrition, JUST. (defended, 2019). Thesis title (Dietary patterns, physical activity and proinflammatory markers in type 2 diabetes mellitus patients).
- **Co-Advisor:** Nour Thabet. M.Sc. Nutrition, JUST. (defended, 2019). Thesis title (Level of parental awareness and nutritional behavior of patients with cystic fibrosis and its effect on the patients' health).

Advisor committee member

- Nawras Al Shaboul, M.Sc. Animal Science, JUST. (Graduated in 2021).
- Omar Al-Qudah, M.Sc. Animal Science, JUST. (Graduated in 2021).
- Nael Ismail, M.Sc. Animal Science, JUST. (Graduated in 2021).
- Basil Nsairat, M.Sc. Animal Science, JUST. (Graduated in 2020).
- Haitham Alomari, M.Sc. Animal Science, JUST. (Graduated in 2020).

- Safwan Athamneh, M.Sc. Animal Science, JUST. (Graduated in 2018).
- Safa' Hatamleh, M.Sc. Animal Science, JUST. (Graduated in 2018).
- Mohammad Aloueedat, M.Sc. Animal Science, JUST. (Graduated in 2018).
- Saraf AL Shdifat, M.Sc. Animal Science, JUST. (Graduated in 2017).
- Ahmad Al-Amareen, M.Sc. Animal Science, JUST. (Graduated in 2016).
- Asma Bani Hani, M.Sc. Animal Science, JUST. (Graduated in 2016).
- Faisal Iye, M.Sc. Animal Science, JUST. (Graduated in 2014).

PEER REVIEWED JOURNAL PUBLICATIONS

- Obeidat BS, Al-Khazaleh J, Thomas MG, **Obeidat MD**, and Nusairat BM (2024) Dietary inclusion of olive cake alone or in combination with *Saccharomyces cerevisiae* in Black goat kids: Implications for performance and health, *Veterinary World*, 17(11): 2497–2505
- Obeidat, B.S.; Ata, M.; Thomas, M.G.; **Obeidat, M.D.**; Al-Lataifeh, F.; Nusairat, B.M.; Al Khaza'leh, J. Growth performance and carcass quality response of Awassi lambs fed jojoba meal. *Cogent Food Agr.* 2024, 10, 2413390. <https://doi.org/10.1080/23311932.2024.2413390>.
- Belal S. Obeidat. Mustafa M. Shdaifat. Mysaa Ata. **Mohammed D. Obeidat**. Basheer M. Nusairat. Mohammad K. Aloueedat. Ja'far Al-Khaza'leh. Milton G. Thomas. 2024. Effects of chickpea grain feeding on the growth and carcass features of growing lambs. *Tropical Animal Health and Production* 56:273. <https://doi.org/10.1007/s11250-024-04108-6>.
- Subih H, Obeidat B, Kridli R, **Obeidat M**, Janakat S, Qudsieh R, Obeidat L, Shdaifat B, Izbeidat A, Al-KhashroomW, Mayyas M. Metabolic and Reproductive Parameters in Young Female Rats Subjected to Feed Restriction and/or GingerOil Administration. *Open Agric J*, 2024; 18: e18743315337851.
- **Mohammad D. Obeidat**, Muhy Eddin M. Alkhateeb, Khaleel I. Jawasreh, David G. Riley, & Ibrahim A. Al Sukhni. (2024). Herbal extract dietary supplementation effect on growth performance and meat quality in broiler raised under two stocking densities. *Scientific Reports*. 14(1). <https://doi.org/10.1038/s41598-024-68138-8>.
- Li K, Wang S, Qu W, Ahmed AA, Enneb W, **Obeidat MD**, Liu H-Y, Dessie T, Kim IH, Adam S Y and Cai D (2024), Natural products for Gut-Xaxis: pharmacology, toxicology

and microbiology in mycotoxin-caused diseases. *Front. Pharmacol.* 15:1419844.

<https://doi.org/10.3389/fphar.2024.1419844>.

- A. Abdelqader, **M. D. Obeidat**, M. S. Al-Rawashdeh and A. A. Alrazak. The role of vitamin E as an antioxidant and preventing damage caused by free radicals. *JLSAR*, vol. 4, no. 2, pp. 89–95. 2023. <http://doi.org/10.59807/jlsar.v4i2.89>.
- **Mohammad D. Obeidat**, Basheer M. Nusairat, Belal S. Obeidat. Growth performance and carcass traits of two commercial broiler strains fed diet supplemented with essential oils. *Helyion*. 8, 12094. 2022. <https://doi.org/10.1016/j.heliyon.2022.e12094>. (Q1)
- **Obeidat, M.D.**, Obeidat, B.S. Fattening performance, nutrient digestibility, and carcass traits of two fat-tailed sheep breeds. *Tropical Animal Health and Production*. 54, 375 (2022). <https://doi.org/10.1007/s11250-022-03364-8>. (Q2)
- **Obeidat MD**, Obeidat BS, Nusairat B, Al-Shareef, R (2020) Fattening performance and carcass traits of Baladi and Shami-Baladi kids, *Veterinary World*, 13(1): 21-25. <https://doi.org/10.14202/vetworld.2020.21-25>. (Q1)
- **M.D. Obeidat**, A.Y. Abdullah, S. Kolib, B.S. Obeidat, K. Jawasreh & H.S. Subih. 2019. Pre-weaning growth performance and carcass traits of Awassi and Chios-Awassi lambs. *South African Journal of Animal Science*. 49:140-146. <http://dx.doi.org/10.4314/sajas.v49i1.16>. (Q2)
- Sara E. Ibrahim Mohamed, Romaz M. Ahmed, Khaleel I. Z. Jawasreh, M. A. M. Salih, Dalia Mursi Abdelhalim, A. W. Abdelgadir, **Md. T. Obeidat**, L. M. A. Musa and Mohammed-Khair A. Ahmed (2020) Genetic polymorphisms of fecundity genes in Watish Sudanese desert sheep, *Veterinary World*, 13(4): 614-621. <https://doi.org/10.14202/vetworld.2020.614-621>. (Q2)
- Khaleel I. Jawasreh, Ahmad Hasen Alamareen, **Mohammad Diya Obeidat** and Pauline Y. Aad. 2019. Growth Performance and Meat Characteristics of the First Awassi–Rambouillet Callipyge Backcross. *Animals*. 9:517-529. <https://doi.org/10.3390/ani9080517>. (Q2)
- Ahmed E. Aljamal, Belal S. Obeidat & **Mohammed D. Obeidat**. 2021. Lactation performance of Awassi ewes fed diets containing either Atriplex halimus L. or olive cake. *Italian Journal of Animal Science*. 20: 426-432. <https://doi.org/10.1080/1828051X.2021.1886002>. (Q2)

- Belal S. Obeidat, Mohammad A. Mayyas, Abdullah Y. Abdullallah, Mofleh S. Awawdeh, Rasha I. Qudsieh, **Mohammad D. Obeidat**, Basheer M. Nusairat, Kamel Z. Mahmoud, Serhan G. Haddad, Fatima A. Al-Lataifeh, Mysaa Ata, Majdi A. Abu Ishmais and Ahmed E. Aljamal. 2019. The Potential Use of Layer Litter in Awassi Lamb Diet: Its Effects on Carcass Characteristics and Meat Quality. *Animals*. 9:782. <https://doi:10.3390/ani9100782>. (Q2)
- Belal S. Obeidat, Rami T. Kridli, Kamel Z. Mahmoud, **Mohammed D. Obeidat**, Serhan G. Haddad, Hadil S. Subih, Mysaa Ata, Ahmed E. Al-Jamal, Tasneem Abu Ghazal and Jafar Mansur Al-Khazaleh. 2019. Replacing Soybean Meal with Sesame Meal in the Diets of Lactating Awassi Ewes Suckling Single Lambs: Nutrient Digestibility, Milk Production, and Lamb Growth. *Animals*. 9:157-166. <https://doi:10.3390/ani9040157>. (Q2)
- Belal S. Obeidat, Kamel Z. Mahmoud, **Mohammad D. Obeidat**, Mysaa Ata, Rami T. Kridli, Serhan G. Haddad, Hosam H. Titi, Khaleel I. Jawasreh, Hosam J. Altamimi, Hadil S. Subih, Safaa M. Hatamleh, Majdi A. Abu Ishmais and Ruba Abu Affan. 2018. The effects of *Saccharomyces cerevisiae* supplementation on intake, nutrient digestibility, and rumen fluid pH in Awassi female lambs. *Veterinary World* 11(7):1015-1020. <https://doi.org/10.14202/vetworld.2018.1015-1020>. (Q2)
- B. S. Obeidat & H. S. Subih & J. B. Taylor & **M. D. Obeidat**. 2018. Alfalfa hay improves nursing performance of Awassi ewes and performance of growing lambs when used as a source of forage Compared with wheat straw. *Tropical Animal Health and Production*. 51: 581-588. <https://doi.org/10.1007/s11250-018-1735-z>. (Q2)
- BS Obeidat, MS Awawdeh, RT Kridli, HJ Al-Tamimi, MA Ballou, **MD Obeidat**, MA Abu Ishmais, FA Al-Lataifeh, HS Subih. 2014. Feeding corn silage improves nursing performance of Awassi ewes when used as a source of forage compared to wheat hay. *Anim Feed Sci Technol*. 192:24-28. <https://doi.org/10.1016/j.anifeedsci.2014.03.002>. (Q1)
- Abdullah, A. Y., R. T. Kridli, M. Momani Shaker and **M. D. Obeidat**. 2010. Investigation of growth and carcass characteristics of pure and crossbred Awassi lambs. *Small Rumin. Res.* 94:167-175. <https://doi.org/10.1016/j.smallrumres.2010.08.005>. (Q2)

SUBMITTED MANUSCRIPTS (under review)

- **Mohammad Diya' Obeidat**, Sadeh Qasim Alzoubi, Basheer M. Nusairat, and Belal S. Obeidat. Effects of fermented soybean meal on growth performance, carcass and meat quality traits, and intestinal morphology of two commercial broiler strains.

CONFERENCE PROCEEDING

- **Mohammad D. Obeidat**, Hosam Al-Tamimi, Basheer Nusairat, Belal S Obeidat. 2019. Effect of breed and density on growth performance and carcass traits of two broiler breeds. International Congress on Agriculture and Forestry Research. 8-10 April, Marmaris, Turkey.

CONFERENCES ABSTRACTS

- **Obeidat, M.D.**, A.Y. Abdullah, R.T. Kridli, B.S. Obeidat. 22-25/09/2014. Evaluation of birth weight, weaning weight, and preweaning ADG for Awassi Charollais straightbred and crossbred lambs. International Mesopotamia Agriculture Congress, Diyarbakir-Turkey.
- **Obeidat, MD**. 13-17/09/2015. Evaluation of milk production and milk composition in three different sheep breeds. 32nd World Veterinary Congress, Istanbul, Turkey.
- **Obeidat, MD** and Obeidat, BS. 3-7/10/2018. Growth performance and slaughter traits of Baladi and Shami-Baladi kids raised during summer in Jordan. International Conference on Food, Agriculture and Animal Sciences, Antalya, Turkey.
- **Mohammad D Obeidat**, Hosam Al-Tamimi, Basheer Nusairat, Belal S Obeidat. 8-10/4 2019. Effect of breed and density on growth performance and carcass traits of two broiler breeds. International Congress on Agriculture and Forestry Research, Marmaris, Turkey.
- **Obeidat, MD**; Nusairat, BM; Obeidat, BS. 26-30 /08/2019. Carcass traits of two commercial broiler strains fed diet supplemented with essential oil. 70th Annual Meeting of the European Federation of Animal Science (EAAP), Ghent, Belgium.
- Sadeh Q Alzoubi, **Mohammad D Obeidat**, Basheer M Nusairat, and Belal S Obeidat. 17-20/11/2022. Effects of fermented soybean meal on growth performance, carcass and meat

quality traits, and intestinal morphology of two commercial broiler strains. 5th International Conference on Veterinary, Agriculture and Life Sciences (ICVALS). Antalya/Turkey

- Muhi Aldeen Mohammad Alkhateeb, **Mohammad D Obeidat**, and Khaleel Jawasreh. 16-19/11/2023. The effect of different stocking densities on growth performance, carcass traits, blood biochemical indicators, and meat quality of ross 308 supplemented with Digestarom DC Power. 6th International Conference on Veterinary, Agriculture and Life Sciences (ICVALS). Antalya/Turkey
- Belal S. Obeidat, Ahmed E. Aljamal, **Mohammed D. Obeidat**. 3-7/10/2018. The effects of replacing barley grain with Atriplex halimus L. or olive cake on growth performance and carcass characteristics of Awassi lambs. International Conference on Food, Agriculture and Animal Sciences. Belek-Antalya/Turkey.

Editors and Reviewers

- Reviewer for Animal Nutrition
- Reviewer for Anbar Journal of Agricultural Sciences
- Reviewer for Heliyon
- Reviewer for Italian Journal of Animal Science
- Reviewer for Jordan Journal of Agricultural Sciences
- Reviewer for Small Ruminant Research.
- Reviewer for Tropical Animal health and Production.
- Reviewer for Arab Universities Journal of Agricultural Sciences.
- Reviewer for Jerash Journal for Research and Studies.
- Associate editor and Reviewer for International Journal of Zoology and Animal Biology (IZAB).

REFERENCES

Dr. David Riley

Professor, Animal Breeding & Genetics
Department of Animal Science, 432 Kleberg Building
College of Agriculture and Life Sciences
Texas A&M university

474 Olsen Blvd.
College Station, Texas 77845.
Phone: 979-845-2667
david.riley@ag.tamu.edu

Dr. Andy Herring

Professor & Holder of the John K. Riggs '41 Beef Cattle Professorship
Department of Animal Science, 432 Kleberg Building
College of Agriculture and Life Sciences
Texas A&M university
474 Olsen Blvd.
College Station, Texas 77845.
Phone: 979-845-9284
andy.herring@ag.tamu.edu

Dr. Serhan G. Haddad

Professor
Department of Animal Production
Faculty of Agriculture
Jordan University of Science and Technology
P.O. Box 3030
Irbid, 22110 Jordan
Tel: + 962 2-720-1000
Email: shaddad@just.edu.jo

Dr. Belal S. Obeidat

Professor
Department of Animal Production
Faculty of Agriculture
Jordan University of Science and Technology
P.O. Box 3030
Irbid, 22110 Jordan
Tel: + 962 2-720-1000
Email: bobeidat@just.edu.jo