

Curriculum Vitae

Abdullah Yousef Abdullah

CONTACT ADDRESS:

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SUMMARY OF QUALIFICATION:

Position:

- Professor of Animal science / Meat Science / Animal Production Department / Faculty of Agriculture / Jordan University of Science and Technology (JUST).

Teaching experience:

- Graduate courses: 3
- Undergraduate courses: 14

Master students:

- Major supervising: 19
- Co-supervising: 8
- Committee member: 39

Funded research:

- Higher Council for Science and Technology: 1
- National Center for Agricultural Research and Technology Transfer: 3
- Deanship of Research / JUST: 29
- EEC-project: 1
- Czech Government Technical Assistant Program: 1

Publications:

- Journals: 55
- Abstracts: 39
- Book Chapter: 1

Administration:

- Department Head; Animal Production Department / Faculty of Agriculture / JUST.
- Director of the Jordan University of Science and Technology Center for Extension and Animal Research.
- Head of Agriculture Center for Research and Production / JUST.

EDUCATION AND TRAINING:

Education:

- Ph.D., Animal Science (Meat Science), Massey University, New Zealand, 1994; Advisor: R. W. Purchas and co-advisor: Dr. A. S. Davies; topic “Investigations into Muscularity as a Characteristics of Sheep Carcasses at Various stages of Growth”.
- M.Sc., Animal Science (Meat Science), Massey University, New Zealand, 1989; Advisor: Dr. R. W. Purchas and co-Advisor: Dr. S. N. McCutcheon; topic “Some Composition Characteristics of Young Male Southdown Sheep from Lines Selected for High and Low-Backfat depth”.
- Dip.Sc., Animal Science, Lincoln University, New Zealand, 1987; topic “Effect of papain on Musculo-Skeletal Growth of rats”.
- B.Sc., Animal Science, University of Baghdad, Iraq, 1978.

Short training courses:

- Training courses in dairy production and processing, buffalo raising and management, slaughter house inspection and meat processing, Sheep and Goats management; organized by FAO, 1981-1984.

PROFESSIONAL EXPERIENCE:

- 2011 – Present** Professor – Jordan University of Science and Technology, a 70% teaching and 30% research assignment.
- 2009 – 2010** Director of the Jordan University of Science and Technology Center for Extension and Animal Research.
- 2006 – 2011** Associate Professor – Jordan University of Science and Technology; a 70% teaching and 30% research assignment.
- 1995 – 2006** Assistant Professor – Jordan University of Science and Technology; a 70% teaching and 30% research assignment.
- 1999 – 2001** Head of Animal Production Department / Faculty of Agriculture / JUST.
- 1999 – 2001** Head of Agriculture Center for Research and Production / JUST.
- 1995 - Present** Jordan University of Science and Technology
- 1994 – 1995** Temporary Research Officer with Monogastric Research Center running trials on poultry production / Massey University / New Zealand.
- 1990 - 1991** A study was carried out for the LambXL company to investigate some carcass characteristics of lamb carcasses sired by rams from exotic sheep (Texel, Finnish Landrace, Suffolk, White Headed Marsh breeds), Massey University / New Zealand.
- 1990 – 1994** Department of Animal Science, Massey University, New Zealand – PhD Student and research assistant.
- 1987 – 1989** Department of Animal Science, Massey University, New Zealand – Master’s Student and research assistant.
- 1986 – 1987** Department of Animal Science, Lincoln University, New Zealand – Postgraduate Diploma in Agriculture Science.
- 1978 – 1985** Research Assistant Officer: United Nation’s, Food and Agriculture Organization (FAO), Baghdad, Iraq.

MAJOR RESEARCH PROJECTS AND FUNDING:

Czech project (coordinator):

- Crossing Awassi sheep with exotic breed to improve fertility and mutton production in Jordan. Initiated in 1998 by a fund from Czech Republic with in-land contribution from JUST.
- The objective of this project is to improve lamb production in Jordan through crossbreeding Awassi with Charollais and Romanov sheep breeds.
- Responsibilities included initiating, designing and supervising all experiments that were conducted at JUST.
- Publishing rights were divided between the two parties with giving priority to submitting articles to Czech journals. This is an ongoing research project with a budget of \$1,500,000.

European project (EEC-project):

- Initiated in 1994 by direct fund from European community with a budget of €1,000,000.
- The objective of this project is to improve Awassi lamb production through a selection program to improve meat and milk production.
- Served as part of the research team for the project.

Badia project (coordinator):

- Improving reproductive performance of Awassi sheep through hormonal treatment. The project was funded by the Jordan Badia Research and Development Program / The Higher Council of Science and Technology from 2000-2004 with a budget of \$35,000.
- Responsible for initiating, designing, supervising and conducting all experiments that were conducted at Jordanian Badia to improve reproductive performance of Awassi sheep plus provided training and extension to Bedouins (nomads).

National Center for Agricultural Research and Extension:

- Inclusion of Prosopis juliflora pods in finishing Awassi lamb diets: effect on growth performance, carcass, and meat characteristics (2800 \$).
- Performance and Carcass Characteristics of Baladi, Shami, Baladi–Shami Crossbred Goat Kids and Awassi Sheep Lambs Slaughtered at Different Weights (2800 \$).
- Effect of different levels of energy on daily gain, feed intake, and carcass characteristics of intact and castrated male kids (2800 \$).

PUBLICATIONS:

Journal articles:

1. Obeidat, B. S., 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 and A. E. Aljamal 2019. The potential use of layer litter in Awassi lamb diet: Its effects on carcass characteristics and meat quality. *Animals* **2019**, 9, 782; doi:10.3390/ani9100782

2. Obeidat, M. D., 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 (No. 1): 140-146
3. Awawdeh, M. S., W. M. Hananeh, **A. Y. Abdullah**. 2017. Histopathological effects of alternative feedstuffs (sesame hulls and prosopis juliflora) on ruminal walls in black goat kids in Jordan. *Journal of Applied Animal Research*, DOI: 10.1080/09712119.2016.1276020.
4. Jawasreh, K. I., R. Jadallah, Al-Amareen, A. H., **A. Y. Abdullah**, A. Al-Qaisi, I. M. Alrawashdeh, M. B. Al-Zghoul, M. K. A. Amamed and B. Obeidat. 2017. Association between *MSPI* calpastatin gene polymorphisms, growth performance, and meat characteristics of Awassi sheep. *Indian Journal of Animal Sciences*. 87 (5): 635-639.
5. Obeidat, B. S., **A. Y. Abdullah**, M. A. Mayyas and M. S. Awawdeh. 2016. The potential use of layer litter in Awassi lambs` diet: It`s effects on nutrient intake, digestibility, N balance, and growth performance. *Small Ruminant Research*. 137:24-27.
6. Hosam, J. Al-Tamimia, B. S. Obeidat, **A. Y. Abdullah**, R. M. Atiyat. 2013. Disproportionate thermophysiological strain between intensively- and extensively-managed goats during summer. *Small Ruminant Research*. 109 (2013) 1– 8.
7. **Abdullah, A. Y.**, B. S. Obeidat, M. M. Muwalla, S. K. Matarneh, M. I. Abu Ishmais. 2011. Growth performance, carcass and meat characteristics of black goat kids fed sesame hulls and Prosopis juliflora pods. *Asian-Australasian Journal of Animal Sciences*. 24(9):1217-1226
8. **Abdullah, A. Y.**, R. I. Qudsieh and B. M. Nusairat. 2011. Effect of crossbreeding with exotic breeds on meat quality of Awassi lambs. *Livestock Science*. 142: 121-127.
9. Kridli, R. T., **A. Y. Abdullah**, L. M. Rousan and A. Gonzalez-Bulnes. 2011. Awassi Sheep Production Systems and Reproductive Performance: An Experience from the Middle East. *Revista Chapingo Serie Ciencias Forestales y del Ambiente Volumen XVII, Special Issue*: 63-75.
10. Obeidat, B. S., M. S. Awawdeh, **A. Y. Abdullah**, M. M. Muwalla, M. A. Abu Ishmais, B. T. Telfah, A. J. Ayrout, S. K. Matarneh, H. S. Subih, T. O. Osaili. 2011. Effects of feeding broiler litter on performance of Awassi lambs fed finishing diets. *Animal Feed Science and Technology*. 165: 15–22.
11. Obeidat, B. S., M.A. Alrababah, **A. Y. Abdullah**, M. N. Alhamad, M. A. Gharaibehb, T. M. Rababah, M. A. Abu Ishmais. 2011. Growth performance and carcass characteristics of Awassi lambs fed diets containing carob pods (*Ceratonia siliqua* L.). *Small Ruminant Research*. 96: 149-154.
12. Titi, H. H., Y. L. Hasan, K. Al-Ismail, H. Zakaria, M. J. Tabbaa, **A. Y. Abdullah** and B. S. Obeidat. 2011. Response of Shami goats and kids to variable levels of soyabean or sunflower oils in diets. *Journal of Animal and Feed Sciences*. 20: 493-508.
13. **Abdullah, A. Y.** and S. K. Matarneh. 2010. Broiler performance and the effects of carcass weight, broiler sex, and postchill carcass aging duration on breast fillet quality characteristics. *Journal of Applied Poultry Research*. 19:46-58.
14. **Abdullah, A. Y.**, M. M. Muwalla, R. I. Qudsieh and H. H. Titi. 2010. Effect of bitter vetch (*Vicia ervilia*) seeds as a replacement protein source of soybean meal on performance and carcass characteristics of finishing Awassi lambs. *Tropical Animal Health and Production*. 42:293-300.

15. **Abdullah, A. Y.**, N. A. Al-Beitawi, M. M. S. Rjoup, R. I. Qudsieh and Abu Ishmais M. A. 2010. Growth performance, carcass and meat quality characteristics of different commercial crosses of broiler strains of chicken. *Journal of Poultry Science*. 47: 13-21.
16. **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 Ruminant Research*. 94: 167-175.
17. **Abdullah, A. Y.**, K. Z. Mahmoud, B. M. Nusairat and R. I. Qudsieh. 2010. Small intestinal histology, production parameters, and meat quality as influenced by dietary supplementation of garlic (*Allium sativum*) in broiler chicks. *Italian Journal of Animal Science*. 9: 414-419.
18. **Abdullah, A. Y.**, M. M. Muwalla, H. O. Maharmeh, S. K. Matarneh and M. A. Abu Ishmais. 2010. Effects of strain on performance, and age at slaughter and duration of post-chilling aging on meat quality traits of broiler. *Asian-Australasian Journal of Animal Sciences*. 23: 1645-1656.
19. Momani Shaker, M., R. T. Kridli and **A. Y. Abdullah**. 2010. Effect of crossbreeding European sheep breeds with Awassi sheep on growth efficiency of lambs in Jordan. *Journal of Agricultura Tropica et Subtropica*. 34: 127- 133.
20. **Abdullah, A. Y.** and R. I. Qudsieh. 2009. Effect of slaughter weight and aging time on the quality of meat from Awassi ram lambs. *Meat Science*. 82: 309-316.
21. **Abdullah, A. Y.** and F. S. Al-Barakeh. 2009. Growth performance of Baladi, Damascus, Baladi-Damascus crossbreed goat kids and Awassi sheep lambs slaughtered at different weights. *World Academy of Science Engineering and Technology*. September 57: 1155-1161.
22. Awawdeh, M. S., B. S. Obeidat, **A. Y. Abdullah**, W. M. Hananeh. 2009. Effects of yellow grease or soybean oil on performance, nutrient digestibility and carcass characteristics of finishing Awassi lambs. *Animal Feed Science and Technology*. 153: 216-227.
23. Kridli, R. T., **A. Y. Abdullah** and M. Q. Husein. 2009. The effect of breed type and lactation status on reproductive performance in Awassi ewes. *South African Journal of Animal Science* 39: 15-18.
24. Obeidat, B. S., **A. Y. Abdullah**, K. Z. Mahmoud, M. S. Awawdeh, N. Z. Al-beitawi, and F. A. Al-Lataifeh. 2009. Effects of feeding sesame meal on growth performance, nutrient digestibility, and carcass characteristics of Awassi lambs. *Small Ruminant Research*. 82: 13-17.
25. **Abdullah, A. Y.**, F. T. Awawdeh, H. S. Musallam, H. H. Titi, B. S. Obeidat, R. T. Kridli, R. I. Qudsieh and M. A. Abu Ishmais. 2008. Performance and carcass characteristics of intact and castrated male Black goat kids fed diets of various energy levels. *Australian Journal of Experimental Agriculture*. 48: 1217–1224.
26. **Abdullah, A. Y.** and R. I. Qudsieh. 2008. Carcass characteristics of Awassi ram lambs slaughtered at different weights. *Livestock Science*. 117: 165-175
27. Kridli, R. T., M. Q. Husein and **A. Y. Abdullah**. 2008. Induction of oestrus in Awassi ewes in the Jordanian Badia using intravaginal progestagen sponges and eCG. In: Jordan's Arid Badia: Deepening our Understanding. R.W. Dutton and M.I. Shahbaz, eds. Smith-Gordon in cooperation with Nishimura Publishers of London. Chapter 13, PP. 205-211.

28. Kridli, R. T., **A. Y. Abdullah**, M. Momani Shaker and K. Z. Mahmoud. 2008. Sexual performance of rams sequentially exposed to short-tailed and fat-tailed ewes. *Reproduction in Domestic Animals*. 43: 497-501.
29. Obeidat, B. S., **A. Y. Abdullah**, M. S. Awawdeh, R. T. Kridli, H. H. Titi and R. I. Qudsieh. 2008. Effect of methionine supplementation on performance and carcass characteristics of Awassi ram lambs fed finishing diets. *Asian-Australasian Journal of Animal Sciences*. 21: 831-837.
30. Obeidat, B. S., **A. Y. Abdullah** and F. A. Al-Lataifeh. 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. *Animal Feed Science and Technology*. 146:42-54.
31. Titi, H. H., **A. Y. Abdullah**, W. F. Lubbadah and B. S. Obeidat. 2008. Growth and carcass characteristics of male dairy calves on a yeast culture-supplemented diet. *South African Journal of Animal Science*. 38:174-183.
32. Titi, H. H., R. O. Dmour and **A. Y. Abdullah**. 2008. Growth performance and carcass characteristics of Awassi lambs and Shami goat kids fed yeast culture in their finishing diet. *Animal Feed Science and Technology*. 142: 33-43.
33. **Abdullah, A. Y.** and H. S. Musallam. 2007. Effect of different levels of energy on carcass composition and meat quality of male Black goats kids. *Livestock Science*. 107: 70-80.
34. Kridli, R. T., **A. Y. Abdullah**, B. S. Obeidat, R. I. Qudsieh, H. H. Titi and M. S. Awawdeh. 2007. Seasonal variation in sexual performance of Awassi rams. *Animal Reproduction*. 4: 38-41.
35. Kridli, R. T., **A. Y. Abdullah**, M. Momani Shaker and M. K. Masa'deh. 2007. Sexual activity and puberty in pure Awassi and crosses and backcrosses with Charollais and Romanov sheep breeds. *New Zealand Journal of Agricultural Research*. 50: 429-436.
36. Kridli, R. T., **A. Y. Abdullah**, M. Momani Shaker and N. Al-Smadi. 2007. Reproductive performance and milk yield in Awassi ewes following crossbreeding. *Small Ruminant Research*. 71: 103-108.
37. Kridli, R. T., M. Momany Shaker, **A. Y. Abdullah** and M. M. Muwalla. 2007. Sexual behaviour of yearling Awassi, Charollais x Awassi and Romanov x Awassi rams exposed to oestrous Awassi ewes. *Tropical Animal Health and Production*. 39: 229-235.
38. Kridli, R. T., **A. Y. Abdullah**, M. Momani Shaker and A. Q. Al-Momani. 2006. Age at puberty and some biological parameters of Awassi and its first crosses with Charollais and Romanov rams. *Italian Journal of Animal Science*. 5: 193-202.
39. Kridli, R. T., **A. Y. Abdullah** and M. Momani Shaker. 2006. Sexual performance and reproductive characteristics of young adult Awassi, Charollais-Awassi and Romanov-Awassi rams. *Sheep and Goat Research Journal*. 21: 12-16.
40. **Abdullah, A. Y.** and F. Awawdeh. 2004. The effect of protein source and formaldehyde treatment on growth and carcass composition of Awassi lambs. *Asian-Australasian Journal of Animal Sciences*. 17: 1080-1087.
41. **Abdullah, A. Y.** and B. Y. Abdel hafes. 2004. Inclusion of *Prosopis juliflora* pods in finishing Awassi lamb diets. *Proceedings of the 11th Asian-Australasian*

- Association of Animal Production (AAAP) Societies Congress*. Kuala Lumpur, Malaysia Vol. II, 373-375.
42. Ghosheh, H., E. Y. Bsoul and **A. Y. Abdullah**. 2004. Utilization of Alfalfa (*Medicago sativa* L.) as a smother crop in field corn (*Zea mays* L.). *Journal of Sustainable Agriculture*. 25: 5-17.
 43. El-Shatnawi, M. K. J. and **A. Y. Abdullah**. 2003. Composition changes of *Atriplex nummularia* L. under a Mediterranean arid environment. *African Journal of Range and Forage Science*. 20: 253-257.
 44. Momani Shaker, M., **A. Y. Abdullah**, R. T. Kridli, J. Blaha and I. Sada. 2003. Influence of the nutrition level on fattening and carcass characteristics of Awassi ram lambs. *Czech Journal of Animal Science*. 48: 466-474.
 45. **Abdullah, A. Y.**, M. Q. Husein and R. T. Kridli. 2002. Protocols for estrus synchronization in Awassi ewes under arid environmental conditions. *Asian-Australasian Journal of Animal Sciences*. 15: 957-962.
 46. Momani Shaker, M., **A. Y. Abdullah**, R. T. Kridli, J. Blaha, I. Sada and Sovjak. 2002. Fattening performance and carcass value of Awassi ram lambs, F1 crossbreds of Romanov x Awassi and Charollais x Awassi in Jordan. *Czech Journal of Animal Science*. 47: 429-438.
 47. Momani Shaker, M., **A. Y. Abdullah**, R. T. Kridli, I. Sada, R. Sovjak and M. M. Muwalla. 2002. Effect of crossing indigenous Awassi sheep breed with mutton and prolific sire breeds on the growth performance of lambs in a subtropical region. *Czech Journal of Animal Science*. 47: 239-246.
 48. **Abdullah, A. Y.**, M. M. Muwalla and M. Y. Harb. 1999. Evaluation of various protein sources for growing and finishing Awassi lambs. *Turkish Journal of Veterinary and Animal Science*. 23: 475-482.
 49. Muwalla, M. M., M. Y. Harb and **A. Y. Abdullah**. 1999. Optimum use of straw based diets for suckled Awassi ewes. *Annales de Zootechnie* (currently Anim. Res.) 48: 389-395.
 50. **Abdullah, A. Y.**, R. W. Purchas and A. S. Davies. 1998. Patterns of change with growth for muscularity and other composition characteristics of Southdown rams selected for high and low backfat depth. *New Zealand Journal of Agricultural Research*. 41: 367-376.
 51. Shaker, R. R., M. M. Muwalla, M. Y. Harb, **A. Y. Abdullah**, J. P. Hanrahan and T. F. Crosby. 1998. Effect of rumen undegradable protein in the diet of lactating Awassi ewes on milk yield, milk composition and final ewe and lamb weight. *Czech Journal of Animal Science*. 43: 275-279.
 52. **Abdullah, A. Y.**, R. W. Purchas, A. S. Davies and A. H. Kirton. 1993. Relationships between objective and subjective measurements of carcass muscularity. *Proceedings of the New Zealand Society of Animal Production*. 53: 397-402.
 53. Ward, B. G., R. W. Purchas and **A. Y. Abdullah**. 1992. The value of ultrasound in assessing the leg muscling of lambs. *Proceedings of the New Zealand Society of Animal Production*. 52:33-36.
 54. Purchas, R. W., A. S. Davies and **A. Y. Abdullah**. 1991. An objective measure of muscularity: Changes with animal growth and differences between genetic lines of Southdown sheep. *Meat Science*. 30:81-94.

55. **Abdullah, A. Y.,** R. W. Purchas, S. N. McCutcheon and P. C. Van Dinther. 1990. Plasma urea dilution patterns in Southdown ram lambs from high and low backfat selection lines. *Proceeding of the New Zealand Society of Animal Production*. 50: 105-108.

Books:

1. Kridli, R. T., **A. Y. Abdullah** and M. Q. Husein. 2007. Induction of oestrus in Awassi ewes in the Jordanian Badia using intravaginal progestagen sponges and eCG. In: *Improving Desert Resource Management: Research by Jordan's Badia Centre*. R. Dutton and M. Shahbaz, ed. Smith-Gordon Nishimura Publishers of London.

Abstracts:

1. **Abdullah Y. A. 2019.** Effect of using levels of Ginger root as feed additives in broiler diets on meat characteristics. Annual Meeting of the European Federation of Animal Science. 70th. Ghent, Belgium. (Abstr.)
2. **Abdullah Y. A,** K. Z. Mahmoud. 2108. Growth performance and carcass characteristics of broiler chicks fed graded levels of carob pod (*Ceratonia siliqua*). International conference on food, agriculture and animal sciences. Antalya, Turkey. (Abstr)
3. **Abdullah, A. Y.,** M. Khalifeh, R. T. Kridli and M. S. Al Kasbi. 2017. The effects of using mix oil herbal extracts in broiler diet on growth performance and immune system. Annual Meeting of the European Federation of Animal Science. 68th. Tallinn, Estonia. (Abstr.)
4. Kridli, R. T., M. Z. Al-Sadi, **A.Y. Abdullah.** 2017. The effect of ginger administration on body weight and ovarian changes in pubertal female rats. Proceedings of 8th International Conference on Animal Health & Veterinary Medicine. Toronto, Canada. J Vet Sci Technol 2017, 8:5 (Suppl). (Abstr.)
5. Obeidat, B. S., **A. Y. Abdullah** and M. A. Mayyas. 2014. Effects of feeding poultry layer litter on growth performance and carcass characteristics of Awassi lambs. International Mesopotamia Agriculture Congress. Diyarbakir, Turkey. (Abstr) P. 280-
6. Obeidat, M. D., **A. Y. Abdullah,** R. T. Kridli and B. S. Obeidat. 2014. Evaluation of birth weight, weaning weight, and preweaning ADG for Awassi-Charollais straightbred and crossbred lambs. International Mesopotamia Agriculture Congress. Diyarbakir, Turkey. (Abstr) P. 89
7. Jawasreh, K. I., **A. Y. Abdullah,** H. M. Talafha, H. S. Ababneh, F. A. Hijazeen. 2014. Callipyge-Awassi growth and meat characteristics in comparison to the pure Awassi sheep. International Mesopotamia Agriculture Congress. Diyarbakir, Turkey. (Abstr) P. 89-
8. **Abdullah, A. Y.,** A. J. Airout, A. Al-Nabulsi, M. A. A. Ishmais and N. M. Alsmadi. 2013. Supplementation of ginger root (*Zingiber Officinale*) in broiler chickens diet: influence on growth performance, antioxidant status and carcass and meat characteristics. 68th International Congress of Meat Science and Technology. IZMIR, TURKEY. (Abstr.)

9. **Abdullah, A. Y.**, N. A. Al-Haj Ali. 2012. The effects of using probiotics and different levels of sesame meal in broiler diets on growth performance and carcass characteristics. The 15th AAAP Animal Science Congress. Thailand. (Abstr.)
10. **Abdullah, A. Y.**, A. A. Al-Nabulsi and M. A. Jamama. 2011. The effect of cold storage and carcass weight on the shelf life and quality characteristics of whole carcass and deboned broiler breast meat. 19th Congress on the Animal Science and Production Association. Cremona, Italy. (Abstr.)
11. Kridli, R. T., **A. Y. Abdullah**, M. Momani Shaker and A. Q. Al-Momani. 2011. Body measurements of Awassi, F₁ Charollais-Awassi and F₁ Romanov-Awassi ram and ewe lambs. 19th Congress on the Animal Science and Production Association. Cremona, Italy. (Abstr.)
12. **Abdullah, A. Y.**, M. M. Muwalla and B. S. Obeidat. 2010. Growth performance of Black goat kids fed *Prosopis juliflora* pods and sesame hulls. Adapting Animal Production to Change for a Growing Human Population. International Conference. Lleida, Spain. (Abstr.)
13. Kridli, R. T., **A. Y. Abdullah** and M. D. Obeidat. 2010. Growth and carcass characteristics of pure and crossbred Awassi lambs. Adapting Animal Production to Change for a Growing Human Population. International Conference. Lleida, Spain. (Abstr.)
14. Muwalla, M. M., **A. Y. Abdullah** and B. S. Obeidat. 2010. Growth performance of Black goat kids fed *Prosopis juliflora* pods. Adapting Animal Production to Change for a Growing Human Population. International Conference. Lleida, Spain. (Abstr.)
15. **Abdullah, A. Y.**, R. T. Kridli, M. Obeidat, R. I. Qudsieh and M. Momani Shaker. 2008. Investigation of growth and carcass characteristics of pure and crossbred Awassi lambs. Euro. Assoc. Anim. Prod. 59th Annual meeting. Vilnius, Lithuania. (Abstr.)
16. Kridli, R., M. Husein and **A. Abdullah**. 2008. The effect of Face color and location status on reproductive performance in Awassi ewes. 10th World Conference on Animal Production. Cap Town, South Africa. (Abstr.)
17. Obeidat, B. S., K. Z. Mahmoud, **A. Y. Abdullah** and F. F. Gharaybeh. 2008. Effects of feeding sesame hulls on growth performance, nutrient digestibility, and carcass characteristics of Black goat kids. Euro. Assoc. Anim. Prod. 59th Annual meeting. Vilnius, Lithuania. (Abstr.)
18. **Abdullah, A. Y.** and R. I. Qudsieh. 2007. The effect of body weight and aging on meat quality of Awassi ram lambs. Euro. Assoc. Anim. Prod. 58th Annual meeting. Dublin, Ireland. (Abstr.)
19. Kridli, R. T., **A. Y. Abdullah**, M. Momani Shaker and K. Z. Mahmoud. 2007. Sexual performance of rams sequentially exposed to short-tailed and fat-tailed ewes. Euro. Assoc. Anim. Prod. 58th Annual meeting. Dublin, Ireland. (Abstr.)
20. Kridli, R. T., M. Momani Shaker, **A. Y. Abdullah** and M. M. Muwalla. 2007. Sexual performance of yearling Awassi and crossbred rams. Euro. Assoc. Anim. Prod. 58th Annual meeting. Dublin, Ireland. (Abstr.)
21. Obeidat, B. S., **A. Y. Abdullah**, M. S. Awawdeh and R. I. Qudsieh. 2007. Effect of methionine supplementation on performance and carcass characteristics of Awassi lambs. Euro. Assoc. Anim. Prod. 58th Annual meeting. Dublin, Ireland. (Abstr.)

22. **Abdullah, A. Y.**, R. T. Kridli, A. Q. Al-Momani and M. Momani-Shaker. 2005. Growth performance of Awassi, Charollais-Awassi and Romanov-Awassi ram and ewe lambs. Euro. Assoc. Anim. Prod. 56th Annual meeting. Uppsala, Sweden. (Abstr.)
23. Kridli, R. T., **A. Y. Abdullah**, A. Q. Al-Momani and M. Momani-Shaker. 2005. Puberty occurrence in Awassi (A), F1 Charollais-Awassi (CA) and F1 Romanov-Awassi (RA) ram and ewe lambs. Euro. Assoc. Anim. Prod. 56th Annual meeting. Uppsala, Sweden. (Abstr.)
24. Kridli, R. T., **A. Y. Abdullah**, N. Al-Smadi and M. Momani-Shaker. 2005. Reproductive performance and milk yield in Awassi and its crosses with either Charollais or Romanov breeds. J. Anim. Sci. (Suppl. 1) 83.
25. Momani Shaker, M., **A. Y. Abdullah**, I. Sada and R. T. Kridli. 2004. Growth ability of lambs of Awassi sheep breed and their crossbreeds with exotic rams of Charollais and Romanov breeds in Jordan. Euro. Assoc. Anim. Prod. 55th Annual meeting. Bled, Slovenia. (Abstr.) p. 247
26. **Abdullah, A. Y.**, M. Momani Shaker, R. T. Kridli and I. Sada. 2003. Carcass composition of Awassi ram lambs in comparison to its crossbreeds with Romanov and Charollais slaughtered at marketing age. Euro. Assoc. Anim. Prod. 54th Annual meeting. Rome, Italy. (Abstr.) p. 317
27. Kridli, R. T., M. Momani Shaker, **A. Y. Abdullah** and I. Sada. 2003. Sexual performance of Awassi, Awassi x Charollais and Awassi x Romanov yearling rams exposed to Awassi x Romanov females. Euro. Assoc. Anim. Prod. 54th Annual meeting. Rome, Italy. (Abstr.) p. 211
28. Momani Shaker, M., **A. Y. Abdullah**, R. T. Kridli, I. Sada and R. Sovjak. 2003. Reproductive performances in primiparous Awassi, F1 Romanov x Awassi and F1 Charollais x Awassi ewes bred in Jordan. Euro. Assoc. Anim. Prod. 54th Annual meeting. Rome, Italy.
29. **Abdullah, A. Y.**, M. Momani Shaker, R. T. Kridli and I. Sada. 2002. Growth and carcass characteristics of Awassi, Awassi x Romanov and Awassi x Charollais ram lambs fed different planes of nutrition. J. Anim. Sci. (Suppl. 1) 80:77.
30. Kridli, R. T., M. Momani Shaker, **A. Y. Abdullah** and I. Sada. 2002. Libido and biological parameters of mature Awassi, Awassi X Charollais and Awassi X Romanov rams. J. Anim. Sci. (Suppl. 1) 80:75.
31. Kridli, R. T., M. Momani Shaker, **A. Y. Abdullah** and I. Sada. 2002. Sexual performance of Awassi and Awassi X Romanov yearling rams. J. Anim. Sci. (Suppl. 1) 80:83.
32. Momani Shaker, M., **A. Y. Abdullah**, I. Sada and R. T. Kridli. 2002. Growth ability and carcass value of lambs of Awassi sheep breed and their crossbreeds. Euro. Assoc. Anim. Prod. 53rd Annual meeting. Egypt, Cairo. (Abstr.)
33. Momani Shaker, M., **A. Y. Abdullah** and R. T. Kridli. 2002. Effect of crossing indigenous Awassi sheep breed with mutton and prolific sire breeds on growth performance of lamb in Jordan. Deutscher Tropentag. Witzenhausen, Germany. (Abstr.)
34. **Abdullah, A. Y.**, M. Momani Shaker, R. T. Kridli, J. Blaha, M. Muwalla, F. Tawfeeq and I. Sada. 2001. Comparison of two different rations to the traditional feed used in fattening Awassi ram lambs in Jordan. Euro. Assoc. Anim. Prod. 52nd Annual meeting. Budapest, Hungary. (Abstr.) p. 257

35. Momani Shaker, M., **A. Y. Abdullah**, I. Sada, R. T. Kridli and M. Muwalla. 2001. Effect of crossing indigenous Awassi sheep breed with exotic mutton and prolific ram breeds on growth and meat performance of lamb in Jordan. Euro. Assoc. Anim. Prod. 52nd Annual meeting. Budapest, Hungary. (Abstr.) p. 161
36. Kridli, R. T., M. Momani Shaker, **A. Y. Abdullah**, I. Sada, M. M. Muwalla, F. Vohradsky and S. I. Said. 2000. Artificial insemination results of Awassi ewes bred with fresh semen of rams of exotic breeds (Charollais and Romanov) in Jordan. Euro. Assoc. Anim. Prod. 51st Annual meeting. The Hague, The Netherlands. (Abstr.) p. 307
37. Purchas, R. W., **A. Y. Abdullah** and A. S. Davies. 1995. Measurement of lamb muscularity from lateral photographs. Proceedings of the 41st International Congress of Meat Science and Technology. 41: 187-188.
38. Purchas, R. W., Y. H. Cottam, S. N. McCutcheon, H. T. Blair, B. H. Breier, P. D. Gluckman and **A. Y. Abdullah**. 1991. Recombinantly-Derived IGF-1 has no effect on the growth, fatness or muscularity of lambs. Pp 53-54. The control of fat and lean deposition conference. 51st Easter school in Agricultural Science. University of Nottingham, U.K.
39. Purchas, R. W., **A. Y. Abdullah** and I. T. Kadim. 1989. Carcass characteristics of Southdown ram from the Massey University high and low back fat lines, Pp 26-29. Proceeding of the 12th Workshop on Over fatness & Lean-Meat Production from Sheep. NZSAP, Hamilton.

Local conference:

1. Titi, H. H., **A. Y. Abdullah** and W. F. Lubbadah. 2007. Growth performance and carcass characteristics of fattened dairy calves fed yeast culture supplemented diets. Sixth Jordanian Agriculture Conference, Amman, Jordan
2. Kridli, R. T., **A. Y. Abdullah**, M. Momani Shaker and M. K. Masa'deh. 2007. Sexual activity and puberty occurrence in pure Awassi and crossbred Awassi ram lambs. Sixth Jordanian Agriculture Conference, Amman, Jordan
3. Al-Lataifeh, F. A., Obeidat, B. S. and **A. Y. Abdullah**. 2007. 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. Sixth Jordanian Agriculture Conference, Amman, Jordan
4. Qudsieh, R. I. and **A. Y. Abdullah**. 2007. The effect of body weight and aging on meat quality of Awassi ram lambs. Sixth Jordanian Agriculture Conference, Amman, Jordan.

Research Grants:

Title	Amount	year	Funding Organization
Evaluation of various protein sources for growing and finishing Awassi lambs.	3500 \$	1996	Jordan University of Science and Technology
Effect of incorporating different levels of straw in four total complete rations on the voluntary intake and on milk production of Awassi sheep	2800 \$	1996	Jordan University of Science and Technology
Crossbreeding Charollais and Romanov sheep with Awassi.	8450 \$	2000	Jordan University of Science and Technology
Performance and Carcass Characteristics of Baladi, Shami, Baladi-Shami Crossbreed Goat Kids and Awassi Sheep Lambs Slaughtered at Different Weights.	4028 \$	2001	Jordan University of Science and Technology
Inclusion of <i>Prosopis juliflora</i> pods in finishing Awassi lamb diets: effect on growth performance, carcass, and meat characteristics.	4085 \$	2002	Jordan University of Science and Technology
Growth performance and biological parameters of Awassi, F1 Awassi x Charollais and F1 Awassi x Romanov ram and ewe lambs.	3521 \$	2002	Jordan University of Science and Technology
Effect of different levels of energy on daily gain, feed intake, and carcass characteristics of intact and castrated male kids.	3521 \$	2003	Jordan University of Science and Technology
Growth performance, carcass and meat quality characteristics of different commercial crosses of broiler strains of chicken.	3521 \$	2003	Jordan University of Science and Technology
Investigation of growth and carcass characteristics of pure and crossbred Awassi lambs	2042 \$	2005	Jordan University of Science and Technology
The effect of body weight on meat quality of Awassi ram lambs.	3493 \$	2005	Jordan University of Science and Technology
Effects of strain, age at slaughter and duration of postmortem aging on carcass meat quality traits of broilers.	2113 \$	2007	Jordan University of Science and Technology
The influence of carcass weight and postchill carcass aging duration on broiler breast fillet meat quality characteristics.	2958 \$	2007	Jordan University of Science and Technology
The influence of sodium chloride, polyphosphate, and commercial salt mix injections on postchill changes in quality of broiler breast fillets.	4648 \$	2007	Jordan University of Science and Technology
Effect of replacing barley grain by <i>Prosopis juliflora</i> pods on growth performance, nutrient digestibility, and meat quality of Black goat kids fed finishing diets with two different levels of energy.	16900 \$	2007	Jordan University of Science and Technology
Growth performance and carcass characteristics of broiler chicks fed graded levels of carob pod (<i>ceratonia siliqua</i>).	4014 \$	2009	Jordan University of Science and Technology
The effect of cold storage and carcass weight on the shelf life and quality characteristics of whole carcass and deboned broiler breast meat.	7042 \$	2010	Jordan University of Science and Technology
The effects of using probiotics and different levels of sesame meal in broiler diets on growth performance and carcass characteristics.	5915 \$	2010	Jordan University of Science and Technology
Impact of Alfalfa "(Medicago sativa L.) as a crop on corn (Zea mays L.) and weeds. (Co-Investigator)	3000 \$	2000	Jordan University of Science and Technology
Evaluation of milk yield and reproductive efficiency in pure and crossbred Awassi ewes. (Co-Investigator)	1400 \$	2003	Jordan University of Science and Technology
Sexual activity and puberty in pure and crossbred Awassi lambs. (Co-Investigator)	1400 \$	2003	Jordan University of Science and Technology

Does the exposure to Awassi or Awassi x Romanov ewe lambs alter sexual performance of ram lambs?. (Co-Investigator)	1900 \$	2003	Jordan University of Science and Technology
The effect of partial replacement of barley grains by <i>Prosopis juliflora</i> pods on growth performance, nutrient intake, digestibility and carcass characteristics by Awassi lambs fed finishing diet. (Co-Investigator)	5000 \$	2005	Jordan University of Science and Technology
Dietary supplementation of garlic (<i>allium sativum</i>): Influence on performance parameters, meat quality and humoral immune response in broiler chicks. (Co-Investigator)	3000 \$	2006	Jordan University of Science and Technology
Effect of replacing soybean meal with sesame meal on nursing Awassi ewes and weaned male lambs. (Co-Investigator)	10700 \$	2008	Jordan University of Science and Technology
Effects of feeding poultry layer litter on growth performance and carcass characteristics of Awassi lambs. (Co-Investigator)	9000 \$	2010	Jordan University of Science and Technology

On-going research projects:

1. Dietary supplementation of Ginger root (*Zingiber Officinale*) in broiler chickens: Influence on growth performance, antioxidant status and carcass and meat characteristics.
2. The effects of using probiotics and different levels of sesame meal in broiler diets on growth performance and carcass characteristics.
3. The effect of cold storage and carcass weight on the shelf life and quality characteristics of whole carcass and deboned broiler breast meat.
4. Growth performance and carcass characteristics of broiler chicks fed graded levels of carob pod.
5. The influence of sodium chloride, polyphosphate, and commercial salt mix injections on postchill changes in quality of broiler breast fillets.
6. Effects of feeding *Prosopis juliflora* pods on growth performance, nutrient intake, digestibility, and carcass characteristics of Black goat kids fed finishing diets.
7. Carcass composition and meat quality of different muscles in kids and lambs.

TEACHING EXPERIENCE:

Graduate Courses:

- Animal growth and development (AP 718)
- Carcass composition (AP 717)
- Seminar (791)

Undergraduate courses:

- Meat Science (AP 416)
- Meat Technology (AP 414)
- Sheep and goat Production (AP 311)
- Beef Cattle Production (AP 413)
- Reproductive Physiology of Farm Animals (AP 423)
- Artificial Insemination (AP426)
- Principles of Animal Science (AP 206)
- Farm Animal Products and Production (for non Agriculture and Veterinary students) (AP 200)

- Summer training (AP 400)
- Practical Application I (AP 302)
- Practical Application II (AP 401)
- Graduation Project (AP 494)
- Seminar (AP 491)
- Range Animal Nutrition (AP 333)

Supervising graduate students:

Major advisor:

1. Faisal Al-Barakeh; M.Sc.; Thesis title “Performance and Carcass Characteristics of Baladi, Shami, Baladi–Shami Crossbreed Goat Kids and Awassi Sheep Lambs Slaughtered at Different Weights.” (Graduated January, 2003).
2. Basheer Abdul-Hafiz; M.Sc.; Thesis title “Inclusion of *Prosopis juliflora* pods in finishing Awassi lamb diets: effect on growth performance, carcass, and meat characteristics”. (Graduated December, 2003).
3. Ahmed AL-Momani; M.Sc.; Thesis title “Growth performance and biological parameters of Awassi, F1 Awassi X Charollais and F1 Awassi X Romanov ram and ewe lambs”. (Graduated January, 2004).
4. Hussein Musallam; M.Sc.; Thesis title “Effect of different levels of energy on daily gain, feed intake, and carcass characteristics of intact and castrated male kids.” (Graduated January, 2005).
5. Murad Rjoub; M.Sc.; Thesis title “Growth Performance, Carcass and Meat Quality Characteristics of Different Commercial Crosses of Broiler Strains of Chicken.” (Graduated January, 2005).
6. “Mohammad Dia’a” Obeidat; M.Sc.; Thesis title “Investigation of growth and carcass characteristics of pure and crossbred Awassi lambs.” (Graduated May, 2006).
7. Rasha Qudsieh; Ms.c.; Thesis title “The effect of body weight on meat quality of Awassi ram lambs.” (Graduate May, 2006).
8. Haitham Maharmeh; M.Sc.; Thesis title “Effects of strain, age at slaughter and duration of postmortem aging on carcass meat quality traits of broilers.” (Graduated January, 2007).
9. Suliman Matarneh; M.Sc.; Thesis title “The influence of carcass weight and postchill carcass aging duration on broiler breast fillet meat quality characteristics.” (Graduated January, 2007).
10. Areej Rjoub; M.Sc.; Thesis title “The influence of sodium chloride, polyphosphate, and commercial salt mix injections on postchill changes in quality of broiler breast fillets” (Graduate in May, 2008).
11. Zeyad Abu-Saleem; M.Sc.; Thesis title “Growth performance and carcass characteristics of broiler chicks fed graded levels of carob pod (*ceratonia siliqua*)” (Non-graduated, 2010).

12. Mohammad Jamama; M.Sc.; Thesis title “The effect of cold storage and carcass weight on the shelf life and quality characteristics of whole carcass and deboned broiler breast meat.” (Graduate in July, 2010).
13. Nasir Haj-Ali; M.Sc.; Thesis title “The effects of using probiotics and different levels of sesame meal in broiler diets on growth performance and carcass characteristics”. (Graduate in Nov, 2011).
14. Alaa Jamal Ayrout; M.Sc.; Thesis title “Dietary supplementation of Ginger root (*Zingiber Officinale*) in broiler chickens: Influence on growth performance, antioxidant status and carcass and meat characteristics”. (Graduate in 2012).
15. Mohammad S. Al Kasbi; M.Sc.; Thesis title “The effects of using essential oil herbal extracts powder in broiler diets on growth performance, carcass characteristics and immune system” (Graduate in 2017).
16. Thaer Khaled AL-shakhtori; M.Sc.; Thesis title “Evaluate the efficacy of aromatic herbs (artemisia, turmeric (curcuma) and mustard) as a supplementation to the broiler chicken diets on growth performance, carcass and meat characteristic, blood serum profile and small intestine histology” (Graduate in 2020).
17. Murtadah Abdelrahman Khasawneh; M.Sc.; Thesis title “Carcass and meat quality characteristics of Black (Baladi) goats slaughtered at different body weight” (Graduate in 2020).
18. Mohammad Qatef; M.Sc.; Thesis title “Evaluate the efficacy of aromatics herbs (Hot pepper, Rosemary and Achilla millefolium (Yarrow)) as a supplementation to the broiler chicken diets on growth performance, carcass and meat characteristic, and blood serum profile” (Expected to Graduate in 2021).
19. Makram Abdelrahman Khasawneh; M.Sc.; Thesis title “Influence of probiotic of locally isolated *Bacillus subtilis* species administration by water on growth performance, meat characteristic, blood serum profile, small intestine histology and microbial profile in feces of broiler chicken”. (Expected to Graduate in 2021).

Co-supervised:

1. Emad Bsoul; M.Sc.; Thesis title “Impact of Alfalfa “(*Medicago sativa* L.) as a crop on corn (*Zea mays* L.) and weeds”. (Graduated May, 2001).
2. Nawzat Smadi; M.Sc.; Thesis title “An evaluation of milk production and reproductive efficiency in pure and crossbred Awassi ewe”. (Graduated January, 2005).
3. Mahmoud Msa’deh; M.Sc.; Thesis title “Sexual activity in pure and crossbred Awassi lambs”. (Graduated June, 2005).
4. Fatima Lataifeh; M.Sc.; 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”. (Graduated August, 2006).
5. Basheer Nusairat; M.Sc.; Thesis title “Dietary Supplementation of Garlic (*Allium Sativum*): Influence on Performance Parameters, Meat Quality and Humoral Immune Response in Broiler Chicks” (Graduated January, 2008).

6. Mohammad Abdullah Mayyas; M.Sc.; Thesis title “Effects of feeding poultry layer litter on growth performance and carcass characteristics of Awassi lambs” (Graduate in Aug, 2011).
7. Sofian Salim Kolib; M.Sc.; Thesis title “Utilizing crossbreeding mating system to improve growth and carcass traits in Awassi” (Graduated in 2018).
8. Tareg K. Al-Sharaia; Ms.C.; Thesis title “Age-Related influence of xylanase-amylase-protease cocktail on broilers performance fed corn/soy diets” (Graduate in 2019).

Member in the graduate committee:

1. Azzam Al-Yacoub; M.Sc.; Thesis title “The effect of rearing method on sexual performance of Awassi ram lambs”. Jordan University of Science and Technology. (Graduated July, 2002).
2. Rawad Sweedan; M.Sc.; Thesis title “Effect of castration on growth rates and carcass characteristics on fattening Awassi lambs”. Jordan University of Science and Technology. (Graduated July, 2003).
3. Heba Oqla; M.Sc.; Thesis title “The effect of dietary fat inclusion on nutrient intake and reproductive performance in postpartum ewes”. Jordan University of Science and Technology. (Graduated August, 2003).
4. Mustafa Khwaileh; M.Sc.; Thesis title “The effect of prosopis juliflora pods as unusual feed ingredient on the performance and carcass characteristics of Broiler chicks”. Jordan University of Science and Technology. (Graduated August, 2007).
5. Abdullah Nofal; M.Sc.; Thesis title “Effects of growth promoters and abticoccidial compounds interaction on performance, carcass characteristics and some physiological parameters of broiler chicks”. Jordan University of Science and Technology. (Graduated May, 2008).
6. Mohammed Sawalha; M.Sc.; Thesis title “The use of melatonin or progestagen to advance puberty in Awassi ewe lambs”. Jordan University of Science and Technology. (Graduated May, 2008).
7. Firas Gharaibeh; M.Sc.; Thesis title “Effects of feeding sesame hulls on growth performance and nutrient digestibility of Black goat kids”. Jordan University of Science and Technology. (Graduated March, 2008).
8. Bardees Tareq Telfah; M.Sc.; Thesis title “Effect of calcium salts of fatty acids supplementaion on performance of lactating dairy cows and Awassi ewe lambs”. Jordan University of Science and Technology. (Graduated January, 2010).
9. Baha'a Aloqaily; M.Sc.; Thesis title “Effects of feeding sesame hulls on performance and carcass characteristics of Awassi lambs” Jordan University of Science and Technology. (Graduated July, 2009).

External examiner in the graduate committee:

1. Mustafa Ababneh; M.Sc.; Thesis title “The effects of high environmental temperatures on broiler chick’s carcass characteristics”. University of Jordan. (Graduated August, 2001).
2. Mahmoud Oukour; M.Sc.; Thesis title “Microbiological status of meat and some meat products in Nothern Jordan”. Jordan University of Science and technology (Vet school). (Graduated August, 2001).

3. Sameer Darweesh; M.Sc.; Thesis title “Comparing chopped barley straw with alfalfa hay in fattening lambs and goat kids”. University of Jordan. (Graduated June, 2007).
4. Faisal Al-Barakeh; Ph.D; Aleppo University (Graduated in 2007).
5. Badeaa Al-ghlelat; M.Sc.; Thesis title “Effect of feeding conjugated linoleic acid precursors on growth and meat characteristics of fattened small ruminants”. University of Jordan. (Graduated June, 2010).

REVIEWS, CONSULTANCIES AND WORKSHOPS:

Reviewer:

1. Reviewer of the scientific journal “Tropical Animal Health and Production”.
2. Sheep Production book, Reference No. (2446), Published by Al-Quds Open University, 2000.
3. Dairy Cattle Production book, Reference No. (2448), Published by Al-Quds Open University, 2001.
4. Member of the editorial board of the scientific journal “World Journal of Agricultural Sciences – WJAS”.
5. Reviewer of the scientific journal “Journal of Agricultural and Marine Sciences”.
6. Reviewer for Jordan Journal of Applied Sciences. Applied Science Private University.
7. Reviewer for Jordan Journal of Agricultural Sciences; an international refereed research journal.
8. Reviewer of the scientific journal “Journal of Agricultural and Veterinary Sciences”.
9. Reviewer of the scientific journal “Jordan Journal of Biological Sciences”.
10. Reviewer for projects submitted to The Higher Council of Science and Technology.

Consultancies and workshops:

1. A consultancy study on the Effect of introducing herbal Phytogenic Feed Supplement (PFS) on carcass and meat quality characteristics of various broiler breeds. This study was done for the benefit of Global Phytogenics, Ltd. BVI through the Consultative Center for Science and Technology, 2004.
2. A consultancy study on the influence of Phytogenic feed supplement (PFS), - an organic feed supplement, on the output and quality of eggs in laying hens. This study was done for the benefit of Global Phytogenics, Ltd. BVI through the Consultative Center for Science and Technology, 2004.
3. Food Safety and Inspection. **(Part one)** August, 2003 (Organizer). The workshop has been organized in collaboration with Ministry of Municipalities (it was given to health inspectors work for municipalities of the Kingdom).
4. Food Safety and Inspection. **(Part two)** June, 2004 (Organizer). The workshop has been organized in collaboration with Ministry of Municipalities (it was given to health inspectors work for municipalities of the Kingdom).
5. Food Surveillance. **(Part three)** August, 2004 (Organizer). The workshop has been organized in collaboration with Ministry of Municipalities (it was given to health

inspectors work for municipalities of the Kingdom.

6. Dissertation effects on animal welfare and pasture and using technology to cutdown on it in Badia. 31th, July, 2006. Muta University, Jordan.
7. Goat management. 8-9th, March, 2006. National Center for Agricultural Research and Technology Transfer. Jordan.
8. Faculty for factory program. (Part 4) 2006. A consultancy study on "Broiler chicken meat quality as affected by electrical stimulation and bleeding". International Poultry Company / Tamam.
9. Faculty for factory program (Part 5). 2007. A consultancy study on "Improving the quality of marinated and breaded products using different marinade concentrations and solutions". Arabian Trade & Food Industries Co.
10. Faculty for factory program (Part 6). 2008. A consultancy study on "Pre-slaughter handling and slaughtering factors influencing carcass characteristics and bruising of broilers". Jordan poultry processing & marketing Co. Ltd. Hammoudeh poultry.
11. Faculty for factory program (Part 8). 2010. A consultancy study on "Developing Probiotic supplemented broiler feeds". Suleiman Amayreh & Partners Company.

HONORS AND SCHOLARSHIPS:

- 1993 Helen E. Akers Scholarships award.
- 1992 Helen E. Akers Scholarships award.
- 1992 G.O. Ansties Scholarships award.
- 1991 Helen E. Akers Scholarships award.
- 1991 D.J. McGowan Scholarships award.
- 1991 Graduate Research award.
- 1991 Graduate Research award.
- 1991 External Relations and trade Tuition Cost award.
- 1989 External Relations and trade Tuition Cost award.
- 2007 Jordanian Agricultural Engineer Association Award for the best applied research publication

PROFESSIONAL DEVELOPMENT

- Workshop on educational technology, JUST, Jan. 1998,
- Workshop on student grading and evaluation, JUST, Feb. 1999
- Workshop on Microsoft Windows and their applications, Sept. 1999
- Workshop on E-learning, JUST, Feb. 2000
- Workshop on conferences and meetings administration techniques, June. 2001
- Workshop on WIMBA Program, , JUST, Nov. 2010

SERVICE AND COMMITTEES:

Workshop organizing committees:

- Organizing committee for the Czech-Jordanian Cooperation in Agriculture workshop.
- Organizing committee for the Faculty of Agriculture Science Day.

University committees and councils:

- University Council
- Member of the Advisory Committee at the Civil Society Development Center.

National and international committees:

- Member of the Animal Production Council at the National Center for Agricultural Research and Technology Transfer.
- Member of the National Center for Agricultural Research and Extension Council Member of the Higher Committee for Research and Extension.
- Member of the temporary technical committee to resolve any problem in agriculture at the National Center of Agricultural Research and Technology Transfer

Departmental committees:

- Research committee (chairman and member)
- Curriculum development committee (chairman and member)
- Student advising committee (chairman and member)
- Social committee (chairman and member)
- Student affairs committee (chairman and member)
- Library committee (chairman and member)
- Graduate committee (Chairman and member)

College committees:

- Tendering committee (member)
- Curriculum development committee (chairman)
- Student advising committee (member and chairman)
- Student affairs committee (chairman and member)
- Social committee (chairman and member)
- Member of the college council
- Research committee (member)
- Library committee (member)
- Graduate committee (member)

MEMBERSHIP OF PROFESSIONAL SOCIETIES:

- Member, New Zealand Society of Animal Production; since 1990.
- Member, American Meat Science Association; since 1994-1998.
- Member, Agricultural Engineers Association. Amman, Jordan; since 1995.
- Member, the Poultry Science Association. United State of America. 2009-2010.

SKILLS:

- Specialist in different aspects of sheep, goat, and poultry production
- Specialist in different aspects of meat quality measurements.
- Many areas related to meat marination, packaging and safety.
- Animal dissection and carcass composition

- Many areas related to all factors affecting growth and development especially in sheep and poultry.
- Chemical analysis of meat and feed.
- Nutritional analyses of feed samples.

PERSONAL DATA:

- Date of Birth: April 10, 1954.
- Nationality: Jordanian and New Zealand
- Marital Status: Married.