

CURRICULUM VITAE

A. Personal

Name: - Mufeed Awni Alnimer

Date of birth: - November 28, 1957

Place of birth: - Amman

Nationality: - Jordanian

Current work: - Professor/ Reproductive Physiology in ruminants
and Dairy cattle management

Address: - Department of Animal Production

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B. Particulars of education

2001: - PhD in Reproductive Physiology (Influence of the synchronization of ovulation during heat stress on reproductive efficiency in lactating cows). Università Degli Studi di Napoli/Federico II/ Dipartimento di Scienze Zootechniche /Naples - Italy.

1994: - Msc in Reproductive Physiology (Effect of season on embryo quality from superovulated dairy cows). University of Jordan / School of Agriculture/ Department of Animal Production/ Jordan-Amman.

1980: - Bsc in Animal Production. University of Alexandria/Faculty of Agriculture/ Department of Animal Production/ Alexandria-Egypt.

C. Employment

2011-present	Professor. Department of Animal Production/ School of Agriculture/ University of Jordan
2006-2011	Associate Professor. Department of Animal Production/ School of Agriculture/ University of Jordan
2001-2006	Assistant professor. Department of Animal Production/ School of Agriculture/ University of Jordan.
1986-1997	Teaching Assistant and research. Department of Animal Production/ School of Agriculture/ University of Jordan.
1982-1986	Dairy cow manager and supervisor for animal unit. Jordan University Farm/ Jordan valley.

Experience Administration

2019 - 2021: - Vic dean of School of Agriculture. The University of Jordan, Amman, Jordan.

2017-2018 Head, Department of Animal Production, School of Agriculture. The University of Jordan, Amman, Jordan

2009-2016: - Head, Department of Animal Production, School of Agriculture. The University of Jordan, Amman, Jordan.

D. Practical Experience and Training and Short Courses

- 1—From 1982 to 1986, I worked as a dairy cow manager and supervisor for sheep and poultry units at the Agricultural Research Station in Jordan Valley.
- 2- Three-month training course in the field of sheep production at Roseworthy Agriculture College in South Australia (Australia) from Sept. to Nov. 1983.
- 3- Practical training in Artificial Insemination (AI) and Embryo Transfer (ET) for 6 weeks at International Livestock Management Schools (ILMS) and at the Eastern Breeders Inc. (EBI) at Kemptville, Ontario (Canada) from 12 Feb. to 26 March 1990.
- 4- Practical training in Artificial Insemination in sheep at the University of Jordan, 1997, in cooperation with McGill University (Canada).
- 5- The 5th Jordanian Agricultural Scientific Conference at Al-Balqa Applied University, 9-12 May 2005.
- 6- The 6th Jordanian Agricultural Scientific Conference (Safe agriculture to human health and environment), at the University of Jordan, 9-12 April 2007.
- 7- Proceeding of Workshop on Milk Chain from Stable to Table in Countries of the Near East and North Africa Region at the University of Jordan, 16-18 November 2008.
- 8- The 7th Scientific Agricultural Conference Jordan University of Science & Technology Irbid, Jordan, 8-10 October 2012
- 9- From 10-21 March 2013. Training Libyan trainees in Reproductive Physiology and AI of dairy cows – The University of Jordan
- 10- The 9th Conference on Scientific Research in Jordan. The University of Jordan, 9/11/2019

E. Teaching

- 1 Dairy Cattle Production (0602215).
- 2 Applications in Animal Production (0602499).
- 3 Reproductions and Artificial Insemination (0602451).
- 4 Dairy cattle management (0602319).
- 5 Principle of Animal Production (0602101).
6. Reproductive physiology (0602751).
- 7 Physiology of lactation (0602755)
- 8 Endocrinology (0602951)
- 9 Biotechnology in Animal Production (0602901)

F. Current Grants

<u>Title</u>	<u>People</u>	<u>Grantor</u>	<u>Period</u>	<u>Amount (JD)</u>
The effect of using sex-sorted or conventional semen with Vitamin C injection after Modified Double Ovsynch protocol on reproductive performance in lactating dairy cows during summer and winter seasons	Mufeed A. Alnimer Mohamed A. Abedal-Majed	JU Dean of Scientific Research & The Higher Council for Science and Technology (HCST)	22/02/2023 to 22/02/2026	18200
Impact of prolactin concentration and days in milk on the pregnancy rate at first AI postpartum using Ovsynch protocol in lactating dairy cows during summer and winter seasons	Mufeed A. Alnimer Mohamed A. Abedal-Majed Ahmad I. Shamoun	JU Dean of Scientific Research	30/5/2018 to 23/2/2024	12000
Effect of different energy levels post-weaning on ovine intestinal health and ovarian follicular development <i>in vivo</i> and <i>in vitro</i>	Mohamed A. Abedal-Majed Mufeed A. Alnimer Hosam H. Titi Mohannad Abuajamieh	JU Dean of Scientific Research	29/11/2018 to 2022-05-28	20000
Effect of organic zinc on the ovine performance, gut integrity and ovarian follicular development <i>in vivo</i> and <i>in vitro</i>	Mohamed A. Abedal-Majed Mohannad Abuajamieh Hosam H. Titi Mufeed A. Alnimer Anas Abdelqader Mohammad Alqaisi	JU Dean of Scientific Research	26/12/2019 to 26/6/2023	20000

G. Publications

- 1) Lubbadah, W and **Alnimer, M.** 1995. Effect of summer season on superovulatory response and embryo recovery rate in Holstein Friesian Dairy cows. Dirasat Vol. 22B. No. 3, pp. 765-775 (Jordan).
- 2) **Alnimer, M** and Lubbadah, W. 1995. Effect of summer season on the quality of embryo in superovulated Holstein Friesian Dairy cows. Dirasat Vol. 22B. No. 5, pp. 1325-1335
- 3) **Alnimer, M.** 2000. Environmental temperature and reproductive efficiency in dairy cattle: a review. Zoot. Nutr. 26: 21-30 (Italy).
- 4) Alnimer, M., De Rosa, G., Grasso, F., Napolitano, F and Bordi, A. 2002. Effect of climate on the response to three oestrous synchronization techniques in lactating dairy cows. Anim. Reprod. Sci. 71: 157-168.
- 5) Lubbadah, W and **Alnimer, M.** 2003. Different Postpartum hormonal treatments for improving fertility in dairy cows. Dirasat, Agricultural Sciences, 30, 304 - 310.

- 6) **Alnimer, M** and Lubbadah, W. 2003. Effect of using Progesterone Releasing Intravaginal Device with Ovsynch program on reproduction in dairy cattle during summer season. *Asian- Aust. J. Anim. Sci.* 16, 1268 - 1273.
- 7) Mohammad J. T., **M.A. Alnimer**, M.G. Amasheh, F. Barakeh. 2005. Age, body weight and growth rates to the onset of puberty of Mountain Black, Damascus doe kids and crossbreds as affected by season of birth and birth type. *Dirasat*, 32, 296 - 303
- 8) **Alnimer, M.**, M. J. Tabbaa, M. Amasheh, H. Alzyoud. 2005. Hormonal treatments and the ram effect to synchronised oestrus in Awassi ewes at the beginning of the breeding season. *New Zealand Journal of Agricultural Research*, 48, 473–480.
- 9) **Alnimer, M.** 2005. Effect of two Estrous Synchronization Programs on Reproductive Performance of Dairy Cows under Summer Condition in Jordan. *Dirasat, Agricultural Sciences*, 32, 248 –257.
- 10) **Alnimer, M.** 2005. Comparison of an oestrus synchronization protocol with Oestradiol Benzoate and PGF_{2α} and insemination at detected oestrus to a timed insemination protocol (Ovsynch) on reproductive performance of lactating dairy cows. *Reproduction, Nutrition, Development*, 45, 699–708
- 11) Ababneh, M. M., **Alnimer, M. A.**, Mustafa, Q. H. 2007. Effect of Post Insemination Progesterone Supplement on Pregnancy Rates of Repeat Breeder Friesian Cows. *Asian- Aust. J. Anim. Sci.* Vol. 20, No.11, 1670.
- 12) **Alnimer, M. A.**, Mustafa Q. H. 2007. The Effect of Progesterone and Oestradiol Benzoate on Fertility of Artificially Inseminated Repeat-Breeder Dairy Cows during Summer. *Reprod. Dom. Anim.* 42, 363–369
- 13) **Alnimer, M. A.**, and W. F. Lubbadah. 2008. Effect of progesterone (P₄) intravaginal device (CIDR) to reduce embryonic loss and to synchronize return to oestrus of previously timed inseminated lactating dairy cows *Animal Reproduction Science* 107, 36–47
- 14) H.H. Titi, **M. Alnimer**, M.J. Tabbaa and W.F. Lubbadah. 2008. Reproductive performance of seasonal ewes and does fed dry fat during their postpartum period. *Livestock Science*, 115, 34-41.
- 15) M.J. Tabbaa, **M.A. Alnimer**, M. Shboul and H.H. Titi. 2008. Reproductive characteristics of Awassi ewes mated artificially or naturally to Jordanian or Syrian Awassi rams. *Animal Reprod.* 5, 23-29.
- 16) **Mufeed. A. Alnimer.** 2009. The effect of a progesterone (P₄) intravaginal device (CIDR) on resynchronisation of oestrus and embryonic loss in previously timed inseminated dairy heifers. *Animal*, 3:9, 1271-1278.
- 17) **M. A. Alnimer**, M. J. Tabbaa, M. M. Ababneh, W. F. Lubbadah. 2009. Applying variations of the Ovsynch protocol at the middle of the estrous cycle on reproductive performance of lactating dairy cows during summer and winter. *Theriogenology*, 72, 731-740.
- 18) **Mufeed. A. Alnimer.** 2009. Estrous Synchronization using PGF_{2α} with GnRH or Estradiol Benzoate to Improve Reproductive Performance of Lactating Dairy Cows. *Dirasat*, 36, 36-43.
- 19) H.H Titi, RT Kridli and **MA Alnimer.** 2010. Estrus Synchronization in Sheep and Goats Using Combinations of GnRH, Progestagen and Prostaglandin F_{2α}. *Reprod Dom Anim*, 45, 594-599

- 20) Abdulkareem, T., Al-Sharifi, S., Ishak, M., Eidan, S., **Alnimer, M.**, Passavant, C., Branen, J., Sasser, R. **2011**. Early pregnancy detection of Iraqi riverine buffalo (*Bubalus bubalis*) using the BioPRYN enzymelinked immunosorbent assay for PSPB and the progesterone assay. *Reprod Dom Anim.*, 46, 455-462.
- 21) **Alnimer M.A.**, A.A. Alfataftah, M.M. Ababneh. **2011**. A comparison of fertility with a Cosynch protocol versus a modified Ovsynch protocol which included estradiol in lactating dairy cows during the summer season in Jordan. *Anim. Reprod.*, v.8, n.1/2, 32-39.
- 22) Ahmad I. S, **M.A. Alnimer**. **2011**. Effect of Different Hormonal Treatments for Synchronizing Estrus on Fertility of Lactating Dairy Cows. *Jordan Journal of Agricultural Sciences*, V 7, 667- 681
- 23) T.A. Abdulkareem, S.M. Eidan, M.A. Ishak, S.A.M. Al-Sharifi, **M.A. Alnimer**, C.W. Passavant, J.R. Branen, R.G. Sasser. **2012**. Pregnancy-specific protein B (PSPB), progesterone and some biochemical attributes concentrations in the fetal fluids and serum and its relationship with fetal and placental characteristics of Iraqi riverine buffalo (*Bubalus bubalis*). *Animal Reproduction Science*, 130, 33– 41.
- 24) O.S Darras and **M.A. Alnimer**. **2012**. Comparison of two Estrous Synchronization Protocols on Reproductive Performance of Dairy cows. *Jordan Journal of Agricultural Sciences*, V 8, 343- 357.
- 25) M. Ayoub, M. J. Tabbaa, **M. Alnimer**, M. Ababneh. **2013**. Comparison of Plasma Testosterone, Thyroid Levels, and Semen Characteristics of Local and Cross of Improved Awassi Strains in Jordan. *J. Fac. Vet. Med. Istanbul Univ.* 39 (1), 103-112.
- 26) H. Titi, S. Azzam and **M. Alnimer**. **2013**. Effect of protected methionine supplementation on milk production and reproduction in first calf heifers. *Archiv Tierzucht* 56 (22) 225-236.
- 27) **M. A. Alnimer** and M. M. Ababneh. **2014**. Effect of estrus expression prior to ovulation synchronization protocols on reproductive efficiency of lactating dairy cow. *Livestock Science*. 163 (2014) 172–180.
- 28) **Mufeed A. Alnimer** and AhmadI.Shamoun. **2015**. Treatment with hCG 4 or 6 days after TAI to improve pregnancy outcomes in repeat-breeding dairy cows. *Animal Reproduction Science*, 157, 63– 70.
- 29) Firas Mahmoud Hayajneh, **Mufeed Awni Alnimer**, Hosam Hani Titi and Mahfouz Abu-Zanat. **2016**. Public Awareness about Two Foodborne Pathogens and Food Poisoning among Consumers in Jordan. *American-Eurasian J. Agric. & Environ. Sci.*, 16 (12): 1769-1775.
- 30) **Mufeed A. Alnimer**, MohamedA.Abedal-Majed,and Ahmad I.Shamoun.**2019**. Effect of two prostaglandin injections on days 5 and 6 in a timed AI protocol after estrus expression on pregnancy outcomes in dairy cows during cold or hot seasons of the year. *Arch. Anim. Breed.*, 62, 161–170.
- 31) Firas Mahmoud Hayajneh, Hosam Hani Titi, **Mufeed Awni Alnimer** Rabie Irshaid. **2019**. Evaluation of commonly used anthelmintics resistance against Gastrointestinal Parasites Infection in Awassi Sheep in Jordan and alternative herbal medications as anthelmintic drugs. *American Journal of Animal and Veterinary Sciences*, 14, 2, 122-126.

- 32) Abdulhakeem H. Eljarah; Mohammad Abdullah; Mohammad Ababneh; Khalil Jawasreh; Sabry El-Bahr; **Mufeed Alnimr and Sabry Al-bahr. 2019.** CIDR Estrous Synchronization in the Arabian Oryx (*Oryx leucoryx*). *Theriogenology*, 132, 113-117.
- 33) F.M.F. Hayajneh, A. Abdelqader, **M.A. Alnimer**, M.A. Abedal-Majed, J. Al-Khazaleh. **2020.** The role of high-grade Bentonite powder in coccidiosis and its effects on feed conversion ratio and blood parameters in broiler chicken. *Polish Journal of Veterinary Sciences*, 23, 97–107.
- 34) Hosam H. Titi, **Mufeed A. Alnimer**; Mohamed A. Abedal-majed. **2022.** Effect of supplemental rumen-protected methionine on reproduction and production of Awassi ewes. *Italian Journal of Animal Science*. 21:1, 624-633.
- 35). Mohmmad Al-Qaisi, Mohamed A. Abedal-Majed, Mohannad Abuajamieh, **Mufeed Alnimer**, Abdur-Rahman A. Al-Fataftah, Rabie Irshaid, Hosam Titi and Anas Abdelqader. **2022.** Effects of dietary betaine on body temperature indices, performance, metabolism, and hematological variables of dairy heifer calves during hot summer conditions. *Veterinary World*, 15(7): 1657–1664.
- 36) Duha Abu Lawi, Rand Blasi, **Mufeed Alnimer & Hadeel Ghazzaw 2023.** Assessment of dietary consumption in a group of pregnant women at their second and third trimesters in Amman. *Palestinian Medical and Pharmaceutical Journal (PMPJ)*, 8(1): 17-40.
- 37) Mohamed A Abedal-Majed, Mohannad Abuajamieh, Mohmmad Al-Qaisi, Kevin M Sargent, Hosam H Titi, **Mufeed A Alnimer**, Anas Abdelqader, Ahmad I Shamoun, Andrea S Cupp. **2023.** Sheep with Ovarian Androgen Excess have Fibrosis and Follicular Arrest with Increased mRNA Abundance for Steroidogenic Enzymes and Gonadotropin Receptors. *Journal of Animal Science*, 101, 1–11
- 38) **Mufeed A. Alnimer**, Mohamed A. Abedal-Majed, Mohmmad Al-Qaisi, and Ahmad I. Shamoun, **2025.** Effect of circulating prolactin, lactation days, and seasonal variations on first artificial insemination pregnancy rates using the PG7G protocol in dairy cows. *Veterinary World*, 40-51.

H. Award/Prizes/Orders

- 1 Comparison of an oestrus synchronization protocol with Oestradiol Benzoate and PGF2 α and insemination at detected oestrus to a timed insemination protocol (Ovsynch) on reproductive performance of lactating dairy cows. *Awarded by Agriculture Engineers Association (2006)*
- 2 The Effect of Progesterone and Oestradiol Benzoate on Fertility of Artificially Inseminated Repeat-Breeder Dairy Cows during Summer. *Awarded by Agriculture Engineers Association (2007)*

- 3 The effect of a progesterone (P₄) intravaginal device (CIDR) on resynchronization of oestrus and embryonic loss in previously timed inseminated dairy heifers. *Awarded by Agriculture Engineers Association (2011)*
- 4 A comparison of fertility with a Cosynch protocol versus a modified Ovsynch protocol which included estradiol in lactating dairy cows during the summer season in Jordan. *Awarded by Agriculture Engineers Association (2013)*
- 5 Effect of estrus expression prior to ovulation protocol on reproductive efficiency of lactating dairy cow. *Awarded by Agriculture Engineers Association (2014)*

I. Additional Research Experience

- 1 Use of intravaginal progesterone- releasing device (CIDR) and estradiol benzoate to improve fertility of repeat breeder dairy cows, 2002, (Mufeed Alnimer). *Deanship of Academic Research*
- 3 Use of intravaginal progesterone-releasing device (CIDR) on day 14 for 7 day after TAI to return to estrus and improve fertility in dairy cows.
- 1 Use of intravaginal progesterone-releasing device (CIDR) on day 14 after TAI to return to estrus and improve fertility in dairy heifers.
- 2 Resynchronization of estrus by using progesterone (CIDR) estrogen, and GnRH to improve reproductive performance in lactating dairy cows, 2005, (Mufeed Alnimer). *Deanship of Academic Research.*
- 3 The use of pregnant mare serum gonadotrophin (PMSG) or human chorionic gonadotrophin (HCG) to reduce embryonic death and to increase pregnancy rate in repeat-breeder dairy cows, 2007, (Mufeed Alnimer). *Deanship of Academic Research*
- 4 Effect of different hormonal treatments for synchronizing estrus on fertility of lactating dairy cows (Graduate student), 2010.
- 5 Comparison of two estrus synchronization protocols on reproductive performance of lactating dairy cows (Graduate student), 2011.
- 6 Introducing genetically improved cattle embryos through transferring technology to Jordan. 2010, (Mufeed Alnimer), *The national center for biotechnology (NCB).*
- 7 Comparison of plasma testosterone, thyroid levels, and semen characteristics of local and cross of improved awassi strains in Jordan, (Graduate student), 2010
- 8 Effect of an additional prostaglandin to the timed-AI program on reproductive performance of lactating dairy cows. 2012, *Deanship of Academic Research.*
- 9 Effects of dietary fat supplementation on reproductive performance of shami goats (Graduate student), 2004
- 10 Influence of eCG administration at the time of prostaglandin injection in the TAI protocol on pregnancy outcomes of repeat breeder dairy cows. 2015, *Deanship of Academic Research*

- 11 Productive and reproductive responses of Awassi ewes to supplemental source of rumen protected methionine. 2015, *Deanship of Academic Research*. Hussam Titi and Mufeed Alnimer
- 12 Impact of prolactin concentration and days in milk on the pregnancy rate at first AI postpartum using Ovsynch protocol in lactating dairy cows during summer and winter seasons. 2018, *Deanship of Academic Research*. (12000 JD). Mufeed Alnimer , M Ayoub and Ahmmad Shamoun
- 13 Effect of different energy levels post-weaning on ovine intestinal health and ovarian follicular development *in vivo* and *in vitro*. 2018, *Deanship of Academic Research*. (20000 JD). M. Ayoub, Mufeed Alnimer , Hussam Titi and Muhamnd abu Ajameyah

GRADUATE COMMETTES (Supervisor and Member NOT all)

- Endocrinological study of subfertility in Awassi rams in Jordan. (8/2001)
- Effect of ascorbic acid on some parameters and fertility of chilled and frozen Holstein bull semen. (8/2002).
- Postpartum uterine involution in goat in Jordan. (1/2003).
- Liquid cold Equine semen preservation in electrolyte free solution. (May, 22, 2006)
- The effect of bull exposure at the time of artificial insemination on oxytocin levels and pregnancy rates in dairy cattle. (May,10,2007)
- Effect of the method of rearing on sexual activity and libido of Awassi ram lambs. (5/2002).
- Effect of royal jelly (RJ) on the induction of puberty in winter-born Awassi Ewe lambs. (12/2002).
- Effect of PMSG at or before PGF2 α injection on reproductive parameters in artificially inseminated or naturally-mated Awassi ewes. (1/2003).
- Soybean meal as a source of ruminally undegradable protein to improve postpartum reproductive performance of Awassi ewes. (1/2003)
- Effect of administrating increasing dosage of royal jellay on estrous synchronization & pregnancy rate in Awassi ewes. (8/2003).
- The use of melatonin and progestin to advance the breeding season in sheep. (1/2005).
- Effect of Royal Jelly on Duration of Estrus and Endocrine Responses of Awassi Ewes Synchronized Using CIDR-G with or without PMSG. (2003).
- Effect of Progesterone and dopamine agonist (bromocriptine) on reproductive responses of Awassi ewes. (2004)
- Effect of progesterone post-mating on pregnancy rate of Awassi ewes synchronized using CIDR-G. (1/2005)
- Effect of melatonin and flourogestone acetate administration on reproductive responses in ewes. (5/2005)

- The effect of A 4-day progesterone treatment with or without eCG on reproductive performance of Awassi ewes bred out of season. (January, 16, 2006).
- Effects of dietary fat supplementation on reproductive performance of shami goats. (5/2004).
- Sex determination of bovine in vitro produced (IVP) embryos fertilized with sorted and non –sorted semen .(Dec, 2016)
- Comparison of amino acids concentrations in follicular fluid between post-partum and repeat breeder cows. (May, 2012).
- Effect of Dietary Rumen- Protected choline on Productive and Reproductive Performance of Primiparous dairy cows (Aug, 2022).
- Using zinc, betaine, and yeasts cell- walls to combat heat stress on milking dairy cattle performance in arid to semi-arid regions.(Dec, 2022)

K. Community activities

1980-present	Jordanian Agricultural Engineers Association Membership / Amman - Jordan
2012,2013, 2017,2018,2019,2020	Scientific Research Support Fund Membership (Science, Agriculture and Veterinary Sectors) / Ministry of Higher Education / Amman - Jordan
2021	Jordan University Council Member