

Curriculum Vitae



- I. Name:** Abdelsalam Q. Talafha
- II. Address:**
Department of Veterinary Clinical Sciences
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Jordan University of Science and Technology
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E- mail: talafha@just.edu.jo
- III. Current positions:**
- Professor, Faculty of Veterinary Medicine, Jordan University of Science and Technology (JUST). July 2015 to present
 - Dean assistant, Faculty of Veterinary Medicine, Jordan University of Science and Technology (JUST), September 2013 to present
 - Director of the Veterinary Health Center, Faculty of Veterinary Medicine, Jordan University of Science and Technology (JUST), September 2015 to present
- IV. Previous positions:**
- Associate Professor, Faculty of Veterinary Medicine, Jordan University of Science and Technology (JUST). July 14, 2009 to 2015.
 - Senior lecturer (level C) and sabbatical leave, School of Animal and Veterinary Sciences, The University of Adelaide, Australia (February 14, 2011 to January 4, 2012)
 - Senior lecturer (level C), School of Animal and Veterinary Sciences, The University of Adelaide, Australia (August 4, 2012 to August 24, 2012)
 - Assistant professor, Faculty of Veterinary Medicine, JUST. September 2003 to July 13, 2009.
- V. Date & Place of Birth:** December 9, 1973. Jordan

VI. Education:

<u>College attended</u>	<u>Dates attended</u>	<u>Degree awarded</u>
• Faculty of Vet. Medicine, Jordan University of Science and Technology (JUST). Irbid, Jordan	1991-1996	Bachelor of Veterinary Medicine
• School of Vet Medicine, Purdue University, West Lafayette, IN, USA	1998-1999	Academic Review Program
• School of Vet Medicine, Purdue University, West Lafayette, IN, USA	1999-2000	Clinical rotations in the large animal hospital
• School of Vet Medicine, Purdue University, West Lafayette, IN, USA	2000-2001	Internship. Large Animal Medicine, Surgery and Theriogenology
• College of Vet Medicine, University of Georgia, Athens, GA, USA	2001-2003	Residency training, Comparative Theriogenology

VII. Qualifications:

- Bachelor of Veterinary Medicine “BVM”, Jordan University of Science and Technology, 1996
- Diplomate, American College of Theriogenologists (<http://www.theriogenology.org>), USA, September 2003, Comparative Theriogenology

VIII. Veterinary Practice Licensures:

<u>State/Province/Country</u>	<u>Effective dates</u>
• Jordan	1996 to present
• Georgia, USA	July 2001-July 2003
• South Australia, Australia	2011

IX. Membership in Professional/Scientific Societies:

<u>Name of Society</u>	<u>Dates of membership</u>
• Jordanian Veterinary Medical Association, Jordan	1996 to present
• American Veterinary Medical Association, USA	2001-2003
• Society for Theriogenology, USA	2001-2003
• American College of Theriogenologists, USA	2003 to present
• Veterinary Surgeon Board South Australia, Australia	2011

X. Continuing Education Programs in Theriogenology attended:

<u>Title and sponsoring institution</u>	<u>Dates attended</u>
• American College of Theriogenologists (ACT) / Society for Theriogenology (SFT) annual conference, Columbus, OH, USA	September 17-18, 2003
• ACT/SFT annual conference, Colorado springs, CO, USA	August 7-11, 2002
• The 88 th annual fall conference for veterinarians, Purdue University, West Lafayette, IN, USA	September 20-22, 2000
• The 87 th annual fall conference for veterinarians, Purdue University, West Lafayette, IN, USA	September 9-10, 1999

XI. Other Continuing Education workshops attended

1. Students' records and Evaluation. Consultative Center for Science and Technology. JUST. 10-12 February 2004
2. Management of pregnant ewes and newborn lambs, Madaba, Jordan, 2004
3. Effective teaching by using new teaching technologies. Consultative Center for Science and Technology. JUST. 27-29 September 2004
4. Rift Valley Fever, Jordan Ministry of Agriculture, 2007
5. Veterinary Health Services in Jordan. Scientific symposium on "Regional Research Collaboration in Veterinary Sciences". Aristotle University, Thessaloniki, Greece, February 7-11, 2008.
6. The workshop on regional cooperation on animal welfare and the 8th Scientific Conference of the Jordanian Veterinary Association, 4-6/10/2009, Amman-Jordan
7. Copyright Induction Course. The University of Adelaide, Australia. 25th February 2011
8. Fair play on Campus, Module 1 "What Everyone Needs to Know". The University of Adelaide, Australia. 25 February 2011
9. Fair play on Campus, Module 2 "Managers and Supervisors". The University of Adelaide, Australia. 25 February 2011
10. Effective Use of MyUni. Division of Services and Resources, Infrastructure, Property and Technology. The University of Adelaide, Australia. 02 March 2011
11. Statistical Package for Social Sciences (SPSS program). Academic Development and Quality Assurance Center. JUST. 19-22 September 2013
12. Development of Curriculum and Study Plans. Academic Development and Quality Assurance Center. JUST. 19-20 January 2014
13. Electronic Learning. Academic Development and Quality Assurance Center. JUST. 9-10 February 2014

XII. Honors:

<u>Recognition</u>	<u>Society/Organization</u>	<u>Date</u>
• Scholarship from Jordan University of Science and Technology to do large animal internship and residency program in Theriogenology / USA	Jordan University of Science and Technology, Irbid-Jordan	1998-2003
• Ranked first on the board commission's list of Jordanian nominee-candidates for the 2011-2012 Fulbright Visiting Scholar (Post-Doctoral) Research Grant Program	Jordanian-American Commission for Educational Exchange (JACEE); (The Binational Fulbright Commission in Jordan)	2011
• Arab Fund Fellowship Program "Zamalat Fellowship"	Arab Fund for Economic and Social Development, Kuwait	2011

XIII. Research interests:

- Reproductive endocrinology
- Epidemiology of infectious causes of abortion in ruminants in Jordan

XIV. Oral presentations at Meetings (Veterinary, Lay public):

<u>Meeting Type</u>	<u>Presentation</u>
Veterinary	1. Cystic Ovarian Disease In Cattle, Purdue University, USA, 2001 2. Enlarged Ovaries In Mares, University of Georgia, USA, 2002 3. Bovine Reproductive Technologies, University of Georgia, USA, 2003 4. Bovine Embryo Transfer, University of Georgia, USA, 2003 5. Rift Valley Fever, Jordan Ministry of Agriculture, Jordan, 2007 6. Abortion in Ruminants, scientific symposium on "Regional Research Collaboration in Veterinary Sciences". Aristotle University, Thessoloniki, Greece, February 7-11, 2008. 7. Veterinary Health Services in Jordan. Scientific symposium on "Regional Research Collaboration in Veterinary Sciences". Aristotle University, Thessoloniki, Greece, February 7-11, 2008. 8. Prevalence and risk factors associated with bovine viral diarrhea virus infection in dairy herds in Jordan. The workshop on regional cooperation on animal welfare and the 8th Scientific conference of the Jordanian Veterinary Association, 4-6/10/2009, Amman-Jordan 9. Veterinary Education in Jordan. Workshop title: "Toward a Mediterranean Union for veterinary education"; AGR 41540, organized by the Technical Assistance Information Exchange Instrument (TAIEX) of the European Commission in cooperation with Alfort Veterinary School, Maisons-Alfort, France, 7 - 8 October, 2010. 10. Infectious causes of abortion in sheep and goats in Jordan. Workshop title: Recent Advances in the diagnosis of infectious causes of abortion in ruminants. 6-7 January 2014. Jordan
Public	1. Rectal Palpation and Ultrasonography In Mares, University of Georgia, Athens, GA, USA 2002 2. Management of pregnant ewes and newborn lambs, Madaba, Jordan 2004 3. Selection and preparation of the mare and stallion for breeding and current industry guidelines for Artificial Insemination, Adelaide, South Australia, Australia, 2011.

XV. Publications (refereed journals):

1. A. Ijaz, **A. Q. Talafha**. Torsion of the uterus in an Awassi sheep. *Australian Veterinary Journal*, 1999; 10:652-653
2. **A. Q. Talafha**, Z. A. Bani-Ismael, A. T. Peter. Cystic ovarian degeneration in cattle: an update on pathogenesis and treatment. *The bovine practitioner*, 2003; 2: 114-119
3. M.B.F. AL-Zghoul, R. K. AL-Rukibat, **A. Q. Talafha**, O. Ababneh, Z. A. Bani Ismail. Cellular and some biochemical changes in blood and peritoneal fluid constituents in Awassi lambs following elective castration. *American Journal of Animal and Veterinary Sciences*, 2008; 3(1): 23-27
4. A.M. Al-Majali, K.I. Jawasreh, H.A. Talafha, **A. Q. Talafha**. Neosporosis in sheep and different breeds of goats from southern Jordan: prevalence and risk factors analysis. *American Journal of Animal and Veterinary Sciences*, 2008; 3(2): 47-52
5. **A. Q. Talafha**, S. Q. Lafi, M. M. Ababneh. The effect of estrus synchronization treatment on somatic cell count of transitional-anestrus local-Damascus cross breed goats' milk. *Tropical Animal Health and Production*, 2008; 40: 185-192
6. S. Q. Lafi, **A. Q. Talafha**, N. Giadinis, E. Kalaitzakis, K. Pourliotis, N. Panousis. Factors affecting the reproductive performance of Awassi sheep flocks in north-east of Jordan: An epidemiological study, *Tropical Animal Health and Production*, 2009; 41: 1755-1764
7. **A. Q. Talafha**, S. M. Hirche, M. M. Ababneh, A. M. Al-Majali, M. M. Ababneh. Prevalence and risk factors associated with bovine viral diarrhea virus infection in dairy herds in Jordan. *Tropical Animal Health and Production*, 2009; 41: 499-506
8. M. Al-Majali, **A. Q. Talafha**, M. M. Ababneh, M. M. Ababneh. Seroprevalence of, and risk factors for, brucellosis in cattle in Jordan. *Journal of Veterinary Science*, 2009; 10(1): 61-65
9. **A. Q. Talafha**, S. Q. Lafi, M. M. Ababneh. The effect of estrus synchronization treatment on somatic cell count of transitional-anestrus Awassi ewes' milk. *Tropical Animal Health and Production*, 2009; 41: 161-170
10. **A. Q. Talafha**, M. M. Ababneh. Awassi sheep reproduction and milk production: Review. *Tropical Animal Health and Production*, 2011, 43:1319–1326
11. **A. Q. Talafha**, M. M. Ababneh, M. M. Ababneh, A. M. Al-Majali. Prevalence and risk factors associated with *Chlamydophila abortus* infection in dairy herds in Jordan. *Tropical Animal Health and Production*, 2012, 44:1841–1846
12. **A. Q. Talafha**, A. M. Al-Majali. Prevalence and risk factors associated with *Neospora caninum* infection in dairy herds in Jordan. *Tropical Animal Health and Production*, 2013, 45:479–485
13. M. M Ababneh, I. N. Obeidat, M. Q. Husein, **A. Q. Talafha**. Effect of acute bull exposure around the time of artificial insemination on serum oxytocin and progesterone concentrations and pregnancy rates in dairy cows. *Reproduction in Domestic Animals*, 2013, 48(2): 223-230

14. **A. Q. Talafha**, M. M. Ababneh, M. S. Khalifeh, A. M. Al-Majali. Effect of intravaginal fluorogestone acetate sponges on prolactin levels of Damascus-local cross breed goats. *Tropical Animal Health and Production*, 2015, 47:277–283
15. M. S. Awawdeh, **A. Q. Talafha**, B. S. Obeidat. Postpartum injection with vitamin E and selenium failed to improve the performance of Awassi ewes and their lambs. *Canadian Journal of Animal Science*, 2015, 95: 111-115
16. **A. Q. Talafha**, S. M. Abutarbush, D. L. Rutley. Seroprevalence and potential risk factors associated with *Neospora* spp. infection among asymptomatic horses in Jordan. *Korean Journal of Parasitology*, 2015, 53(2): 163-167
17. **A. Q. Talafha**, A. M. Al-Majali, M. M. Ababneh, S. M. Abutarbush. Epidemiologic study on *Besnoitia besnoiti* infection in dairy herds in Jordan. *Parasitology Research*, 2015, 114(7):2491-2497. DOI: 10.1007/s00436-015-4448-5.
18. S. M. Abutarbush, A. La Rocca, K. Wernike, M. Beer, K. AL Zuraikat, O. M. Al Sheyab, **A. Q. Talafha**, F. Steinbach. Circulation of a simbu serogroup virus, causing Schmallenberg virus-like clinical signs in northern Jordan. *Transboundary and Emerging Diseases*. Article first published online : 30 DEC 2015, DOI: 10.1111/tbed.12468
19. M.S. Awawdeh, **A. Q. Talafha**. Blood and milk status of vitamin E, vitamin A, and selenium in nursing Awassi ewes injected with vitamin E and selenium. *Acta Agriculturae Scandinavica, Section A*, 65(3-4): 176-182. DOI: 10.1080/09064702.2016.1160145.
20. Musa A. Alshehabat, Myassar O. Alekish, **A. Q. Talafha**. Selected metabolic biochemical and enzyme activities associated with *Besnoitia besnoiti* infection in dairy cattle. *Tropical Animal health and Production*. Accepted April 2016
21. **A. Q. Talafha**, S. M. Abutarbush, D. L. Rutley. Epidemiologic status of equine viral arteritis, equine infectious anemia and glanders in Jordan. *Journal of Equine Veterinary Science*, 2016, 42:52-55

XVI. Manuscripts submitted for publication

1. Myassar O. Alekish, **A. Q. Talafha**, Musa A. Alshehabat. Some metabolic and biochemical profile changes associated with *Neospora caninum* infection in dairy cattle. *Journal of Veterinary Science*. Date submitted April 2016.

XVII. Research Projects funded by Deanship of Research / Jordan University of Science and Technology

1. Evaluation of the toxic effect of Ferula Plant Ingestion on Awassi Sheep Reproductive System. Project number: 88/2005. Budget 6300 \$
2. Prevalence and Risk Factors Associated with Bovine Viral Diarrhea Virus Infection in Dairy herds in Jordan. Project number: 140/2007. Budget 5740 \$
3. Effect of plasma prolactin hormone concentration on milk somatic cell count of Awassi sheep and mixed local goats breed. Project number: 85/2010. Budget 12600\$

4. Prevalence and Risk Factors Associated with Rift Valley Fever Virus Infection in Dairy cows, Awassi sheep and camels in Jordan. Project number: 88/2013, 9520\$

XVIII. Graduate students committees completed:

Major advisor:

1. Sana M. Hirche. Prevalence and risk factors associated with bovine viral diarrhea virus infection in dairy herds in Jordan. (Accepted in graduate school: 2nd Semester 2006/2007)

Committee member:

1. Abdalrahman Al-Tillawi: Cold preservation of equine semen in electrolyte free solution. Graduated June 2006
2. Ibrahim Obiedat: Role of bull exposure at the time of artificial insemination on oxytocin levels and pregnancy rates in dairy cows. Graduated June 2007
3. Bushra Rasmi Haddad: Discrimination between infected and vaccinated animals of foot and mouth disease virus using NSP-ELISA. Graduated May 2012
4. Saed Sulieman Manasrah: Effect of equine chorionic gonadotropin on amino acids concentrations in follicular fluid of repeat breeder cows. Graduated October 2012

XIX. Students evaluation records for courses taught by Dr. Abdelsalam Talafha

1. VM 484 Theriogenology I; 2nd semester 2009/2010. 89.7%
2. VM 484 Theriogenology I Practical Lab; 2nd semester 2009/2010. 92%
3. VM 592 Veterinary Clinic, 2nd semester 2009/2010. 94.3%
4. VM 583 Theriogenology II; 1st semester 2010/2011. 93.5%
5. VM 583 Theriogenology II Practical Lab; 1st semester 2010/2011. 93.8%
6. VM 484 Theriogenology I; 2nd semester 2011/2012. 95.2%
7. VM 583 Theriogenology II; 1st semester 2012/2013. 89.6.5%
8. VM 583 Theriogenology II Practical Lab; 1st semester 2012/2013. 89.8%
9. VM 523 Hormones of Reproduction; 2nd semester 2012/2013. 86.9%

XX. Courses taught:

• **Undergraduate:**

1. Theriogenology I (VM 484):
This course is the first of two classes directed toward clinical animal reproduction. In general, this class is designed to teach reproductive management and diseases of the female and male ruminants. This course is divided into three major parts: the first part covers the gynecological aspects of the non-pregnant female, the second part covers normal and pathology of pregnancy, parturition and postpartum period and in the third part male ruminant Theriogenology will be covered. The practical part of this class is designed to teach how to perform detailed reproductive examination of the female and male ruminants. The class is administered each semester and consists of 32 lectures (50 minutes each) and 32 practical sessions (2 sessions a week, each practical session is 3 hours).
2. Theriogenology II (VM 583)
This course is the second of two classes directed toward clinical animal reproduction. In general, this class is designed to teach normal reproductive processes, reproductive management, and control of the reproductive cycle, normal and pathology of pregnancy, parturition, and postpartum period as it occurs in horses and small animals. In addition, basic reproductive management and diseases of these animals will be covered in this class. The practical part of this class is designed to teach how to perform detailed reproductive

examination and how to approach, recognize and treat cases of dystocia in horses and small animals. The class is administered each semester and consists of 32 lectures (50 minutes each) and 32 practical sessions (2 sessions a week, each practical session is 3 hours).

3. Veterinary clinic I (VM 591)

This course covers skills concerning diagnosis and treatment of diseases in different animal species referred to the veterinary health center or through field services. The course is divided into 6 clinical rotations (Medicine, Theriogenology, Surgery, Clinical pathology and necropsy, Poultry and infectious diseases). Each rotation is two-weeks. Students must go through all rotations and set for a comprehensive exam to pass the course. The class is administered each semester

4. Veterinary clinic II (VM 592)

This course is a continuation of veterinary clinic I (VM 591)

5. Hormones of reproduction (VM 523)

This is an elective course for 5th year veterinary students. The course covers subjects related to hormonal regulations of male and female reproductive systems and methods of improving reproductive performance in farm animals. The course consists of 16 lectures (50 minutes each)

6. Animal Husbandry (VM 225)

This course covers methods of handling, controlling and identification of different anatomical body regions and breeds of domestic animals. The students are also introduced to methods of writing short essays and reports related to issues and problems in animal husbandry. The class is administered once a year and consists of 32 lectures (50 minutes each) and 32 practical sessions (2 sessions a week, each practical session is 3 hours).

7. Animal biotechnology (BT 411)

The course covers topics such as: Transgenic animals and their applications; In vitro fertilization and embryo transfer; cloning and its potential applications as well as other reproductive technologies. The class is administered once a year and consists of 32 lectures (50 minutes each).

8. Veterinary Practice Fundamentals C “VET SC 7008RW”, Theriogenology part.

This course was taught at the School of Animal and Veterinary Sciences, The University of Adelaide, South Australia, Australia. The course covers subjects related to bovine, equine and small animal Theriogenology. The course consists of 24 lectures (50 minutes each) and 6 practical sessions (each practical is 3 hours)

• **Graduate:**

1. Practical training I (VM 713)

Students in this course are exposed to clinical cases where they can obtain information related to the history of the case and collecting information on the clinical signs and findings. Problem-solving skills, self-directed learning, developing good team work and interpersonal communication skills and application of material from the basic sciences are applied. Students are trained to use appropriate methods and techniques to reach clinical diagnosis and to administer appropriate treatment whether conservative or surgical. Students are trained in veterinary health center, specialized laboratories in the faculty and in slaughterhouses and food factories.

2. Practical training II (VM 714).
This course is a continuation of Practical Training I (VM 713)
3. Fertility and infertility (VM 761)
Students are acquainted with fertility standards in farm animals and their measures and learn methods of record keeping. The course covers also the causes, methods of investigation, prevention and treatment of infertility and sterility problems in farm animals.
4. Artificial insemination and hormones (VM 762)
The course covers physiology of male reproduction, methods of semen handling and artificial insemination in farm animals. The course provides solid foundation in endocrinology and hormones of the male. In addition, this course covers the principles of cryobiology and freezing of semen in different domestic animal species
5. Advanced Theriogenology (VM 763)
Students learn physiology and pathology of pregnancy and parturition, different methods of pregnancy diagnosis and complications of parturition in farm animals. Students are trained on application of diagnostic and therapeutic plans and offer prognosis for cases of abortion, dystocia and diseases of the puerperium.
6. Pathology of Reproductive System (VM 764)
The course covers topics related to the pathology of male and female reproductive systems of farm animals. Pathology of abortions are also discussed.

XXI. Service to Jordan University of Science and Technology, Department of Veterinary Clinical Sciences and Faculty of Veterinary Medicine (served on following committees as either chair or member):

- 1) Veterinary community service, 2007,2008
- 2) Buying Animals for teaching purposes, 2006,2007
- 3) Social activities, 2003, 2004, 2006, 2007, 2008, 2009
- 4) Reconstruction of the veterinary health center, 2006, 2007
- 5) Planning of teaching animals housing, 2006, 2007
- 6) Scientific presentations, 2003, 2004
- 7) Audiovisual supplies, 2003, 2004
- 8) Diagnostic lab, 2003, 2004
- 9) Graduate studies, 2004, 2005, 2009, 2010
- 10) Animal welfare, 2005, 2006
- 11) Scientific supplies, 2005 to 2009, 2013 to 2016
- 12) Veterinary Skills Lab 2013-2015
- 13) Updating the faculty of veterinary medicine website 2014-2015
- 14) Writing exam questions for students applying for admission to the Faculty of Veterinary Medicine 2014-2015
- 15) Coordinating the construction of Anatomy building with unit of engineering projects at JUST 2014-2015
- 16) Supervising the students election for JUST student union 2014-2015
- 17) Veterinary Education Twinning Project; OIE - Royal Veterinary College – Jordan University of Science and Technology, 2015
- 18) Representative of the Faculty of Veterinary Medicine in the Faculty of Graduate Studies – JUST council 2014-2015
- 19) Scientific Conference in Veterinary Medicine 2015-2016

- 20) Veterinary curriculum 2014-2015
- 21) Faculty members promotion 2014-2015