

Curriculum Vitae

Prof Mohammad J. Tabbaa PhD.

Full Professor

Department of Animal Production

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Date of Birth: Dec. 29, 1963

Nationality: Jordanian

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ACADEMIC QUALIFICATIONS:

- PhD. in Animal Science (Animal Breeding and Genetics, with a Minor in Statistics) 1993: North Carolina State University, USA Thesis Title: Genetic and Environmental Effects on Length of Productive Life in Holsteins.
- MSc. in Animal Science (Animal Breeding and Modeling) 1990: Washington State University, USA Thesis Title: Optimum Milk Production from Awassi sheep in Jordan.
- BSc. in Animal Production: 1986, University of Jordan, Jordan.

WORK EXPERIENCE:

- 1993 – Now, Faculty member of the Department of Animal Production, University of Jordan, Amman, Jordan.
- 2014 January – August 2018, Lead researcher at Abu Dhabi Food Control Authority (ADFCA), Abu Dhabi UAE, during Sabbatical leave.
- 2011 – 2012, Department Head of the Department of Animal Production, Mutah University, Karak, Jordan, during Sabbatical leave.

RESEARCH OF INTEREST:

- Animal Breeding and Genetic Improvement of Livestock.
- Studying the Environmental and Management Factors Affecting Productivity of Farm Animals.
- DNA-Parentage testing of livestock and wild life animals.
- DNA-Marker Assisted Selection and Quantitative trait loci (QTL) detection in livestock
- Genetic conservation of livestock and wild life animals.

- Using Computer simulation software in modeling future
- Animal genetics and dynamics for conservation genetics programs (e.g. Population viability analysis)
- Genetic identification of farm animals
- Quantitative and molecular analysis of livestock genetics and breeding.
- Characterization of Farm Animals.

TEACHING EXPERIENCE:

No.	Course	Number	Level	CR
1	Agriculture Development in Jordan	603101	BSc.	3
2	Principles of Animal Production	602211	BSc.	3
3	Sheep Production	602314	BSc.	3
4	Breeding and Improvement of Farm Animal	602461	BSc.	3
5	Seminar in Animal Production	602491	BSc.	1
6	Practical in Animal Experiments	1102453	BSc.	1
7	Seminar in Animal Production	602791	MSc.	1
8	Experimental Design and Analysis I	601701	MSc.	3
9	Quantitative and Population Genetics	601761	MSc.	3
10	Experimental Design and Analysis II	601702	PhD.	3

GRADUATE ADVISER:

1. Major Adviser for MSc. students
2. Co-adviser for MSc. Students
3. Statistics Adviser for the Researchers and Graduate Students at University of Jordan.

RESEARCH PROJECTS:

1. Factors influencing the breeding objectives, and selection criteria for small ruminant breeds in Abu Dhabi Emirate.
2. Factors affecting the characteristics of small ruminant breeds in the Abu Dhabi Emirate.
3. Factors affecting the morphological characteristics of indigenous chickens in the Abu Dhabi Emirate, UAE.
4. Dystocia and their management in Arabian Camel (*Camelus dromedarius*), with particular reference to Cesarean section in the Emirate of Abu Dhabi.
5. Morphology and characteristic of toe tumor in Camels (*Camelus dromedarius*).
6. Udder and teat characteristics of Awassi ewes in Jordan and factors affecting them.

7. Application of several mathematical models to daily milk production of Awassi ewes in Jordan.
8. Statistical Consultant for Research Project: Improvement of Agricultural Productivity in Arid and Semi-Arid Zones of Jordan (JAZPP).
9. Statistical Consultant for Research Project: Conservation and Sustainable Use of Dryland Agro-biodiversity in the Near East (Jordan).
10. Statistical Adviser for Several Medical Research Projects
11. Technical, Environmental, Social and Economical Factors affecting the Dairy Cattle Sector in Jordan.
12. Using Natural Zeolite in Feeding Rations of Awassi Lambs
13. Age and Weight of Dairy Heifers at First Insemination and Calving
14. Using Natural Zeolite and Urea in Feeding Rations of Awassi Lambs
15. Using Linear Programming in Planning Feeding Rations for Sheep in Jordan Using Agriculture and Agro-industry By-Products in addition to Traditional Feed Stuff.
16. Determining the Local Goat Breeds of Jordan Using Polymerase Chain Reaction and Studying Some Productive and Morphostructural Characteristics
17. Body Weight, Growth Rate, and Carcass Characteristics of Awassi and Chios Sheep and Their Crosses
18. Genetic Improvement of Awassi sheep in Jordan.

AWARDS:

1. A Doctor for Each Factory Award from A Doctor for Each Factory Program for Developing Statistical Programs for Statistical Analysis of Pharmaceutical Data 2005 in the second Cycle, University of Jordan, Amman - Jordan.
2. Distinguished Academic Book Award from the Agriculture Association on Sheep Production Book 2003, Amman - Jordan.
3. Distinguished Academic Book Award from the Agriculture Association on Dairy Cattle Production Book 2003, Amman - Jordan.

CONSULTATIONS:

1. Developing the Agricultural Strategy of the Government of Saudi Arabia for ten years to come (2016-2025). 18 August 2015 – 25 May 2016.
2. Regional Consultation on The Contribution of Livestock to Food Security in the Countries of the Near East and North Africa region, 17-18 January 2016, Semiramis Intercontinental Hotel, Cairo, Egypt.
3. Cooperating in developing the Research and Development Strategy of The Abu-Dhabi Food Control Authority April 2015 – August 2015.
4. Developing a concept note and fully-fledged quality project document on “*Improvement of animal production and local animal breeds in Libya*”, International Consultant “Expert on Animal Production Development”, RNERD,

- FAO, Home based and field visit to Libya, 9 November – 17 December 2013, Amman, Jordan and Tripoli, Libya.
5. Reviewing and discussing the reorganization of AI and ET section within Abu Dhabi Food Control Authority March 2016.
 6. Assessing the impacts of climate change on livestock and vice versa to formulate adaptation and mitigation strategies in Jordan FAO Representation – Jordan: Adaptation to Climate Change to Sustain Jordan’s MDG Achievements, 3 April – 3 August 2011.
 7. Member of the steering committee for Agriculture Secondary Schools Curriculum, Ministry of Education, Amman–Jordan.
 8. Credited Statistical Consultant for the **Deanship of Academic Research** at University of Jordan, Amman, Jordan.
 9. Statistical Consultant at the Jordanian Pharmaceutical Manufacturing PLC. Developing statistical routines using SAS and EXCEL for analysis of Pharmaceutical experiments from July 1, - October 1, 2005.
 10. Consultation visit to Al-Watania farm for livestock production at Domet Al Jandal-Al Jouf, Saudi Arabia, 21-26/6/2003.
 11. Tabbaa MJ 2002. Cattle Biodiversity in Jordan. Consultation Report for National Center for Agriculture Research and Technology Transfer (NCARTT), Amman, Jordan.
 12. Statistical Consultant for Research Project: Conservation and Sustainable Use of Dryland Agro-biodiversity in the Near East (Syria and Palestine) through ICARDA: A Community Based Grazing Management Practices
 13. Statistical Analysis for Several Research Projects, Including Agricultural and Medicinal Researches in Jordan, Syria and Palestine.
 14. Member of Consultation Committee for the Animal Wealth Department at the National Center for Agriculture Research and Technology Transfer (NCARTT), From 1996 - 2005.
 15. Consultant for Sheep and Goat Breeding and Management at The Ministry of Agriculture at Walla and Fujaje Stations, From 1995 - 1997.
 16. Consultant for Sheep Breeding and Management at Smi’a Sheep Improvement Station, Jordan Cooperative Organization. From 1994 - 1995.

WORKSHOPS AND TRAINING COURSES:

1. Regional Consultation on The Contribution of Livestock to Food Security in the Countries of the Near East and North Africa region, 17-18 January 2016, Semiramis Intercontinental Hotel, Cairo, Egypt.
2. Characterization and Value Addition to local Breeds and their Products workshop *FAO (AGAG, RNE, SNE)*, 19-21 Novembre 2012 Rabat, Morocco.
3. Using SAS program for analysis of Research projects 12 February – 24 April 2012, Faculty of Agriculture, Mutah University, El-Karak–Jordan.
4. Expert Consultation Meeting on Small-Scale Dairy’s Sector Development for Countries in the Oriental Near East, SNO, FAO 12-14 July 2011, Cairo, Egypt

5. The First Global Workshop on: "Genebank Development for the Conservation of Animal Genetic Resources" April 21-23, 2009, Tunis-Tunisia
6. Statistical analysis using SPSS program 17 June to 5 July 2007, Center of Consultation, University of Jordan, Amman-Jordan.
7. Using SAS program for analysis of Research projects 2 – 12 June 2003, Agricultural Engineering Association, Amman-Jordan.
8. Using SAS program for analysis of Research projects 27 – 30 July 2002, University of Jordan and ICARDA, Amman-Jordan.
9. Molecular genetics and Genetic Analysis 10 – 28 July 1999, University of Jordan, Amman, Jordan.
10. Introduction to Modeling and Model Maker Computer Program 19 - 23 June 1999, University of Jordan.
11. Introduction to Modeling Workshop, 27 June - 1 July 1998, University of Jordan.
12. Artificial Insemination in Sheep and Goat Workshop, 7 - 12 June 1997, University of Jordan, Deir Alla', Jordan.
13. Workshop on Sheep and Goat improvement in The Dry and Semi Dry Land, ACSAD, 5 - 12 April 1997, Amman -Jordan.
14. Training Workshop on Using Computer for Animal Production Experiments, 2 - 6 March 1996, University of Jordan and ICARDA, Amman-Jordan.
15. Training Workshop on Artificial Insemination and Embryo Transfer in Sheep, 16 - 27 Jan 1996, Guelph, Canada
16. Desertification Control Workshop, 5 Sep. 1995, Amman-Jordan.
17. Breeding of Small Ruminant Workshop, at the National Center for Agriculture Research and Technology Transfer (NCARTT), 31 July - 1 Aug 1995, Baqaa' - Jordan.
18. A visit to IPA Center for Agriculture Research, 16 - 20 Jan. 1995, Baghdad, Iraq.
19. Workshop on Standardization of fat-tail sheep performance in the Near East, ICARDA 10 - 11 April 1994, Amman-Jordan.

EXPERIENCE WITH COMPUTER:

- Using computer since 1985, with good experience in Windows, Word, Excel, Power point, Access, Dbase VI, SPSS and Internet Explorer.
- Programming in SAS and FORTRAN languages.

SCIENTIFIC SYMPOSIUMS AND CONFERENCES:

1. Organizing the Expert Consultation on: "Livestock Activities in the Periurban Areas and Their Impacts on Environment" 13-16 June 2011, with cooperation with the Regional Office for the Multidisciplinary Team for Oriental Near EAST (SNO) of the Food and Agriculture Organization of the United Nations (FAO) and The Faculty of Agriculture, University of Jordan, Amman, Jordan.
2. Organizing the Workshop "Milk Chain from Stable to Table" During 16-18 November 2008, with cooperation with The Regional Office for the Near East of

the Food and Agriculture Organization of the United Nations (FAO) and The Faculty of Agriculture, University of Jordan, Amman, Jordan.

3. Organizing Scientific Day for Dairy Cattle, 31 Oct 2002, Agricultural Engineering Association. Amman–Jordan.
4. International conference on Biotechnology in Agriculture, 5-7 Sept 2000. Al-Salt - Jordan. Reporter and attendance.
5. The Third Agricultural Conference, 27 - 29 April 1999, University of Muta'a, Kerak - Jordan.
6. The Second Agricultural Conference, 29 - 30 May 1997, Jordan University for Science and Technology, Irbid-Jordan.
7. The Annual Meetings for Discussing the Results of Mashreq and Magrib Project at ICARDA, for 1993 - 1997, Baqaa' - Jordan.
8. Scientific Day for Dairy Cattle, 8 Oct 1995, Agricultural Engineering Association. Amman–Jordan.
9. Near East Small Ruminant Network University of Jordan, 12 - 13 April 1994, Amman–Jordan.

PUBLICATIONS IN SCIENTIFIC JOURNALS:

1. Rawashdeh RN, Abu-Awwad AM and **Tabbaa MJ** 2021. Impact of treated wastewater on soil nutrients and crops irrigated using drip and sprinkler systems. *Jordan J. of Agricultural Sciences*. 17(2): 59-71.
2. Freihat HA, Abu-Awwad AM and **Tabbaa MJ** 2021. Impact of blended treated wastewater and irrigation frequency on corn production and soil nutrients. *Jordan J. of Agricultural Sciences*. 17(2): 73-84.
3. Afifi HS, Al Marzooqi HM, **Tabbaa MJ** and Arran AA 2021. Phytochemicals of *Conocarpus* spp. as a natural and safe source of phenolic compounds and antioxidants. *Molecules* 26(4), 1069. <https://doi.org/10.3390/molecules26041069>
4. Al-Atiyat R, **Tabbaa MJ**, Barakeh FS, Awawdeh F, Baghdadi SH and SIGHT project 2021. Power of phenotypes in discriminating Awassi sheep to pure strains and from other breeds. *Tropical Animal Health and Production*, 53:139-. <https://doi.org/10.1007/s11250-021-02578-6>
5. Alsaud WS, **Tabbaa MJ**, Kasabri VN, Suyagh MF, Abu Alsamen MA, Haddad HM and Sheweiki AO 2020. Prevalence of cardiovascular Diseases Risk Factors Among Jordanians. *Journal of the Saudi Heart Association*, 32: 324-333. <https://doi.org/10.37616/2212-5043.1074>
6. Haddad N, Migdadi H, Al-Atiyat R, Jawasreh K, Awabdeh S, Obeidat W, AlOmari R, Aldamra M, Ababneh H, **Tabbaa MJ**, Brake M and Farooq M, 2020. Whole Genome Resequencing of Jordanian Awassi Rams (*Ovis aries*) Using Hiseq Sequencing Technology: The First Step Towards Sheep Genomic Selection. *Genetics and Molecular Research*, 19 (2): gmr18577. 1-14. DOI <http://dx.doi.org/10.4238/gmr18577>
7. **Tabbaa MJ**, Al-Atiyat R, and Abdullah BM 2019. Evaluate purebreeding and crossbreeding strategy for better carcass and non-carcass traits of Awassi, Chios

- and their reciprocal crossbred lambs. *Jordan J. of Agricultural Sciences*, 15(3):65-79.
8. **Tabbaa MJ**, Barakeh FS, and Baker MM 2019. Factors influencing farmers decision on breeding objectives and selection criteria for sheep breeds in Abu Dhabi Emirate, UAE. *Bulgarian Journal of Agricultural Science*, 25(1): 141–152.
 9. **Tabbaa MJ**, Barakeh FS, and Baker MM 2018. Production systems of small ruminants in Abu-Dhabi Emirate, UAE. *Journal of Experimental Biology and Agricultural Sciences*, 6(5): 816-827.
 10. Tabbaa MJ and Hassanin HH 2018. Factors influencing the morphological characteristics of village chickens' genetic resources in the Abu-Dhabi Emirate, UAE. *Open Journal of Animal Science*, 8, 87-103.
 11. Baker MM, Al-Sultan I, Bin Sabri J, Bin ziz A, Al-Juboori A, **Tabbaa MJ** and Al-Salam S 2017. Some epidemiological studies on toe tumor in the Arabian Camel (*Camelus dromedarius*). *Journal of Camelid Science*, 10: 23–34.
 12. Tabbaa MJ and Hassanin HH 2017. Production systems of village chickens in the Abu-Dhabi Emirate, UAE. *African Journal of Agricultural Research*, 12(40): 2986-2994.
 13. Baker MM, Al-Sultan I, Bin Sabri J, Bin ziz A, Al-Juboori A, **Tabbaa MJ** and Al-Salam S 2017. Hematologic and blood chemistry changes in toe tumors affecting Arabian camel (*Camelus dromedarius*). *Indian J. of Applied Research*, 7(8): 588-592.
 14. Baker MM, Al-Sultan I, Bin Sabri J, Bin ziz A, Al-Juboori A, **Tabbaa MJ** and Al-Salam S 2017. Histopathology outcomes associated with surgically amputated toe tumor in Arabian camel (*Camelus dromedarius*). *Indian J. of Applied Research*, 7(8): 603-607.
 15. Abdelqader A, Irshaid R, **Tabbaa MJ**, Abuajamieh M, Titi H and Al-Fataftah A 2017. Factors influencing Awassi lambs' survivorship under fields conditions. *Livestock Science*, 199: 1–6.
 16. Al-Atiyat RM, Al_Tamimie H, Salameh N and **Tabbaa MJ** 2015. Genetic diversity of different Jordan goat breeds using microsatellite markers. *The Journal of Animal & Plant Sciences*, 25(6): 1532-1539.
 17. Abdullah BM, Al-Atiyat RM and **Tabbaa MJ** 2015. The effects of different factors and heterosis on body dimensions of Awassi, Chios and their crossbred lambs. *Jordan J. of Agricultural Sciences*. 11(2):423-437.
 18. Al-Atiyat RM, Salameh N and **Tabbaa MJ** 2014. Analysis of genetic diversity and differentiation of sheep populations in Jordan. *Electronic Journal of Biotechnology*. 17: 168–173.
 19. Ayoub M, **Tabbaa MJ**, Alnimer MA and Ababneh MM 2013. Comparison of plasma testosterone, thyroid levels, and semen characteristics of local and cross of improved Awassi strains in Jordan. *Journal of Faculty of Veterinary Medicine, Istanbul University*. 39(1):103-112.
 20. Al-Atiyat RM, Salameh N and **Tabbaa MJ** 2012. Phylogeny and evolutionary analysis of goat breeds in Jordan based on DNA sequencing. *Pakistan Journal of Biological Sciences*. 15(17):850-853.

21. Al-Atiyat RM, **Tabbaa MJ**, Salameh N, Tarawneh KhA, Al-Shmayla L and Al_Tamimie H 2012. Analysis of genetic variation of fat tailed-sheep in southern region of Jordan. *Asian Journal of Animal and Veterinary Advances*. 7(5):376-389.
22. Titi HH, Hasan YL, Al-Ismael K, Zakaria H, **Tabbaa MJ**, Abdullah AY and Obeidat BS 2011. Response of Shami goats and kids to variable levels of soyabean or sunflower oils in *diet*. *Journal of Animal and Feed Sciences*. 20:493–508.
23. Abdullah BM and **Tabbaa MJ** 2011. Comparison of body weight and dimensions at birth and weaning among Awassi and Chios breeds and their crosses. *Jordan J. of Agricultural Sciences*. 7(4):656-666.
24. Alnimer MA, **Tabbaa MJ**, Ababneh MM and Lubbadah WF 2009. Applying variations of the Ovsynch protocol at the middle of the estrus cycle on reproductive performance of lactating dairy cows during summer and winter *Theriogenology* 72:731–740
25. Tabbaa MJ and Al-Atiyat RM 2009. Breeding objectives, selection criteria and factors influencing them for goat breeds in Jordan. *Small Ruminant Research*. 84:8-15.
26. Zakaria HA, **Tabbaa MJ**, Alshawabkeh K and Altaif K 2009. The effect of dietary sodium bicarbonate on performance and blood parameters of broiler chicks and local Balady breed inoculated with *Salmonella gallinarum*. *Journal of Animal and Feed Sciences*. 18:335-347.
27. **Tabbaa MJ**, Al-Nimer MA, Shboul M and Titi HH 2008. Reproductive characteristics of Awassi ewes mated artificially or naturally to Jordanian or Syrian Awassi rams. *Animal Reproduction*. 5:23-29.
28. Titi HH, M. Al-Nimer MA, **Tabbaa MJ** and Lubbadah WF 2008. Reproductive Performance of Seasonal Ewes and Goats Fed Dry Fat during Their Postpartum Period. *Livestock Science*. 115:34-41.
29. Kridli RT, **Tabbaa MJ** and Barakeh FS 2007. Seasonal variation in scrotal circumference and semen characteristics of Black Bedouin and Black Bedouin-Damascus crossbred bucks. *Asian-Australasian J. of Animal Sciences*. 20(3):359-364.
30. **Tabbaa MJ**, Al-Kateb ANMT and Alshawabkeh KM 2007. Effect of breed strain, diseases, environmental conditions and management on mortality in commercial egg type layers. *Jordan J. of Agricultural Sciences*. 3:52-65.
31. **Tabbaa MJ**, Kridli RT, Al-Ghalban A and Barakeh FS 2006 Age related changes in scrotal circumferences and some semen characteristics in Awassi rams. *Animal Reproduction*. 3(4):431-438.
32. **Tabbaa MJ**, Kridli RT, Amashe MG and Barakeh FS 2006. Factors affecting scrotal circumference and semen characteristics of Awassi rams. *Jordan J. of Agricultural Sciences* 2:243-250.
33. Abu-Zanat, MMW and **Tabbaa MJ** 2006. Effect of feeding *Atriplex* browse to lactating ewes on milk yield and growth rate of their lambs. *Small Ruminant Research* 64:152–161.
34. Kridli RT, **Tabbaa MJ**, Sawalha RM and Amasheh MG 2005. Comparative study of scrotal circumference and semen characteristics of Mountain Black goat and its

- crossbred with Damascus goat as affected by different factors. Jordan J. of Agricultural Sciences 1:18-25.
35. **Tabbaa MJ**, Alnimer, MA, Amasheh MG and Barakeh, F. 2005. Age, body weight and growth rates to the onset of puberty of Mountain Black, Damascus does kids and crossbreds as affected by season of birth and birth type. Dirasat 32(3):296-303.
 36. Alnimer MA, **Tabbaa MJ**, Amasheh MG and Alzyoud H 2005. Hormonal treatments and the ram effect on synchronized oestrus in Awassi ewes at the beginning of the breeding season. New Zealand J. of Agricultural Research 48:473–480.
 37. Abu-Zanat MMW, Miqdady HA and **Tabbaa MJ** 2005. Production systems of small ruminants in Middle Badia of Jordan. Dirasat 32:205-214.
 38. Zaitoun IS and **Tabbaa MJ** and Bdour S 2005. Differentiation of native goat breeds of Jordan on the basis of morphostructural characteristics. Small Ruminant Research 56:173-182.
 39. Abu-Zanat MMW and **Tabbaa MJ** 2004. Effect of drought on feed resources and performance of small ruminants in the northern Badia of Jordan. Dirasat 31:347-354.
 40. Zaitoun IS, **Tabbaa MJ** and Bdour S 2004 Body weight, milk production and lifetime twinning rate of the different goat breeds of Jordan. Dirasat 31(2):143-149.
 41. Titi HH and **Tabbaa MJ** 2004. Efficacy of exogenous cellulose on digestibility in lambs and growth of dairy calves Livestock Production Science. 87:207-214.
 42. Al-Ghalban AM, **Tabbaa MJ** and Kridli RT 2004. Factors affecting semen characteristics and scrotal circumference in Damascus bucks. Small Ruminant Research 53:141-149.
 43. Sawalha RM and **Tabbaa MJ** 2004. Genetic and some environmental factors affecting body weights and dimensions of growing Damascus kids in Jordan. Dirasat 31:74-87.
 44. **Tabbaa MJ** 2003. Some factors affecting different body and fat-tail dimensions of Awassi ewes in Jordan. Dirasat 30:280-284.
 45. **Tabbaa MJ** and Al-Atiyyat R M 2003. Correlations among some characteristics of lactation curve of Friesian cows raised under the conditions of the Jordan valley. Dirasat 30:143-148.
 46. Abdallah JM, McDaniel BT and **Tabbaa MJ** 2002. Relationships of productive life evaluations with changes in evaluations for yields. J. of Dairy Science **85:677-681**.
 47. Alshwabkeh K and **Tabbaa MJ** 2002. Using dietary propionic acid to limit *Salmonella gallinarum* colonization in broiler chicks. Asian-Australasian J. of Animal Sciences 15:243-246.
 48. Alshwabkeh K and **Tabbaa MJ** 2001. Comparative study on the resistance of three commercial strains and Balady (local) breed of chickens to infection with *Salmonella gallinarum*. Asian-Australasian J. of Animal Sciences 14:96-100.
 49. **Tabbaa MJ**, Al-Azzawi WA and Campbell D 2001. Variation in fleece characteristics of Awassi sheep at different ages. Small Ruminant Research 37:131-135.

50. Salman AZ and **Tabbaa MJ** 2000. Utilizing the linear programming technique to determine the components of feeding ration for ewes at different physiological stages using agricultural and industrial by-products in addition to traditional feedstuffs. *Dirasat* 27:269-282.
51. **Tabbaa MJ** and Alshwabkeh K 2000. Some factors affecting preslaughtering mortality and damage to broilers and interaction during transportation to processing plants. *Dirasat* 27:375-384.
52. Titi HH, **Tabbaa MJ**, Amasheh MG, Barakeh F and Dagamseh B 2000. Comparative performance of Awassi lambs and Black goat kids on different crude protein levels in Jordan. *Small Ruminant Research* 37:131-135.
53. Al-Atiyat RM, **Tabbaa MJ** and Lubbadah WF 1999. Some characteristics of lactation curve of Friesian cows in Jordan Valley and factors affecting them. *Dirasat* 26:50-64.
54. Al-Tarayrah JA and **Tabbaa MJ** 1999. Some factors affecting body weight and dimensions and its adjustment factors for Awassi lambs in Jordan. *Dirasat* 26:168-178.
55. **Tabbaa MJ** 1999. Effect of breed and sex on performance of lambs fed two levels of clay minerals in the fattening rations. *Dirasat* 26:377-386.
56. Abu-Zanat M, Usman A and **Tabbaa MJ** 1998. Seed bank assessment on heavily grazed Mediterranean grasslands in Jordan. *Dirasat* 25:195-202.
57. **Tabbaa MJ**, Al-Azzawi WA and Al-Barakeh FS 1998. Effect of age and sampling location on fleece and fiber characteristics of Awassi sheep. *Dirasat* 25:393-401.
58. **Tabbaa MJ** 1998. The effect of age and sex on body and fat-tail dimensions of Awassi sheep in Jordan. *Mutah J. for Research and Studies* 13:63-74.
59. Yousif AK, Abou-Eisheh MA, Humaid MA and **Al-Tabbaa MJ** 1998. Concentration of acidic whey and its functionality in French type bread. *International J. of Dairy Technology* 51:72-76.
60. Alshwabkeh K and **Tabbaa MJ** 1997. Factors affecting mortality and losses during transportation of broiler chickens from farms to processing plants in Jordan. *Dirasat* 24:53-61.
61. Dayeh RAA, Harb MY and **Tabbaa MJ** 1995. Effect of different feeding levels on the productive and reproductive performance of Shami (Damascus) goats in Jordan valley. *Dirasat* 24(2): 131-142.
62. El-Shakhret KJ, Harb MY, Abu-Zanat M and **Tabbaa MJ** 1995. Effect of different feeding levels on the productive and reproductive performance of Awassi sheep in Jordan valley. *Dirasat* 23:118-130.

CONFERENCE PUBLICATIONS:

63. Baker M, Al-Sultan II, Jasni S, Al-Juboori A, Suhail A, Abd Rahman A and **Tabbaa MJ** 2015. Toe tumor in Arabian camels (*Camelus dromedarius*): Prevalence and gross pathology. 4th ISOCARD conference Silk Road Camel: The Main Stakes for Sustainable Development in 8-12 June 2015 at Almaty - Kazakhstan.

64. Al-Juboori A, Zaher H, Baker M, **Tabbaa MJ** and Abdusalam B 2015. Uterine torsion in pregnant TERINE TORSION IN PREGNANT camels (*Camelus dromedarius*) with special references to caesarian section. 4th ISOCARD conference Silk Road Camel: The Main Stakes for Sustainable Development in 8-12 June 2015 at Almaty – Kazakhstan.
65. Al-Juboori A, Baker M, **Tabbaa MJ** and Al-Sultan I 2015. Prevalence, causes and risk factors of dystocia in Arabian camels (*Camelus dromedarius*) in the Emirate of Abu Dhabi, UAE. 4th ISOCARD conference Silk Road Camel: The Main Stakes for Sustainable Development in 8-12 June 2015 at Almaty - Kazakhstan.
66. Baker M, Al-Sultan I, Jasni S, Abd Rahman A, Al-Juboori A, **Tabbaa MJ**, Al-Salam S 2015. Toe tumor in Arabian camels (*Camelus dromedarius*): Implementing a database for hematology and serum biochemistry. XXII International congress of Mediterranean Federation for health and production of ruminants. June 17th-20th, 2015 – Department of veterinary medicine, Sassari – Italy.
67. Al-Atiyat RM, **Tabbaa MJ** 2009. Role of livestock in poverty alleviation and food security: A review Study. 4th scientific conference of Jordan Society for Scientific Research. 7 Nov. 2009. Amman – Jordan.
68. **Tabbaa MJ**, Al-Nimer MA and Shboul M 2007. Reproductive characteristics of Awassi ewes mated artificially or naturally to two Awassi ram strains. Proceedings of the 5th Agricultural Scientific Conference, 9 - 12 May 2005, Al-Balqa Applied University, Al-Salt – Jordan.
69. **Tabbaa MJ**, Zaitoun IS and Bdour S 2005. Using morphostructural characteristics for differentiation of native goat breeds of Jordan. Proceedings of the 5th Agricultural Scientific Conference, 9 - 12 May 2005, Al-Balqa Applied University, Al-Salt – Jordan.
70. Abdallah JM, McDaniel BT and **Tabbaa MJ** 2000. Relationships of PTA productive life of AI Holstein bulls with changes in yield traits from first to second lactation. J. Dairy Science 83 (Suppl. 1): 62 (Abstr).
71. Al-Atiyat RM and **Tabbaa MJ** 1999. Simple Correlation of Characteristics of Lactation Curve. Proceedings of the Third Agricultural Conference, 27-29 April 1999, University of Muta'a, Kerak–Jordan.
72. **Tabbaa MJ**, Amasheh M G and Barakeh FS 1997. Studying the Milk Production Performance of Awassi sheep and Environmental Factors affecting it under Jordan Conditions, Proceedings of the Second Agricultural Conference, 29-30 May 1997, Jordan University for Science and Technology, Irbid-Jordan.
73. **Tabbaa MJ**, Amasheh MG and Barakeh FS 1997. Studying Milk Production Performance of Awassi sheep and Environmental Factors affecting it under Jordan Conditions, Proceedings of the Second Agricultural Conference, 29-30 May 1997, Jordan University for Science and Technology, Irbid-Jordan.
74. **Tabbaa MJ**, Amasheh MG and Barakeh FS 1997. Studying Body weight at Birth and Weaning of Awassi sheep and Environmental Factors affecting it under Jordan Conditions, Proceedings of the Second Agricultural Conference, 29-30 May 1997, Jordan University for Science and Technology, Irbid-Jordan.

75. Awad MK, **Tabbaa MJ**, Amasheh MG and Barakeh FS 1997. Studying the Performance of Black (Local) Goat and Environmental Factors affecting it under Jordan Conditions, Proceedings of the Second Agricultural Conference, 29-30 May, 1997, Jordan University for Science and Technology, Irbid-Jordan.
76. **Tabbaa MJ**, McDaniel BT and Clay JS 1993. Factors affecting length of productive life of Holsteins in the southern United States. *J. Dairy Sci.* 76 (suppl. 1) p46.
77. **Tabbaa MJ** and McDaniel BT 1993. Relationship among measurements of productive life and milk yields of the first two lactations. *J. Dairy Sci.* 76 (suppl. 1) p47.
78. Wells KD; **Tabbaa MJ** and Petters, RM 1992. Supplementation of Murine embryo culture media with taurine or sorbitol. *Biol. Reprod.* (suppl. 1) p166.

ACADEMIC BOOKS (IN ARABIC):

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85. **Tabbaa MJ 2006.** Utilizing selection for genetic improvement of farm animals. *Farmers Voice* 5:9-10.
86. **Tabbaa MJ 2003.** Systems of genetic improvement of sheep in Jordan between reality and prospective. *J. of Veterinary Medicine* 18:45-50.
87. **Tabbaa MJ 2003.** The role of genetics in improving farm animals. *J. of Veterinary Medicine* 18:24-28.
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89. **Tabbaa MJ 1999.** Genetic improvement of farm animals using crossbreeding. *J. of Agriculture Engineer* 65:54-56.

90. Nabulsi H, Sheikh I, Kridli R, Harb M and **Tabbaa MJ** 1998. Sheep: Actual production and its development. J. of Agriculture Engineer 63:15-17.
91. **Tabbaa MJ** 1998. Inbreeding and its effect on genetic improvement, J. of Agriculture Engineer 62:40-43.
92. Nabulsi H, Elsheak I, Kridli R, **Tabbaa MJ** and Harb M 1998. The reality of sheep raising and methods of development. J. of Agriculture Engineer 62:63-66.
93. **Tabbaa MJ** 1996. Genetic improvement of ruminants. J. of Agriculture Engineer 57:48-54.

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94. **Tabbaa MJ** 2011. The impacts of climate change on livestock and vice versa to formulate adaptation strategies in Jordan. FAO in Rome, Italy.
95. **Tabbaa MJ** 2011. National strategies for implementing Global Plan of Action for the management of AnGR (GPA-AnGR) for Jordan. FAO in Rome, Italy.
96. **Tabbaa MJ** 2010. Country study for Syria: Role of livestock production in poverty reduction and food security. FAO in Rome, Italy.
97. **Tabbaa MJ** 2010. Country study for Lebanon: Role of livestock production in poverty reduction and food security. FAO in Rome, Italy.
98. **Tabbaa MJ** 2010. Country study for Palestine territories: Role of livestock production in poverty reduction and food security. FAO in Rome, Italy.
99. **Tabbaa MJ** and Galal S 2009. Proceedings of the Workshop on Milk Chain from Stable to Table in Countries of the Near East and North Africa Region, Amman, Jordan, 16 - 18 November 2008, FAO Regional Office for the Near East and the Faculty of Agriculture, University of Jordan, Amman, Jordan.
100. **Tabbaa MJ** 2008. Country study for Jordan: Role of livestock production in poverty reduction and food security. FAO in Rome, Italy.
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OTHER SCIENTIFIC ACTIVITIES:

102. Al-Katib Razan, Al-Sharaya'a Ahmad and **Tabbaa MJ** 1994. Developing computer program for calculating nutritional requirements of sheep with special reference to sheep in Jordan.

MEMBERSHIP:

1. Member in "Dirasat".
2. Member in the Legislation Committee at the Agricultural Engineering Association.
3. Member in the Executive Committee at the Jordanian Society for Desertification Control and Badia Development.

4. Member in the Projects Development Committee at the Jordanian Society for Desertification Control and Badia Development.
5. Member in the Scientific Committee at the Jordanian Society for Desertification Control and Badia Development
6. Member of the International Goat Association.

LANGUAGES:

1. **Arabic:** Mother Tongue.
2. **English:** Excellent

MJ Tabbaa

Date : October 12, 2021

Signature