

## Mohamed A. Abedal-Majed

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### ☒ **Education**

Ph.D. Animal Science (Reproductive Physiology-Biotechnology)

University of Nebraska-Lincoln; December, 2017/excellent. Advisor: Dr. Andrea S. Cupp

M.Sc. Animal Science (Reproductive Physiology)

University of Jordan / Animal Production Department-Amman; May, 2011/ Grade point Average (GPA) is (4.00 out of 4.00) merit (excellent) . Advisor: Dr. Mohammad Jihad Tabbaa; Co-advisor: Dr. Mufeed Awni Alnimer

B.Sc. Animal Science

University of Jordan / Animal Production Department-Amman; June, 2007/ Grade point Average (GPA) is (3.54 out of 4.00) merit (very good) (ranked the 1<sup>st</sup>).

### ☒ **Professional Experience:**

September, 2023 – present

**Vice Dean for Student Activities and Student Affairs/** Deanship of Student Affairs /The University of Jordan/ Amman-Jordan

September, 2021 – September, 2023

**Assistant Dean for Student's Affairs/School of Agriculture/The University of Jordan/Amman-Jordan**

June, 2023– present

**Associate professor** at the Department of Animal Production/School of Agriculture/The University of Jordan/Amman-Jordan

April, 2018-June, 2023

**Assistant professor** at the Department of Animal Production/School of Agriculture/The University of Jordan/Amman-Jordan

January, 2018-March, 2018

**Lecturer** at the Department of Animal Production/School of Agriculture/ The University of Jordan/Amman-Jordan

January, 2014-December, 2018

**Graduate Research Assistant** at the Department of Animal Science/Nebraska University/Lincoln, NE

October, 2008- December, 2013

**Graduate Research Assistant** at the Department of Animal Production/School of Agriculture/ The University of Jordan/Amman-Jordan

## ☒ Teaching Experience

		Seminar in Animal Production (602491)	Research Skills & Learning (3400101)	Entrepreneurship Innovation	Field Training in Animal Production (602499)	Principles of Animal Production (602101)	Reproduction and Artificial Insemination (602451)/ Reproductive Physiology and Assistive Technologies (602455)	Physiology (6033302)/ Physiology & Anatomy (0603203)	Physiology of Farm Animal (602256)	Biotechnology in Animal Production (0602793)
2017 /2018	Spring	10 students								
	Summer	11 students	80 students							
2018 /2019	Fall		80 students		78 students	32 students				
	Spring		80 students				19 students	19 students		
	Summer		162 students					35 students		
2019 /2020	Fall		91 students		89 students					
	Spring		101 students		119 students		22 students	14 students		
	Summer		500 students			26 students				
2020 /2021	Fall	5 students	152 students		85 students			43 students		
	Spring	5 students	120 students		110 students		34 students	58 students		
	Summer	7 students	125 students		65 Students					
2021 /2022	Fall	5 students	120 students						33 students	
	Spring	5 students	125 students					43 students		
	Summer				116 students	34 students		35 students		
2022 /2023	Fall			67 students			24 students	21 students		
	Spring	10 students		72 students				18 students		
	Summer			140 students				40 students		
2023 /2024	Fall			67 students				32 students		
	Spring							50 students		7 students
	Summer			67 students		31 students		32 students		
2024 /2025	Fall							49 students	32 students	
	Spring						25 students	35 students		
	Summer			67 students		34 students		31 students		
2025/ 2026	Fall					50 students		55 students	30 Students	

### Teaching Assistant (TA) at the University of Nebraska-Lincoln for the following courses:

- 1- Physiology of Animal Cells and Tissues (ASCI443/843)/Spring 2017 (approx. 15 students)
- 2- Endocrinology (ASCI442/842)/Fall 2017 (approx. 20-30 students)

### Teaching Assistant (TA) at the University of Jordan for the following courses:

- 1- Animal Health (0602231) (approx. 20-30 students)
- 2- Poultry Diseases and Parasites (0602332) (approx. 20-30 students)
- 3- Physiology of Farm Animals (0602256) (approx. 15 students)
- 4- Genetic Improvement of Farm Animals (0602361) (approx. 20-30 students)
- 5- Feed Analysis (0602483)
- 6- Field Training in Animal Production (0602499)

## ☒ Research Interests

1. Effects of vascular development on follicle progression and ovulation in Animals.
2. Effect of nutrition/feed additive on productive and reproductive functions in Animals.
3. Effects of hormones and environment on follicle progression and ovulation in Animals.
4. Effect of environmental factors on reproductive function in Animals.
5. To understand how different steroidogenic enzymes that are expressed in theca, granulosa, and corpus luteum affects ovarian folliculogenesis to improve our ability to manipulate ovulation.

## ☒ Reviewer For Scientific Journals

- Livestock Science
- Animal Reproduction
- Animal Frontiers
- Journal of Animal Science
- Tropical Animal Health and Production.

## ☒ Peer Reviewed Publications

1. **Mohamed A. Abedal-Majed**, Mohammad Abuajamieh, Hosam H. Titi, Mufeed A. Alnimer, Mohammad Al-Qaisi, Anas Abdelqader, Osama A. Saeed, Rabie Irshaid, Ahmad I. Shamoun, and Andrea, S. Cupp. (2025) Supplementing Organic Zinc Enhances Growth and Blood Parameters to Preserve Ovarian Function via Resolution of Fibrosis in Heat-Stressed Awassi Lambs. Journal of Animal Science. (**Submitted**).
2. Anas Abdelqader., Zeinab M.H. Mahasneh., Veerle Van Hoeck., Mohammad Abuajamieh., **Mohamed Abedal-Majed.**, Mohammad Al-Qaisi., Rabie Irshaid., Ja'far Al-Khaza'leh. (2025) Exogenous enzymes unlock prebiotic potential of *Ulva lactuca*: Boosting gut health and growth performance in broilers. Poultry Science. 104 (11): 1-9. <https://doi.org/10.1016/j.psj.2025.105834>. (**ISI, Q1**).
3. Rahaf Istiteh., Mohammad Abuajamieh., Mohammad Al-Qaisi., **Mohamed A. Abedal-Majed** , and Anas Abdelqader. (2025) Impact of probiotic-supplemented water on the performance and physiological responses of broilers under normal and heat stress conditions. Veterinary World. 18(4):1059-1069. <https://doi.org/10.14202/vetworld.2025.1059-1069>. (**ISI, Q1**).
4. Mohammad Abuajamieh., Mohammad Al-Qaisi., Zeinab M.H. Mahasneh., Rahaf Istiteh., **Mohamed A. Abedal-Majed.**, Anas Abdelqader., Abdur-Rahman Al-Fataftah. (2025) Effects of  $\beta$ -glucan on the performance and gut integrity of broilers under acute heat stress conditions. Poultry Science. 104 (6): 1-8. <https://doi.org/10.1016/j.psj.2025.105065>. (**ISI, Q1**).
5. Mufeed A. Alnimer., **Mohamed A. Abedal-Majed.**, Mohammad Al-Qaisi., and Ahmad I. Shamoun. (2024). Effect of circulating prolactin, lactation days, and seasonal variations on first artificial insemination pregnancy rates using the PG7G protocol in dairy cows. Veterinary World. 18 (1): 40-51. <https://doi.org/10.14202/vetworld.2025.40-51>. (**ISI, Q1**).
6. Saeed, O. A., N. K. Ahmed., M. M. Taha., **M. A. Abedal-Majed.**, F. M. Ali., & A. A. Samsudin. (2024). Reproductive Performance and Physiological Responses in Awassi Ewes Under Intravaginal Sponges Application and Fed Selenium and Vitamin E. Tropical Animal Science Journal. 47(3):265-272. <http://dx.doi.org/10.5398/tasj.2024.47.3.265>. (**ISI, Q2**).
7. Zeinab M. H. Mahasneh., Mohammad Abuajamieh., Anas Abdelqader., Mohammad Al-Qaisi., **Mohamed A. Abedal-Majed.**, Hosam Al-Tamimi., Hana Zakaria., Abdur-Rahman A. Al-Fataftah. (2024). The effects of *Artemisia Sieberi*, *Achillea Fragrantissima*, and *Olea Europaea* leaves on the performance and physiological parameters in heat-stressed broiler chickens. Frontiers in Veterinary Science. 11: 1-14. (**ISI, Q1**). <http://dx.doi.org/10.3389/fvets.2024.1410580>.

8. Zeinab M.H. Mahasneh, Mohammad Abuajamieh, **Mohamed A. Abedal-Majed**, Mohammad Al-Qaisi, Anas Abdelqader, Abdur-Rahman A. Al-Fataftah. 2024 . Effects of medical plants on alleviating the effects of heat stress on chickens. *Poultry Science*. 13: (1-14) <https://doi.org/10.1016/j.psj.2023.103391>. **(ISI, Q1)**.
9. Alexandria P Snider, Renata S Gomes, Adam F Summers, Sarah C Tenley, **Mohamed A Abedal-Majed**, Renee M McFee, Jennifer R Wood, John S Davis, Andrea S Cupp. 2023. Identification of Lipids and Cytokines in Plasma and Follicular Fluid before and after Follicle-Stimulating Hormone Stimulation as Potential Markers for Follicular Maturation in Cattle. *Animals*. 13 (20): 1-18. [DOI: 10.3390/ani13203289](https://doi.org/10.3390/ani13203289). **(ISI, Q1)**.
10. Mohammad Al-Qaisi, Anas Abdelqader, Mohammad Abuajamieh, **Mohamed A Abedal-Majed**, Abdur-Rahman A Al-Fataftah. 2023. Impacts of dietary betaine on rectal temperature, laying performance, metabolism, intestinal morphology, and follicular development in heat-exposed laying hens. *Journal of Thermal Biology*. 117: 1-10. [DOI: 10.1016/j.jtherbio.2023.103714](https://doi.org/10.1016/j.jtherbio.2023.103714). **(ISI, Q1)**.
11. **Mohamed A. Abedal-Majed**, Mohammad Abuajamieh, Mohammad Al-Qaisi, Kevin M. Sargent, Hosam Hani Titi, Mufeed Awni 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. <https://doi.org/10.1093/jas/skad082> **(ISI, Q1)**.
12. **Mohamed A. Abedal-Majed**, Hosam Hani Titi, Mohammad Al-Qaisi, Mohammad Abuajamieh, Mufeed Awni Alnimer, Anas Abdelqader. **2023**. The effects of rumen protected methionine supplementation on the performance of primiparous dairy cows using the Presynch-Ovsynch protocol. *Animal Science Journal*. 94 (1):1-13. <https://doi.org/10.1111/asj.13835> **(ISI, Q2)**.
13. Anas Abdelqader, Mohammad Abuajamieh, **Mohamed A. Abedal-Majed**, Mohammad Al-Qaisi, Abdur-Rahman A. Al-Fataftah. **2023**. Suppression of inflammatory responses in heat-stressed broiler chickens by bovine casein. *Journal of Thermal Biology*. 113 (2). <https://doi.org/10.1016/j.jtherbio.2023.103536>. **(ISI, Q1)**.
14. Mohammad Al-Qaisi, **Mohamed A. Abedal-Majed**, Mohammad 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. [www.doi.org/10.14202/vetworld.2022.1657-1664](https://doi.org/10.14202/vetworld.2022.1657-1664) **(ISI, Q1)**
15. **Mohamed A Abedal-Majed**, Shelby A Springman, Hanan D Jafar, Brooke E Bell , Scott G Kurz, Kyle E Wilson, Andrea S Cupp. **2022**. Naturally occurring androgen excess cows are present in dairy and beef herds and have similar characteristics to women with PCOS. *J Anim Sci*. 100: 1-12. <https://doi.org/10.1093/jas/skac151> **(ISI, Q1)**
16. 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. <https://doi.org/10.1080/1828051X.2022.2048973> **(ISI, Q1)**

17. **Mohamed A. Abedal-Majed**, Shelby A. Springman, Courtney M. Sutton, Alexandria P. Snider, Brook E. Bell, Mariah L. Hart, Scott G. Kurz, Jeffrey Bergman, Adam F. Summers, Renee M. McFee, John S Davis, Jennifer R Wood and Andrea S Cupp. **2022**. VEGFA165 can rescue excess steroid secretion, inflammatory markers, and follicle arrest in the ovarian cortex of High A4 cows. **Biol Reprod.** 106 (1): 118-131. <https://doi.org/10.1093/biolre/ioab201> **(ISI, Q1)**
18. Nafziger SR, Tenley SC, Summers AF, **Abedal-Majed MA**, Hart M, Bergman JW, Kurz SG, Davis JS, Wood JR, Cupp AS. **2021**. Attainment and Maintenance of Pubertal Cyclicity May Predict Reproductive Longevity in Beef Heifers. **Biol Reprod.** 104 (6): 1360-1372. <https://doi.org/10.1093/biolre/ioab044> **(ISI, Q1)**
19. Courtney M. Sutton, Shelby A. Springman, **Mohamed A. Abedal-Majed** and Andrea S. Cupp. **2021**. Bovine Ovarian Cortex Tissue Culture. **Journal of Visualized Experiment.** 167: 1-19. [DOI: 10.3791/61668](https://doi.org/10.3791/61668) **(ISI, Q3)**
20. Hayajneh, F.M.F., 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(1): 97–107. [DOI: 10.24425/pjvs.2020.132753](https://doi.org/10.24425/pjvs.2020.132753) **(ISI, Q2)**
21. **Mohamed A. Abdel-Majed**, Sarah, John S Davis and Andrea S Cupp. **2019**. Perturbations in Lineage Specification of Granulosa and Theca Cells May Alter Corpus Luteum Formation and Function. **Frontiers in Endocrinology.** 10:1-16. [DOI: 10.3389/fendo.2019.00832](https://doi.org/10.3389/fendo.2019.00832) **(ISI, Q2)**
22. **Mohamed A. Abedal-Majed**, Scott G. Kurz, Shelby A. Springman, Anthony K. McNeel, Harvey C. Freetly, Valerie Largen, Manjula Magamage, Kevin M. Sargent, Jennifer R. Wood, Robert A Cushman, Andrea S. Cupp. **2019**. Vascular Endothelial Growth Factor A isoforms modulate follicle fate independent of diet through diverse signal transduction pathways. **Biology of Reproduction.** 5: 1-13. [DOI 10.1093/biolre/ioz211](https://doi.org/10.1093/biolre/ioz211) **(ISI, Q1)**
23. **Mohamed A. Abedal-Majed** and Andrea S Cupp. **2019**. Livestock animals to study infertility in women. **Animal Frontiers.** 9(3): 28-33. [DOI: 10.1093/af/vfz017](https://doi.org/10.1093/af/vfz017) **(ISI, Q1)**
24. Mufeed A. Alnimer, **Mohamed A. Abedal-Majed**, and Ahmad I. Shamoun. **2019**. Effect Of Two Prostaglandin Injections On Day 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 (1): 161-170. [DOI: 10.5194/aab-62-161-2019](https://doi.org/10.5194/aab-62-161-2019) **(ISI, Q2)**
25. **Mohamed A. Abedal-Majed**, 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. **(ISI, Q2)**

## ☒ Grants

<u>Title</u>	<u>People</u>	<u>Grantor</u>	<u>Period</u>	<u>Amount (JD)</u>
Role of Probiotics and Prebiotics in intestinal microflora balance of laying hens raised in extended laying cycles and its impact on performance	Anas Abdelqader Abdur-Rhaman Al-Fataftah Mohannad Abuajamieh Mohammad Al-Qaisi <b>Mohamed A. Abedal-Majed</b>	JU Dean of Scientific Research	19/5/2022 to 18-5-2024	20000
Effect of organic zinc on the sheep ovarian follicular development <i>in vivo</i> and <i>in vitro</i>	<b>Mohamed A. Abedal-Majed</b>	the National Center for Research and Development	26/4/2022 to 26/4/2024	15000
Effects of beta glucan on the performance and health of poultry under thermos-neutral and heat stressed conditions	Mohannad Abuajamieh Anas Abdelqader Abdur-Rhaman Al-Fataftah <b>Mohamed A. Abedal-Majed</b> Mohammad Al-Qaisi	Scientific Research Support Fund/MOHE	5/12/2021 to 5/12/2024	51000
Effects of dietary betaine supplementation on performance, inflammatory biomarkers, and intestinal integrity during feed restriction in sheep	Mohammad Al-Qaisi Mohannad Abuajamieh Anas Abdelqader Abdur-Rhaman Al-Fataftah Hosam H. Titi <b>Mohamed A. Abedal-Majed</b>	JU Dean of Scientific Research	5/11/2020 to 5/11/2022	20000
Effect of organic zinc on the ovine performance, gut integrity and ovarian follicular development <i>in vivo</i> and <i>in vitro</i>	<b>Mohamed A. Abedal-Majed</b> Mohannad Abuajamieh Hosam H. Titi Mufeed A. Alnimer Anas Abdelqader Mohammad Alqaisi	JU Dean of Scientific Research	26/12/2019 to 26/12/2023	20000
Effect of different energy levels post-weaning on ovine intestinal health and ovarian follicular development <i>in vivo</i> and <i>in vitro</i>	<b>Mohamed A. Abedal-Majed</b> Mufeed A. Alnimer Hosam H. Titi Mohannad Abuajamieh	JU Dean of Scientific Research	29/11/2018 to 29/5/2023	20000
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 <b>Mohamed A. Abedal-Majed</b> Ahmad I. Shamoun	JU Dean of Scientific Research	30/5/2018 to 30/1/2023	12000

## **Awards and Honors**

1. Excellent teaching award for Physiology course. University of Jordan. July 2020
2. Trainee Poster Award Presentation. The 14th Annual Gilbert S Greenwald Symposium on Reproduction and Regenerative Medicine in Kansas City Oct. 19-20, 2017.
3. Trainee Travel Award (\$160) to attend the 14th Annual Gilbert S. Greenwald Symposium on Reproduction and Regenerative Medicine in Kansas City Oct. 19-20, 2017.
4. Trainee Travel Award (\$140) to attend the 13th Annual Gilbert S. Greenwald Symposium on Reproduction and Regenerative Medicine in Kansas City Sept. 22-23, 2016.
5. Beadle Center, Center for Biotechnology/ UNL. The Milton E. Mohr Fellowship Award (\$1000). 2016-2017.
6. Larry Ewing Memorial Trainee Travel Fund award (\$120). Society for the Study of Reproduction (SSR) Annual Meeting; San Diego, CA 2016.
7. Whitmore Memorial Travel Fellowship (\$500). UNL, Department of Animal Science; 2015.
8. Larry Ewing Memorial Trainee Travel Fund award (\$200). SSR; San Juan, Puerto Rico, 2015.
9. Scholarship from the University of Jordan to complete the Ph.D. degree at the University of Nebraska-Lincoln, 2014-2018.
10. Scholarship from the University of Jordan to complete the M.Sc. degree at the University of Jordan-Amman, 2008-2011.

## **✕ Platform Presentations**

1. **Mohamed A. Abedal-Majed**. High A4 Cow Ovarian Cortex Secretes Excess A4, Increased Primordial Follicles And Greater Response To VEGFA Isoforms. MMOD Work in Progress – Feb 2017
2. **Mohamed A. Abedal-Majed**, Manjula Magamage, Rebecca Vinton, Scott Kurz, Anthony K. McNeel, Harvey C. Freetly, Robert A Cushman, Jennifer R. Wood, Andrea S. Cupp. Effect of diet on ability of Vascular Endothelial Growth Factor A (VEGFA) isoforms to alter follicular progression in bovine ovarian cortical cultures. Beef Group meeting ARDC. May 10-11, 2016.
3. **Mohamed A. Abedal-Majed**, Manjula Magamage, Rebecca Vinton, Scott Kurz, Anthony K. McNeel, Harvey C. Freetly, Robert A Cushman, Jennifer R. Wood, Andrea S. Cupp. Effect of diet on ability of Vascular Endothelial Growth Factor A (VEGFA) isoforms to alter follicular progression in bovine ovarian cortical cultures. Rocky Mountain Reproductive Sciences Symposium. 9th Annual Rocky Mountain Reproductive Sciences Symposium, April 22, 2016. Loveland, CO.

## **✕ Abstracts and Scientific Meetings**

1. **Mohamed A. Abedal-Majed**, Mohannad Abuajamieh, Mohmmad Al-Qaisi, Mufeed A. Alnimer, Kevin M. Sargent, Hosam H. Titi, Anas Abdelqader, Ahmad I. Shamoun, Andrea, S. Cupp. Ewes with androgen excess in follicular fluid have increased steroidogenic and inflammatory markers and follicular arrest. The 55th Annual Meeting of the Society for the Study of Reproduction. July 26-29, 2022 in Spokane, Washington.
2. **Mohamed A. Abedal-Majed**, Shelby A. Springman, Hanan Jafar, Brooke Bell, Scott G. Kurz, Kyle Wilson, and Andrea S. Cupp. High A4 Females Are Present in Other Herds and have Naturally Occurring Androgen Excess Similar to Women Diagnosed with Polycystic Ovary Syndrome. The 54th Annual Meeting of the Society for the Study of Reproduction. December 15-18, 2021 in St. Louis, MO. (ID 3234).
3. Alexandria P. Snider, Renata S. Gomes, Adam F. Summers, **Mohamed A. Abedal-Majed**, Sarah C. Tenley, Renee M. McFee, Jennifer R. Wood, John S. Davis, Andrea S. Cupp. Lipids Involved In Pro And Anti-Inflammatory Responses Are Altered In Follicular Fluid And

Plasma Of Cows Administered A Low Dose FSH Treatment And May Be Used As Markers Of Ovulation In Beef Cows. The 53th Annual Meeting of the Society for the Study of Reproduction. July 8-12, 2020.

4. Jessica Keane, Sarah Nafziger, **Mohamed Abedal-Majed**, Sarah Tenley, Mariah Hart, Jeff Bergman, Scott Kurz, Jennifer Wood, Adam Summers, Andrea Cupp. Early Reduced Growth Rates Predict Delayed or Altered Puberty and May Adversely Affect Reproductive Longevity in Beef Heifers. The 52th Annual Meeting of the Society for the Study of Reproduction. July 18-21, 2019 | San Jose McEnery Convention Center.
5. Shelby Springman, Sarah Nafziger, **Mohamed Abdel-Majed**, Alex Snider, Kerri Bochantin, Jeff Bergman, Renee McFee, John Davis, Jennifer Wood, Andrea Cupp. Follicle Stimulating Hormone Stimulation Restores Ovarian Microenvironment of Beef Heifers with Androgen Excess to Reduce Inflammation. The 52th Annual Meeting of the Society for the Study of Reproduction. July 18-21, 2019 | San Jose McEnery Convention Center.
6. Sarah Nafziger, **Mohamed A. Abedal-Majed**, Sarah Tenley, Adam Summers, Mariah L. Hart, Gavin Harsh, Jeff Bergman, Scott G. Kurz, Jennifer R Wood, Robert A Cushman, and Andrea S Cupp. Endocrine Profiles During Attainment of Puberty may Predict Reproductive Lonevity in Heifers. The *50th Annual Meeting of the Society for the Study of Reproduction* 13–16 July 2017 Washington D.C. USA. (ID # 281).
7. R. Spuri Gomes, S. C. Tenley, S. Romereim, **M. A. Abedal-Majed**, A. F. Summers, S. Kurz, J. Bergman, R. M. McFee, J.C. Gomes Neto, R. A. Cushman, J. S. Davis, J. R. Wood, A. S. Cupp. Cows with Follicular Fluid Androgen Excess Exhibit Anovulation and Have Altered Circulating Sex Hormone Binding Globulin, Gonadotropin Secretion and Plasma and Follicular Fluid Composition.
8. Sarah Romereim, Sarah Tenley, **Mohamed A. Abedal-Majed**, Jeffrey Bergman, Scott Kurz, John S. Davis, Jennifer R. Wood, Andrea S. Cupp. Aromatase Inhibition during Bovine Dominant Follicle Development Delays Ovulation But Does Not Create a Persistent Follicle. The 13<sup>th</sup> Annual Gilbert S. Greenwald Symposium on Reproduction and Regenerative Medicine. 22–23 September 2016. Kansas City, Kansas, USA.
9. **Mohamed A. Abedal-Majed**, Manjula Magamage, Rebecca Vinton, Scott Kurz, Anthony K. McNeel, Harvey C. Freetly, Robert A Cushman, Jennifer R. Wood, Andrea S. Cupp. Effect of diet on ability of Vascular Endothelial Growth Factor A (VEGFA) isoforms to alter follicular progression in bovine ovarian cortical cultures. 13th Annual Gilbert S. Greenwald Symposium on Reproduction and Regenerative Medicine. 22–23 September 2016. Kansas City, Kansas, USA.
10. Robert A. Cushman, Émerson M. Soares, **Mohamed A. Abedal-Majed**, Andrea S. Cupp, George A. Perry, Harvey C. Freetly. Fetal and postnatal nutritional programming of reproductive performance in ruminants. *Journal of Animal Science* 94 (supplement2):151 January 2016.
11. **Mohamed A. Abedal-Majed**, Manjula Magamage, Rebecca Vinton, Scott Kurz, Anthony K. McNeel, Harvey C. Freetly, Robert A Cushman, Jennifer R. Wood, Andrea S. Cupp. Effect of diet on ability of Vascular Endothelial Growth Factor A (VEGFA) isoforms to alter follicular progression in bovine ovarian cortical cultures. The *49th Annual Meeting of the Society for the Study of Reproduction* 16–20 July 2016 San Diego, California, USA. (ID # 336).
12. Sarah Tenley, Adam Summers, Renata Spuri-Gomes, **Mohamed A. Abedal-Majed**, Jeff Bergman, Scott Kurz, Jennifer Wood, Robert Cushman, Andrea S Cupp. A portion of heifers attaining “Early Puberty” do not display estrus, are anovulatory and have altered sex hormone binding globulin concentrations. The 49th Annual Meeting of the Society for the Study of Reproduction 16–20 July 2016 San Diego, California, USA. (ID # 318).



13. Sarah Tenley, Renata Spuri-Gomes, **Mohamed A. Abedal-Majed**, Jeff Bergman, Scott Kurz, Jennifer Wood, Robert Cushman, Andrea S Cupp. A Portion of Heifers Attaining “Early Puberty” do not display estrus, are anovulatory and have reduced Sex Hormone Binding Globulin concentrations. 12th Annual Gilbert S. Greenwald Symposium on Reproduction and Regenerative Medicine. 22–23 October 2015. Kansas City, Kansas, USA.
14. Renata Spuri-Gomes, Sarah C Tenley, **Mohamed A Abedal-majed**, Scott G. Kurz, Jeff Bergman, Jennifer R. Wood, Andrea S. Cupp. Cows with Intrafollicular Androgen Excess have Lower Sex Hormone Binding Globulin and appear to be Chronic or Sporadic Anovulatory. SSR 2015 (ID #629).

#### **☒ SUPERVESION OF GRADUATE STUDENTS**

1. Esraa Sameer Abid Aldaim. MSc. In Animal Production (December 2020) (Co-supervisor). Effect of colostrum milk powder on intestinal health of coccidian challenged broiler chickens
2. Nouh Ishak AbdelRahim AbuFara. MSc. In Animal Production (August 2022) (Co-supervisor). Effect of dietary rumen- protected choline on productive and reproductive performance of primiparous dairy cows.
3. Leen Almahrouq. MSc. In Animal Production (in preparation) (Co-supervisor). Effect of dietary rumen- protected choline on the ovine productive and reproductive performance.

#### **☒ GRADUATE THESIS DEFENSE EXAMINER**

1. Bothaine Ahmad Al-Khawaldeh. MSc in Animal Production. 2020. The University of Jordan. Supervised by Dr. Anas Abdelqade
2. Azzam Knaian Mohammad Aljamaeen MSc in Animal Production. 2022. The University of Jordan. Supervised by Dr. Mohammad Jihad Tabbaa
3. Walaa Alyounes. PhD in Animal Production. December 2023. The University of Jordan. Supervised by Dr. Anas Abdelqader and Dr. Mohannad Abuajamieh Efficacy of Probiotics and Essential Oils as Alternatives to Antibiotics in Necrotic Enteritis Infected Broiler Chickens.
4. Mohammed Alfaqieh. PhD in Animal Production. December 2023. The University of Jordan. Supervised by Dr Anas Abdelqader. Efficacy of Bentonite Nanoparticles Against Necrotic Enteritis in Broiler Chickens.
5. Zeinab Mahasneh. PhD in Animal Production. January 2024. The University of Jordan. Supervised by Dr. Abdur-Rhaman Al-Fataftah and Dr. Mohannad Abuajamieh. Using indigenous medical plants as feed additives to alleviate the adverse effects of heat stress on broiler chickens physiology and performance
6. Ayah Alhessah. MSc in Animal Production. January 2024. The University of Jordan. Supervised by Dr. Abdur-Rhaman Al-Fataftah and Dr. Anas Abdelqader. Effect of Probiotics on the Genes Expression Associated with Integrity of Intestinal Epithelial Barrier in Broiler Chickens Exposed to Heat Stress

#### **☒ Professional Membership**

- Society for the Study of Reproduction (2015 –Present)
- Jordanian Agricultural Engineering Association (2008-Present)
- Gamma Sigma Delta, University of Nebraska (2016-present)

#### **☒ Language**

Arabic (Mother tongue)

English (Excellent in reading, writing, and speaking)