



KARIM KHALIL

Assistant Professor

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Medicine, College of Applied
and Health Sciences (CAHS),
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Experienced Assistant Professor with a Ph.D. in Veterinary Anatomy and Embryology. 6 years of teaching experience at the college level. My expertise lies in:

- **Veterinary Anatomy:** In-depth knowledge of gross and clinical anatomy of domestic and exotic animals, with a passion for translating complex concepts into clear and understandable explanations for students and vets.
- **Veterinary Physiology:** Strong understanding of physiological principles and their application to animal health and disease, adept at using interactive learning strategies to enhance student engagement.
- **Veterinary Histology:** Skilled in histological techniques and interpretation, able to effectively train students in tissue preparation, identification, and analysis.
- **Embryology:** Extensive knowledge of animal development from fertilization to birth, proficient in utilizing various teaching tools to demystify this fascinating subject for students.

Beyond teaching, I am an active **researcher** with a proven track record of:

- Publishing articles in peer-reviewed journals.
- Presenting research findings at national and international conferences.
- Securing and managing research grants.
- Collaborating with colleagues on interdisciplinary projects.

Sincerely,

Karim Khalil

• Date of birth	2nd January 1988	• Residency	Sultanate of Oman
• Place of birth	Kalyubiya, Egypt	• Civil Number	117053987
• Nationality	Egyptian	• Passport No.	A26673971

PROFESSIONAL EXPERIENCE

- Present Position - January 2021 – to date	Assistant Professor of Veterinary Anatomy – College of Applied & Health Sciences - A'Sharqiyah University. Sultanate of Oman. www.asu.edu.om
January 2023 - to date	Assistant Professor of Anatomy and Embryology – Faculty of Veterinary Medicine – Cairo University. Egypt. www.vet.cu.edu.eg
December 2017 – January 2023	Lecturer of Anatomy and Embryology – Faculty of Veterinary Medicine – Cairo University. Egypt.
December 2013 – December 2017	Assistant lecturer of Anatomy and Embryology – Faculty of Veterinary Medicine – Cairo University. Egypt.
March 2011- December 2013	Demonstrator of Anatomy and Embryology – Faculty of Veterinary Medicine – Cairo University. Egypt.
October 2019 – to date	Certified International Professional Trainer at Faculty and Leadership Development Centre, Cairo University. Egypt. http://fildc.cu.edu.eg/

EDUCATION and DEGREES

2014 – 2017	<p>Doctorate (PhD) degree in Veterinary Medical Sciences "<i>Anatomy and Embryology</i> "</p> <p>Got from "Faculty of Veterinary Medicine - Cairo University, Egypt."</p> <p>Title of Thesis: "Regulation of Muscle Mass Growth in Transgenic Vertebrates".</p> <p>The PhD project was supported via scholarship (<i>Joint supervision</i>) for 2 years in Auburn University, Alabama, USA. The PhD project was funded from Culture Affairs and Mission Sector, Ministry of Higher Education, Government of Egypt.</p> <p>Joint Supervisor: Prof. Medhat El- Ayat & Prof. Rex Dunham</p>
2011 – 2013	<p>Master's degree in Veterinary Medical Sciences "<i>Anatomy and Embryology</i> "</p> <p>Got from "Faculty of Veterinary Medicine - Cairo University, Egypt."</p> <p>Title of Thesis: "Comparative anatomical studies on the vascular architecture of the blood vessels of the testis of some farm animals".</p> <p>Supervisor: Prof. Medhat El- Ayat.</p>
2005 – 2010	<p>Bachelor's degree in Veterinary Medical Sciences from "Faculty of Veterinary Medicine - Cairo University, Egypt". Overall Grade: Very Good.</p>
Spring 2019	<p>CIPT Certified International Professional Trainer. A professional course of study. Authorized by International Leadership Training Centre at Missouri State University, USA. Provided by "Faculty and Leadership Development Centre, FLDC, Cairo University, Egypt"</p>



ACADEMIC TEACHING and STUDENT ADVISING

I - Course Co-ordination and Curriculum Development

- A. The veterinary program at A'Sharqiyah University was recently established (Academic year 2019/2020). All veterinary courses taught in the Department of Veterinary Medicine at CAHS were developed from scratch and underwent a development process during the past two academic years, 2022 and 2023. I currently serve as a coordinator for the following courses in the Bachelor of Veterinary Medicine program at [A'Sharqiyah University](#).

Spring 2021 - to date

- VTMD101 Veterinary Anatomy I (3 Credit Hours)
- VTMD181 Veterinary Anatomy I Lab (1 Credit Hours)
- VTMD112 Veterinary Physiology I (3 Credit Hours)
- VTMD192 Veterinary Physiology I Lab (1 Credit Hours)
- VTMD211 Veterinary Anatomy II (3 Credit Hours)
- VTMD281 Veterinary Anatomy II Lab (1 Credit Hours)
- VTMD212 Veterinary Physiology II (3 Credit Hours)
- VTMD282 Veterinary Physiology II Lab (1 Credit Hours)
- VTMD222 Veterinary Histology & Embryology (2 Credit Hours)
- VTMD292 Veterinary Histology & Embryology Lab (1 Credit Hours)

- B. Since 2020, I have been training faculties and researchers on "International publishing of scientific research (15 hours [online Course](#))". This training program is Provided by "Faculty and Leadership Development Centre" [FLDC, Cairo University, Egypt](#).

II - Taught Courses

- A. Faculty of Veterinary Medicine – [Cairo University](#). *Egypt*.

Spring 2018 – Fall 2020

- ANE114 Veterinary Anatomy I and General Embryology.
- ANE124 Veterinary Anatomy II.
- ANE214 Veterinary Anatomy III and Special Embryology.
- ANE205 Comparative Anatomy.
- ANE216 Anatomy of Pet Animal.
- Elective 2 Applied Anatomy.
- Practical sessions of Anatomy courses for the graduate students.

B. College of Applied & Health Sciences - A' Sharqiyah University. Sultanate of Oman

<p>Spring 2021</p> <ul style="list-style-type: none"> • MSAF302 Fisheries Management • MSAF311 Aquaculture • VTMD101 Veterinary Anatomy I • VTMD181 Veterinary Anatomy I Lab • VTMD112 Veterinary Physiology I • VTMD192 Veterinary Physiology I Lab 	<p>Summer 2021</p> <ul style="list-style-type: none"> • MSAF311L Aquaculture Lab • MSAF470 Internship • VTMD112 Veterinary Physiology I • VTMD192 Veterinary Physiology I Lab
<p>Fall 2021</p> <ul style="list-style-type: none"> • MSAF311 Aquaculture • MSAF402 Fisheries Research Techniques • VTMD101 Veterinary Anatomy I • VTMD181 Veterinary Anatomy I Lab • VTMD211 Veterinary Anatomy II • VTMD281 Veterinary Anatomy II Lab • VTMD212 Veterinary Physiology II • VTMD282 Veterinary Physiology II Lab 	<p>Spring 2022</p> <ul style="list-style-type: none"> • MSAF311L Aquaculture Lab • VTMD101 Veterinary Anatomy I • VTMD181 Veterinary Anatomy I Lab • VTMD112 Veterinary Physiology I • VTMD192 Veterinary Physiology I Lab • VTMD222 Veterinary Histology & Embryology • VTMD292 Veterinary Histology & Embryology Lab
<p>Fall 2022</p> <ul style="list-style-type: none"> • VTMD101 Veterinary Anatomy I • VTMD181 Veterinary Anatomy I Lab • VTMD112 Veterinary Physiology I • VTMD192 Veterinary Physiology I Lab • VTMD211 Veterinary Anatomy II • VTMD281 Veterinary Anatomy II Lab 	<p>Spring 2023</p> <ul style="list-style-type: none"> • AHND210 Human Anatomy and Physiology • AHND281 Human Anatomy and Physiology Lab • VTMD101 Veterinary Anatomy I • VTMD181 Veterinary Anatomy I Lab • VTMD112 Veterinary Physiology I • VTMD222 Veterinary Histology & Embryology • VTMD292 Veterinary Histology & Embryology Lab

<p>Fall 2023</p> <ul style="list-style-type: none"> • BIOL101E البيولوجيا العامة • VTMD211 Veterinary Anatomy II • VTMD281 Veterinary Anatomy II Lab 	<p>Spring 2024</p> <ul style="list-style-type: none"> • AHND210 Human Anatomy & Physiology • AHND281 Human Anatomy & Physiology Lab • MDLS102 Human Anatomy & Physiology • MDLS182 Human Anatomy & Physiology Lab • VTMD101 Veterinary Anatomy I • VTMD181 Veterinary Anatomy I Lab • VTMD112 Veterinary Physiology I • VTMD192 Veterinary Physiology I Lab
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III - Student Advising at A'Sharqiyah University

Semester	Number of Advisee	Advisee Under-probation
Spring 2021	13	0
Summer 2021	13	0
Fall 2021	18	0
Spring 2022	29	0
Fall 2022	29	0
Spring 2023	24	0
Fall 2023	24	0
Spring 2024	34	0

IV - Academic and Research Mentorship

2022 – to date	I act as a supervisor for URG, Undergraduate Research Grant (Cycle 2023), in which my student Maryam Issa Al Shibli is the PI. A'Sharqiyah University, Oman .
2021 – to date	I have been an effective mentor of Veterinary Lab technician, Mr. Basil Al Maskari, in the College of Applied and Health Sciences (CAHS) - A'Sharqiyah University, Oman . I am training Mr. Basil on the skills and competences related to veterinary lab management.
2018 – 2021	<p>I acted as a co-supervisor for the postgraduate student, Mr. Saad Nazih Saad Abdel Fattah Al-Shater, who was registered for a master's degree (specialization in Veterinary Anatomy and Embryology) at the Faculty of Veterinary Medicine - Cairo University, Egypt.</p> <p>Title of Thesis: Influence of thermal manipulations on quail embryo during embryogenesis and post hatching.</p> <p>Date of Graduation: 2 / 2 / 2021.</p>
2019 – 2021	<p>I acted as a co-supervisor for the postgraduate student, Ms. Aya Salah Abdel Wahab El-Sonpaty, who was registered for a master's degree (specialization in Veterinary Anatomy and Embryology) at the Faculty of Veterinary Medicine - Cairo University, Egypt.</p> <p>Title of Thesis: Morphological and metric studies of the coronary arteries in Donkey.</p> <p>Date of Graduation: 15 / 12 / 2021.</p>

SCHOLARLY ACHIEVEMENTS & SCIENTIFIC CONTRIBUTIONS

I - SCHOLARLY PUBLICATIONS

- **Author Name:** Karim Khalil
- **ORCID:**  <http://orcid.org/0000-0002-0907-5733>

Access Date 27 th June 2024	Scopus	Web of Science	Google Scholar
Author ID	57193646566	2028982 AAN-9291-2020	Karim Khalil
No. of Publication	23	21	25
h-index	8	7	8
Total Citation	472	361	594

Year	No.	Title and Doi
2024	1	Odin, R., Elaswad, A., Khalil, K. , Vo, K., Backenstose, N. J., Taylor, Z., ... & Dunham, R. (2024). Combining Ability of Female Channel Catfish, <i>Ictalurus punctatus</i> , and Male Blue Catfish, <i>I. furcatus</i> , for Early Growth Performance of Their Progeny. <i>Fishes</i> , 9(4), 115. 1-15 Doi: 10.3390/fishes9040115
	2	Khalil, K. M. , El-Shater, S., Rizk, H., & Khalifa, E. (2024). Embryonic thermal manipulation of poultry birds: Lucrative and deleterious effects. <i>Journal of Animal Physiology and Animal Nutrition</i> , 108 (2) 346-356. Doi: 10.1111/jpn.13896
2023	3	El-Shater, S. N., Khalil, K. M. , Rizk, H., Zaki, H. M., Abdelrahman, H. A., Abozeid, H. H., & Khalifa, E. F. (2023). Effects of Thermal Manipulation of Japanese Quail Embryo on Post-hatch Carcass Traits, Weight of Internal Organs, and Breast Meat Quality. <i>Slovenian Veterinary Research</i> , 60(2), 67-73. Doi: 10.26873/SVR-1525-2023
	4	Khalil, K. , Elaswad, A., Abdelrahman, H., Michel, M., Chen, W., Liu, S., ... & Dunham, R. (2023). Editing the Melanocortin-4 Receptor Gene in Channel Catfish Using the CRISPR-Cas9 System. <i>Fishes</i> , 8(2), 116. Doi: https://doi.org/10.3390/fishes8020116
	5	Kassem, M. A. M., Tahon, R. R., Khalil, K. M. , & El-Ayat, M. A. (2023). Morphometric studies on the appendicular bony skeleton of the ostriches (<i>Struthio Camelus</i>). <i>BMC Veterinary Research</i> , 19(1), 1-14. Doi: https://doi.org/10.1186/s12917-023-03665-6
	6	Coogan, M., Xing, D., Su, B., Alston, V., Johnson, A., Khan, M., Khalil, K. , ... & Dunham, R. A. (2023). CRISPR/Cas9-mediated knock-in of masu salmon (<i>Oncorhynchus masou</i>) elongase gene in the melanocortin-4 (mc4r) coding region of channel catfish (<i>Ictalurus punctatus</i>) genome. <i>Transgenic Research</i> , 1-14. Doi: https://doi.org/10.1007/s11248-023-00346-w
2022	7	Coogan, M., Alston, V., Su, B., Khalil, K. , Elaswad, A., Khan, M., ... & Dunham, R. A. (2022). CRISPR/Cas-9 induced knockout of myostatin gene improves growth and disease resistance in channel catfish (<i>Ictalurus punctatus</i>). <i>Aquaculture</i> , 557, 738290. Doi:

	<p>https://doi.org/10.1016/j.aquaculture.2022.738290</p> <p>8 Hassanin, A., Elaswad, A., Khalil, K., Hussein, W., & El Nabtiti, A. A. (2022). Evaluation of growth-promoting effects of silver nanoparticles and magnetic water in broilers. <i>Suez Canal Veterinary Medical Journal</i>, 27(1), 129-148 Doi: https://doi.org/10.21608/scvmj.2022.140052.1081</p> <p>9 Sary, R., Khalil, K., Sindi, R. A., Mohamed, R. H., Hussein, H. A., Eid, R. A., ... & Ahmed, A. E. (2022). Characteristics of Ultrasound and Magnetic Resonance Imaging of Normal Testes and Epididymis Besides Angiography of Testicular Artery in Dromedary Camel. <i>Frontiers in Veterinary Science</i>, 760. Doi: https://doi.org/10.3389/fvets.2022.899570</p> <p>10 Bakeer, M., Abdelrahman, H., & Khalil, K. (2022). Effects of pomegranate peel and olive pomace supplementation on reproduction and oxidative status of rabbit doe. <i>Journal of Animal Physiology and Animal Nutrition</i>, 106(3), 655-663. Doi: https://doi.org/10.1111/jpn.13617</p> <p>11 Sary, R. G., Abdelrahman, H. A., Mohamed, R. H., Hussien, A. M., Hussein, H. A., & Khalil, K. M. (2022). Relationships between the Parity and Pelvimetry of Egyptian Buffalo Cows: Prediction of Dystocia and Estimation of Age. <i>Journal of Buffalo Science</i>, 11, 1-7. Doi: https://doi.org/10.6000/1927-520X.2022.11.01</p> <p>12 Coogan, M., Alston, V., Su, B., Khalil, K., Elaswad, A., Khan, M., ... & Dunham, R. A. (2022). Improved Growth and High Inheritance of Melanocortin-4 Receptor (mc4r) Mutation in CRISPR/Cas-9 Gene-Edited Channel Catfish, <i>Ictalurus punctatus</i>. <i>Marine Biotechnology</i>, 1-13. Doi: https://doi.org/10.1007/s10126-022-10146-8</p>
2021	<p>13 El-Sonpaty, A. S., Khalil, K. M., Salem, M. A., & El-Ayat, M. A. (2021). Macroanatomy and angiography of coronary arteries in <i>equus asinus</i>. <i>Advances in Animal and Veterinary Sciences</i>, 9(11), 1964-1972. Doi: http://dx.doi.org/10.17582/journal.aavs/2021/9.11.1964.1972</p> <p>14 Hussein, W. A., Hassanin, A. A., El Nabtiti, A. A., Khalil, K., & Elaswad, A. (2021). Silver Nanoparticles as Modulators of Myogenesis-Related Gene Expression in Chicken Embryos. <i>Genes</i>, 12(5), 629. Doi: https://doi.org/10.3390/genes12050629</p> <p>15 El-Shater, S. N., Rizk, H., Abdelrahman, H. A., Awad, M. A., Khalifa, E. F., & Khalil, K. M. (2021). Embryonic thermal manipulation of Japanese quail: effects on embryonic development, hatchability, and post-hatch performance. <i>Tropical Animal Health and Production</i>, 53(2), 1-10. Doi: https://doi.org/10.1007/s11250-021-02726-y</p> <p>16 Huang, Y., Bugg, W., Bangs, M., Qin, G., Drescher, D., Backenstose, N., Khalil, K., ... & Dunham, R. A. (2021). Direct and pleiotropic effects of the Masou Salmon Delta-5 Desaturase transgene in F1 channel catfish (<i>Ictalurus punctatus</i>). <i>Transgenic Research</i>, 30, 185-200. Doi: https://doi.org/10.1007/s11248-021-00242-1</p>

2020	<p>17 Sary, R. G., Mohamed, R. H., Khalil, K. M., Al-Iethie, A. L. A., & Hussein, H. A. (2020). Relationship between angioarchitecture of the testicular artery and spermiogram parameters in Egyptian buffalo bulls (<i>bubalus bubalis</i>). <i>Reproduction in Domestic Animals</i>, 55(3), 343-350. Doi: https://doi.org/10.1111/rda.13635</p> <p>18 El-Shater, S., Khalil, K., Rizk, H., Abdelrahman, H., & Khalifa, E. (2020). Thermal manipulation on Japanese quail embryo; An embryological study. <i>Veterinary Medical Journal (Giza)</i>, 66(1), 115-123. Doi: https://dx.doi.org/10.21608/vmjg.2020.157999</p>
2019	<p>19 Elaswad, A., Khalil, K., Ye, Z., Alsaqufi, A., Abdelrahman, H., Su, B., Perera, D., Dong, S., Abass, N., & Dunham, R. (2019). Effects of cecropin transgenesis and interspecific hybridization on the resistance to <i>Ichthyophthirius multifiliis</i> in Channel Catfish and female Channel Catfish× male blue catfish hybrids. <i>North American Journal of Aquaculture</i>, 81(3), 242-252. Doi: https://doi.org/10.1002/naaq.10096</p> <p>20 Bao, L., Tian, C., Liu, S., Zhang, Y., Elaswad, A., Yuan, Z., Khalil, K., Sun, F., Yang, Y., Zhou, T., Li, N., & Liu, Z. (2019). The Y chromosome sequence of the channel catfish suggests novel sex determination mechanisms in teleost fish. <i>BMC biology</i>, 17(1), 1-16. Doi: https://doi.org/10.1186/s12915-019-0627-7</p>
2018	<p>21 Elaswad, A., Khalil, K., Ye, Z., Liu, Z., Liu, S., Peatman, E., Odin, R., Vo, K., Drescher, D., Gosh, K., Qin, G., Bugg, W., Backenstose, N., & Dunham, R. (2018). Effects of CRISPR/Cas9 dosage on TICAM1 and RBL gene mutation rate, embryonic development, hatchability, and fry survival in channel catfish. <i>Scientific reports</i>, 8(1), 1-17. Doi: https://doi.org/10.1038/s41598-018-34738-4</p> <p>22 Elaswad, A., Khalil, K., Cline, D., Page-McCaw, P., Chen, W., Michel, M., ... & Dunham, R. (2018). Microinjection of CRISPR/Cas9 protein into channel catfish, <i>Ictalurus punctatus</i>, embryos for gene editing. <i>JoVE (Journal of Visualized Experiments)</i>, (131), e56275. Doi: https://doi.org/10.3791/56275</p>
2017	<p>23 Khalil, K., Elayat, M., Khalifa, E., Daghash, S., Elaswad, A., Miller, M., ... & Dunham, R. (2017). Generation of myostatin gene-edited channel catfish (<i>Ictalurus punctatus</i>) via zygote injection of CRISPR/Cas9 system. <i>Scientific reports</i>, 7(1), 7301. Doi: https://doi.org/10.1038/s41598-017-07223-7</p> <p>24 Abdelrahman, H., ElHady, M., Alcivar-Warren, A., Allen, S., Al-Tobasei, R., Bao, L., ..., Khalil, K., ..., & Zhou, T. (2017). Aquaculture genomics, genetics and breeding in the United States: current status, challenges, and priorities for future research. <i>BMC genomics</i>, 18(1), 1-23. Doi: https://doi.org/10.1186/s12864-017-3557-1</p>
2014	<p>25 Elayat, M. A., Khalil, K. M., Farag, F. M., & Rizk, H. M. (2014). Gross anatomical studies on the pattern and density of the tunica vasculosa testis in some farm animals (buffalo, ram, camel, donkey and rabbit). <i>Benha Veterinary Medical Journal</i>, 26, 1-9. Doi: https://bvmj.bu.edu.eg/issues/26-1/1.pdf</p>

II - CONFERENCES and MEETINGS

May, 2023 The **2023 ASU Research Week**. [A'Sharqiyah University, Ibra, Sultanate of Oman](#).
Title of Presentation: Lucrative and Deleterious Effects of Embryonic Thermal Manipulation on Japanese Quail

April, 2021 The **2021 ASU Research Week**. [A'Sharqiyah University, Ibra, Sultanate of Oman](#).
Title of Presentation: The CRISPR System: Emerging Technology and Applications

June, 2019 The **Asian-Pacific Aquaculture 2019**. [Chennai, India](#).
Title of Presentation: Production of Yeast-Based Vaccine for Growth Enhancement in Aquaculture.

August, 2018 The **15th scientific conference (7th international) of Faculty of Veterinary Medicine**, Cairo University. [Ain Sokhna, Egypt](#).
Title of Presentation: Regulation of Muscle Mass growth via Microinjection of CRISPR/Cas9 Protein into Channel Catfish, *Ictalurus punctatus*, One-cell Embryos targeting Myostatin Gene.

February, 2017 The **World Aquaculture Society Meeting 2017**. [San Antonio, TX, USA](#).
Title of Poster: Microinjection of CRISPR/Cas9 protein into channel catfish, *Ictalurus punctatus*, embryos to knockout genes.
✓ Second place award (within a research team) Award presented by Alltech for the best applied research project

October, 2016 **Graduate Student Agricultural Poster** (Auburn Univ.). [Auburn, AL, USA](#).
Title of Poster: Microinjection of CRISPR/Cas9 protein into channel catfish, *Ictalurus punctatus*, embryos to knockout genes.

February, 2016 The **World Aquaculture Society Meeting 2016** (Aquaculture 2016). [Las Vegas, NV, USA](#).
Title of Poster: Altering melanocortin-4 receptor activity in channel catfish, *Ictalurus Punctatus*, using CRISPR/Cas9 system.

February, 2016 **Georgia and Alabama chapters of the American Fisheries Society**. [Columbus, GA, USA](#).
Title of Presentation: Comparison of Induced Mutations in Ticam 1 Gene in Different Tissues of Channel Catfish, *Ictalurus punctatus*.

November, 2014 The **2nd Annual International Conference on VETSCI 2014** (Advances in Veterinary Science Research). [Singapore](#).
Title of Presentation: Angioarchitectural Patterns of the Testicular Arteries.

February, 2014 The **24th Annual Congress of Egyptian Society for Animal Reproduction and Fertility**. [Giza – Hurghada, Egypt](#).
Title of Presentation: Angioarchitectural Patterns of the Testicular Vessels.

III – GRANTS and PROJECTS

Proposal Title	Role	Funded by	Budget (OMR)
The potentiality of using Frankincense (Boswellia) oil in plastination techniques to preserve the biological tissues and cadavers used in veterinary education Project ID. IRG 04	Principal Investigator	A'Sharqiyah University, Sultanate of Oman (Internal Research Grant)	3,500
Phenotypic and genetic characterization of common myan (minah bird) in the Sultanate of Oman. Code: CP/ENV/ASU/2023/01 Agreement No. 6121/3/2022-39	Co-Investigator	Environment Authority, Sultanate of Oman	52,000
Embryo sex determination for optimal management and pregnancy evaluation in camels Project ID: BFP/RGP/HSS/23/296	Co-Investigator	MoHERI, Oman	19,000
Foot-and-Mouth Disease Virus in Oman: Sero-Molecular Epidemiology and Vaccine Matching Project ID: BFP/RGP/HSS/23/255	Co-Investigator	MoHERI, Oman	20,000
Study the Effects of Embryonic Thermal Manipulation on the Principal Avian Species reared in Oman. Project ID: BFP/URG/EBR/23/018	Faculty Mentor	MoHERI, Oman	1,500

IV - AWARDS and HONORS

May – October 2020

- Postdoc at Auburn University, Alabama, USA.

2018

- Cairo University Encouragement Award in Biological Sciences.

2017/2018/2019/2020/2021

- International publication award from Cairo University.

2015 - 2017

- Scholarship (Joint supervision) for two years in Auburn University, Alabama, USA.

V – Memberships in Professional Bodies

- African Association of Veterinary Anatomist.
- World Aquaculture Society.
- Egyptian Aquaculture Society.
- Egyptian Veterinarians Syndicate.

VI – Editorship of National / International Journals

Member in implementation team of International Journal of Veterinary Science and Medicine (IJVSM)

- ✓ Title owner: Faculty of Veterinary Medicine, Cairo University
- ✓ ISSN: 2314-4599
- ✓ Publisher: Taylor & Francis
- ✓ Scopus: CiteScore 5.7 (Q1)
- ✓ Web of Sciences: Impact Factor 2.2 (Q1)

VII – Invited Review Papers in the following scholarly journals

#	Title	No. of Papers	ISSN E-ISSN	Web of Science Impact factor	Scopus CiteScore
1	International Journal of Veterinary Science and Medicine	8	2314-4599	2.2	5.7
2	Inflammation and Regeneration	1	1880-8190	10.426	11.4
3	Journal of Chemical Neuroanatomy	1	0891-0618 1873-6300	2.8	5.2
4	Tropical Animal Health and Production	1	0049-4747 1573-7438	1.893	2.4
5	Journal of Equine Veterinary Sciences	1	0737-0806 1542-7412	1.3	2.3
6	Advances in Animal and Veterinary Sciences	13	2309-3331 2307-8316	ESCI	0.9
7	International Journal of Veterinary Science	2	2305-4360	ESCI	1.4
8	Pakistan Veterinary Journal	1	0253-8318 2074-7764	2.3	3
9	Aquaculture	1	0044-8486	5.135	6.4
10	Annals of Animal sciences	1	2300-8733	1.9	3.8
11	Zoomorphology	1	0720-213X 1432-234X	1	2.3
12	BMC Genomics	2	1471-2164	4.4	7.5
13	BMC Veterinary Research	1	1746-6148	2.6	4.8
14	Journal of Thermal Biology	1	0306-4565	2.7	5.2
15	Iraqi Journal of Veterinary Sciences	1	1607-3894 2071-1255	-	2.7



University & Community Services

I. University Services

A'Sharqiyah University	2021 – to date	A member in CAHS Research & Enterprise Committee (CREEC) - A'Sharqiyah University .
	2021 – to date	A member in CAHS Exam Committee, A'Sharqiyah University .
	Spring 2023	A member of organizing committee of the first International Conference of Applied and Health Sciences, A'Sharqiyah University .
	Spring 2022 - 2024	A member in the Organization Committee of the world veterinary day celebration at A'Sharqiyah University .
Cairo University	2019 – to date	A reviewer and member in implementation team of International Journal of Veterinary Science and Medicine; ISSN: 2314-4599 (Q1 Journal in Scopus & WOS).
	2019 – to date	A member in the Institutional Animal Care and Use Committee (IACUC) – Faculty of Veterinary Medicine, Cairo University .
	2019 - 2020	A member in the organization committee of Scientific Seminar Day (SSD) – Faculty of Veterinary Medicine, Cairo University . (Season I & II)
	2018 - 2020	A Scientific coordinator for the Department of Anatomy and Embryology – Faculty of Veterinary Medicine – Cairo University .
	2018 - 2020	A Coordinator for structuring and equipping the graduate studies laboratory of Anatomy and Embryology Department – Faculty of Veterinary Medicine – Cairo University .
	2018 - 2020	A member in Alumni Supporting & Following Unit (ASFU) – Faculty of Veterinary Medicine, Cairo University .
	<p>A member of organization committees of five national and international conferences at Cairo University:</p> <ul style="list-style-type: none"> • The 15th scientific conference (7th international) of Faculty of Veterinary Medicine, Cairo University. Ain Sokhna, Egypt. August 2018 • The 24th Annual Congress of Egyptian Society for Animal Reproduction and Fertility. Giza – Hurghada, Egypt. February 2014. • Use of Alternatives in Veterinary Education, Cairo University - Conference Center, Giza, Egypt. March 2013. • The 5th scientific conference of Egyptian Society for Animal Management (Challenges facing Animal and Poultry Wealth: A Future Vision), Cairo – Sharm-EL sheikh, Egypt. September 2012. • The 11th scientific conference (3rd international) of Faculty of Veterinary Medicine, Cairo University. Cairo – Hurghada, Egypt. May 2011. 	

II. Professional Activities

Date	Activity / Event	Host / Organizer	Audience
27 April 2024	World Veterinary Day 2024	National Veterinary Vaccine Company LLC (HASANA) Muscat, Sultanate of Oman	✓ Veterinarians
28 – 29 January 2024	I conducted a two-day hands-on workshop on Preparation and Preservation of Biological Specimens and Plastination Techniques	Animal & Veterinary Sciences Department, College of Agricultural & Marine sciences, Sultan Qaboos University	✓ Academic staff. ✓ Lab. Technician. ✓ Graduate students. ✓ Researchers
29 November 2023	The 3 rd Forum of farmers and livestock breeders in North Al Sharqiyah Governorate, Ibra, Sultanate of Oman, 2023 Title of Presentation: Exploring the Impact and Controversies of Genetically Modified Foods, Crops, and Animals	Oman Chamber of Commerce and Industry, Ibra Branch, North Al Sharqiyah.	✓ Governor of North Al Sharqiyah. ✓ Employees of municipalities. ✓ The agricultural directorate. ✓ Livestock breeders
8 November 2023	I delivered an online workshop titled: Using Database and Digitizing Scientific Research	Learning Resources Centre at A'Sharqiyah University	✓ Students. ✓ Academic staff. ✓ Researchers.
4 October 2023	World Animal Day Celebration	Directorate of Agriculture, Fisheries and Water Resources, North Al Sharqiyah Governorate, Ibra	✓ The agricultural directorate. ✓ Veterinarians. ✓ Livestock breeders.
14 April 2022	I delivered two lectures on Research Related Policies: ✓ Research Seed Fund Policy ✓ Research Ethics Policy	College of Applied and Health Sciences, A'Sharqiyah University	CAHS Faculty, ASU



Professional Development & Continuing Learning

A. SKILLS

Languages	Mother tongue: Arabic 2nd Language: English IELTS (Score = 6.5) & I had been in USA for +2 years.
Computer Skills	<ul style="list-style-type: none"> • ICDL version 4.0 (International Computer Driving License). • Photoshop CS₄. • ImageJ / FIJI (Java-based image processing program). • Good Command of gene editing and sequence analysis software. • R – Programming Language. • Learning Management System (LMS); MOODLE, Google Classroom and Blackboard

B. TRAINING

October 2023	Training course on Digital Radiology “ meX+ 100 (Vet Version) & meX Image Acquisition Software ”, A’Sharqiyah University, Ibra, Sultanate of Oman
December 2019	Introduction to applied statistics using R-Program , 30 Hours training course, Cairo University, Egypt
April 2016	Intensive training on CRISPR technology in Dr. Page-McCaw Lab, Department of Molecular Physiology and Biophysics, Vanderbilt University, Nashville, TN, USA .
May - October 2015	<p>Laboratory and Hatchery orientations in North Auburn Station, School of Fisheries, Aquaculture and Aquatic Sciences, Auburn University, Auburn, AL, USA.</p> <p>Online Training courses:</p> <ul style="list-style-type: none"> • Biosafety. • Animal Resources Core Training. • Animal Emergency Care Plan. <p>Live sessions on Lab Safety and Biosafety in College of Sciences and Mathematics, Auburn University, Auburn, AL, USA.</p>
January and February 2011	Training course on Adobe Photoshop CS4 at information systems institute, Ministry of Defence, Egypt .
October – December 2010	Intensive training course on poultry industry in Egypt at "Delta vet. Centre Company." http://www.delta-vet.com
July 2008	Training course on " Application of Modern Technology for Diagnosis of Infectious Agent " at B.C.S.R (Biotechnology Centre for Services and Research) Faculty of Veterinary Medicine, Cairo University, Egypt .
July 2008	Training course on Emergency – First Aid at Medical Department of International Cultural Centre, Egypt .
July 2008	Training course at El-Zahraa Station for Arabian Horses Management , Egypt .

C. WORKSHOPS, SEMINARS, WEBINARS & MODULES

March 2019	Workshop on “Your Postdoc Career in Germany – Opportunities for Outstanding Scientists.” Cairo Liaison Offices of Freie univ. Berlin & Technische Univ. Munchen , DAAD Cairo, Egypt .
January 2018	Workshop on “Uses of ultrasonography & endoscope in veterinary medicine.” Faculty of Vet. Med., Cairo University, Egypt .
December 2017	Workshop on “The applications of ImageJ and Photoshop program in analysing the scientific images.” Central Lab, Faculty of Vet. Med., Suez Canal University, Egypt .
March 2016	Workshop on “Aquaculture Genomics, Genetics and Breeding”. Auburn University, Auburn, AL, USA .
February 2012	The workshop of Cairo Univ. research project "Influenza Pandemics and Aquatic Animals: Ecological and Epidemiological Perspectives". Cairo University, Egypt .

Programs of FLDC (Faculty and Leadership Development Centre, Cairo University.) as follow:

December 2022	Digital transformation.
October 2020	Critical thinking (15 hours)
January 2019	University management (15 hours).
October 2018	Entrepreneurship (15 hours).
May 2018	Problem-based learning (15 hours).
March 2018	Statistical Analysis of Bio-Experiments (15 hours).
December 2017	Exams and Students Evaluation Systems (15 hours).
May 2015	University Code of Ethics (15 hours).
January 2015	Competing for Research Funds (15 hours).
October 2014	Effective Teaching Skills (15 hours).
June 2014	Quality Standards in Teaching (15 hours).
January 2014	Managing Research Teams (15 hours).
December 2013	International Publishing (15hours).
February 2013	Conference Organization (15hours).
November 2012	Use of Technology in Teaching (15 hours).
July 2012	Credit Hours Systems (15 hours).
January 2012	Effective Presentation Skills (15 hours).
October 2011	Communication Skills (15 hours).
June 2011	Research Ethics (15 hours).

Modules of DAAD Cairo Akademie (Deutscher Akademischer Austausch Dienst) as follow:

March 2013	"Proposal writing GERLS".
March 2013	"Researchers Guidelines Training program". Part II. (DAAD Cairo Akademie at Bibliotheca Alexandrina).

- October 2012** “Researchers Guidelines Training program”. Part I. (DAAD Cairo Akademie at Bibliotheca Alexandrina).
- February 2012** "Proposal Writing Post Docs". (DAAD Cairo Akademie at Cairo University).

ONLINE Modules & Webinars:

#	Module / Webinar / Training course	Host / Organizer	Date
1	Webinar on “Writing Professional Responses to Editor and Reviewers' Reports"	Assiut University, in collaboration with the Egyptian Knowledge Bank (EKB)	5 / 28 / 2024
1	Webinar on “How to select the journals in Scopus for researchers?”.	ELSEVIER	6 / 3 / 2024
2	Webinar on Nicotinamide Riboside in Ovo Feeding Methodology to influence muscle development and growth in broiler-chicken embryos.	JoVE (Journal of Visualized Experiments).	30 / 11 / 2023
3	What You Need to Know about IACUC?	CU-IACUC	2 / 12 / 2021
4	Statistical Analysis in Clinical Research	RSC - Helwan University, Egypt	10 / 7 / 2021
5	Explore Journals Impact Factor	SRDU - Tanta University, Egypt	3 / 7 / 2021
6	Teaching Veterinary Anatomy and Histology During Covid-19 Pandemic, Challenges and Solutions	ACCSPM “Academic Centre for Conferences and Scientific Publishing – Malaysia”	11 / 3 / 2021
7	Peer Review Process and Causes of Manuscript Rejection	RSC (Research Support Centre), Helwan University, Egypt	6 / 3 / 2021
8	نظرة على تطبيق قانون تنظيم البحوث الطبية الإكلينيكية: المكتسبات والتحديات		22 / 1 / 2021
9	Access to legal information resources via the internet		16 / 1 / 2021
10	Research Metrics: Tracking and measuring the impact of your research		26 / 12 / 2020
11	Beyond PDFs: How ScienceDirect can enhance your Research?	ELSEVIER Researcher Academy	15 / 12 / 2020
12	How can Scopus enhance your Research?		8 / 12 / 2020
13	Introduction to Bioinformatics; [5 Modules Online webinars]	Faculty of Vet. Med. – Suez Canal University, Egypt	5 Sep. – 31 Oct 2020
14	Tips for Scientific Publishing		3 / 10 / 2020

15	How to select the right journal to submit your manuscript?	RSC - Helwan University, Egypt	1 / 9 / 2020
CABI Online-Platform webinar series were organized by CABI and EKB (Egyptian Knowledge Bank) :			
I.	Navigation of International Publication.	6, 9, and 13 August 2020	
II.	Writing Agriculture Grant Proposal.	16, 20, 23, and 27 September 2020	
III.	Professional Poster Presentation. “Professional responses to reviewer”	23 November 2020	
IV.	Professional Peer-review 1. Professional Co-authors’ Peer-review. 2. Professional post-submission peer-review 3. Professional responses to reviewer.	20, 24, and 27 December 2020	

All certificates and evidence are available upon request.

REFERENCES

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