



Assiut University

كلية معتمدة من الهيئة القومية لضمان جودة التعليم والاعتماد

Department of Anatomy, Histology
and Embryology

CURRICULUM VITA

Personal data:

Name: Mahmoud Abd-Elkareem Mahmoud Mohamed

Date of Birth: 30 / 4 / 1983

Age: 37 years

Nationality: Egyptian

Gender: Male

Marital Status: Married

Current Job: Associated professor of Histology and cell biology at Anatomy, Histology and Embryology department

Phone: +2 / 0882540316

Mobil: +2 / 01094453945

+2/ 01011231966

E-mail: mahmoud.mahmoud3@vet.au.edu.eg

abdelkareem2006@yahoo.com

abd.elkareem@au.edu.eg

mahmoudabdelkareem13@gmail.com

Fax: 002-088-2366503

Postal address: Department of Anatomy, Histology, and embryology, Faculty of Veterinary Medicine, Assiut University, Assiut City, Egypt.

Postal Code: 71526

Languages:

English: Very good

Arabic: Mother language

Personal character:

- Active and hard worker
- Responsible
- Ambitious
- Can work under stress
- Love working in groups

Special computer skills:

Windows, Microsoft Word, Excel, Powerpoint, internet, Photoshop, and Spss11.0 statistical analysis data.

Membership in organizations:

- 1- A member of the Quality Assurance and Accreditation project, Faculty of Veterinary Medicine, Assiut University.
- 2- A member of the Quality Assurance Unit, Faculty of Veterinary Medicine, Assiut University.

Scientific qualification:

B.Sc. degree in veterinary science, July 2005

M.Sc. degree in Animal Histology, July 2010

Ph.D. degree in Animal Histology, May 2014

Title of master thesis:

"Histomorphological studies on the development of the Ovary of the rabbits during the postnatal period"

Title of Ph.D. thesis:

"Histomorphological studies on the ovary of the pregnant and pseudopregnant rabbits"

Field of specialization: Histology and cytology

Experience in the field of specialization:

- 1- Teaching of the general and special Histology for the first- and second-year students respectively at the Faculty of Veterinary Medicine, Assiut University.
- 2- Teaching of the general and special Histology for the first- and second-year students respectively at the Faculty of Veterinary Medicine, New valley University.
- 3- Teaching of the general and special Histology for the first-year students at the Faculty of Veterinary Medicine, Sohag University.
- 4- Teaching of practical classes of Histology for the first- and second-year students at the Faculty of Veterinary Medicine, Assiut University.
- 5- Teaching of different histological courses for postgraduate students at the Faculty of Veterinary Medicine Assiut University, Sohag University, and New valley University.

- 6- Experience in Histological techniques, Morphometric analysis, and rearing and dealing with laboratory animals like rabbits and fish.

Research Interests:

Reproductive biology, development of the ovary, embryology, stem cell, electron microscopy, histopathology, immunohistochemistry, cytopathology, frozen section.

Training courses and workshops:

- 1- Training courses on "Effective Presentation Skills" (15/1/2007 - 17/1/2007) in the Faculty and Leadership Development Project (FLDP) of Assiut University, Assiut, Egypt.
- 2- Training courses on "Teaching with Technology" (22/1/2007 - 24/1/2007) in the Faculty and Leadership Development Project (FLDP) of Assiut University, Assiut, Egypt.
- 3- Training courses on "Thinking Skills" (10/2/2007 - 12/2/2007) in the Faculty and Leadership Development Project (FLDP) of Assiut University, Assiut, Egypt.
- 4- Training courses on "Effective Communication Skills" (17/2/2007 - 19/2/2007) in the Faculty and Leadership Development Project (FLDP) of Assiut University, Assiut, Egypt.
- 5- Training courses on "Credit hours system" (5/2/2008 - 7/2/2008) in the Faculty and Leadership Development Project (FLDP) of Assiut University, Assiut, Egypt.
- 6- Training courses on "Ethics of Scientific Research" (17/5/2008 - 19/5/2008) in the Faculty and Leadership Development Project (FLDP) of Assiut University, Assiut, Egypt.
- 7- Training course and workshop on "Protein Analysis and Applications" (24/ 10/ 2010 -25/10/2010) in the molecular biology research unit of Assiut University, Assiut, Egypt.
- 8- Training courses on "Preparation of University Lecturer" (20/11/2010 – 25/11/2010) in the Faculty of Education, Assiut University, Assiut, Egypt.
- 9- The training program of "Quality Standards in Teaching 1" (8-10 January 2012) in the Faculty and Leadership Development Center (FLDC) of Assiut University, Assiut, Egypt.
- 10- The training program of "International Publishing of Research" (14-16 January 2012) in the Faculty and Leadership Development Center (FLDC) of Assiut University, Assiut, Egypt.
- 11- Training course and workshop on "Enzyme-Linked Immuno-Sorbent Assay (ELISA) Principals and Different Applications" (26/3/2012) in the molecular biology research unit of Assiut University, Assiut, Egypt.
- 12- The training program of "Research Team Management" (10-12 July 2012) in the Faculty and Leadership Development Center (FLDC) of Assiut University, Assiut, Egypt.

- 13-** The training program of "Time and Conference Management" (6-7 May 2014) in the Faculty and Leadership Development Center (FLDC) of Assiut University, Assiut, Egypt.
- 14-** The training program of "Conference Organization" (13-14 May 2014) in the Faculty and Leadership Development Center (FLDC) of Assiut University, Assiut, Egypt.
- 15-** The training program of "Strategic Planning" (20-21 May 2014) in the Faculty and Leadership Development Center (FLDC) of Assiut University, Assiut, Egypt.
- 16-** Workshop on "IPS (Induced Pluripotent Stem Cell) & Tissue Engineering Conventional & Real-Time PCR" (22-25 May 2015) in the Laboratory of Tissue Culture & Molecular Biology, Faculty of Medicine, Assiut University, Assiut, Egypt.
- 17-** Training course and workshop on "Gene Cloning (Recombinant DNA Technology)" (19- 21/ 4/ 2016) in the Genetic Engineering and molecular biology research unit of Assiut University, Assiut, Egypt.
- 18-** Training courses and workshop on "Applications of Immunohistochemistry in the Diagnosis of Infectious Diseases" 26-27/ 2016, on the Faculty of Veterinary Medicine, Assiut University.
- 19-** Training course and workshop on "Principles of Protein Analysis and Western blotting technique" (29- 30/ 10/ 2018) in the Genetic Engineering and molecular biology research unit of Assiut University, Assiut, Egypt.
- 20-** The training program of "How to design E-Course" (10-11 March 2019) in the Faculty and Leadership Development Center (FLDC) of Assiut University, Assiut, Egypt.
- 21-** The training program of "Analytical and creative thinking in teaching" (12-13 March 2019) in the Faculty and Leadership Development Center (FLDC) of Assiut University, Assiut, Egypt.
- 22-** The training program of "Scientific research funding grants" (24-25 March 2019) in the Faculty and Leadership Development Center (FLDC) of Assiut University, Assiut, Egypt.
- 23-** The training program of "Statistical analysis in scientific research" (26-27 March 2019) in the Faculty and Leadership Development Center (FLDC) of Assiut University, Assiut, Egypt.
- 24-** The training program of "Technicalities of design and conduct scientific research" (14-15 April 2019) in the Faculty and Leadership Development Center (FLDC) of Assiut University, Assiut, Egypt.
- 25-** The training program of "E-Learning (Advanced)" (16-17 April 2019) in the Faculty and Leadership Development Center (FLDC) of Assiut University, Assiut, Egypt.

Researcher Academy training courses:

- 1- How to promote your research for maximum impact on Tuesday 12 February 2019.
- 2- Successful research grant applications – getting it right on Tuesday 12 February 2019.
- 3- Social Media for Researchers on Wednesday 13 February 2019.
- 4- How your research can make an impact on society on Wednesday 13 February 2019.
- 5- 10 reasons to get – and use – an ORCID iD on Sunday 17 February 2019.
- 6- How to write an abstract and improve your article on Wednesday 20 February 2019.
- 7- How to produce highly visible research: Useful tips for Researchers on Wednesday 20 February 2019.
- 8- Why writes a book? On Sunday 24 February 2019.
- 9- Make the most of your research: publish your data & methods on Sunday 24 February 2019.
- 10- How to get your book published on Monday 25 February 2019.

Projects:

- 1-** Experimentally induced Diabetes: Protective trials.
- 2-** The effects of Dietary zinc oxide and Silver Nanoparticles on Growth Performance and health status of Broilers.
- 3-** Effect of *Salvadora persica* (Miswak) aqueous extract on reproductive performance of male and female rats.
- 4-** *Nigella sativa* seed protects against 4-nonylphenol-induced toxicity in *Clarias gariepinus* (Burchell, 1822).
- 5-** Establishment of an electronic database on diseases and epidemics affecting livestock and poultry in Assiut governorate.
- 6-** Toxic effects of microplastic on catfish: Protective trials.

Conferences:

- 1-** 14th Scientific conference (30 November -2 December 2010) Faculty of Veterinary Medicine, Assiut University, Egypt.
- 2-** 15th Scientific conference, Veterinary Medicine and its Impact on Development of National Economy (25-27 November 2012) Faculty of Veterinary Medicine, Assiut University, Egypt.
- 3-** 16th Scientific conference, Prospective Visions for upgrading the quality of Veterinary Education (30 November – December 2014) Faculty of Veterinary Medicine, Assiut University, Egypt.

- 4- The 39th annual international Conference of the Egyptian Society of Histology & Cytology In collaboration with the Egyptian Society of Progenitor cell research (Stem Cell therapy: Dream and reality?), 17-18 December 2015, Assiut University, Egypt.
- 5- 17th Scientific conference, The Role of Scientific Research in the livestock development and food safety (6-8 December 2016), Faculty of Veterinary Medicine, Assiut University, Egypt.
- 6- 8th International Conference of Development and Environment in the Arab world (22-24 March 2016), Assiut University, Egypt.
- 7- 9th International Conference of Development and Environment in the Arab world (17-19 April 2018), Assiut University, Egypt.
- 8- 18th Scientific conference, The importance of scientific research and community participation in livestock development locally and regionally (6-8 November 2019), Faculty of Veterinary Medicine, Assiut University, Egypt.
- 9- 10th International Conference of Development and Environment in the Arab world (8-10 November 2020), Assiut University, Egypt.
- 10- The 44th annual Conference of the Egyptian Society of Histology & Cytology. Cell intelligence against Covid19 "The Good and the Evil". Held online on December 7th 2020.

Supervision on master's degree:

- 1- **Ayman Hussein Kamel**, Department of Animal Surgery, Anesthesiology and Radiology Faculty of Veterinary Medicine, Assiut University, title: Evaluation of the effect of platelet-rich fibrin and silver nanoparticles on the healing of severed superficial digital flexor tendon in donkeys (An experimental study).
- 2- **Rghda Ismaeil Abd-Alla**, Department of histology Faculty of Veterinary Medicine, New valley University title: Histomorphological studies on the effect of contraceptives on the ovary and uterus of rabbits.
- 3- **Tomas Khery Nasr**, Department of histology Faculty of Veterinary Medicine, Sohag University.

Supervision on Ph.D. degree:

- 1- **Ahemd Abd-Elraheem Ibrahim**, Department of Animal surgery, Anesthesiology and Radiology Faculty of Veterinary Medicine, Assiut University; title: Repair of experimentally – induced critical – sized bone defect using bone substitutes in rabbits.
- 2- **Sbreen Mustafa Ghreeb**, Department of Anatomy, Histology and Embryology, Faculty of Veterinary Medicine, Assiut University.

Acknowledgements on master's degree:

- 1- **Mohammed Sobhy Abdelhakam**, Department of Animal surgery, Anesthesiology and Radiology Faculty of Veterinary Medicine, Assiut University; title: Evaluation and Comparison of the Effect of Honey, Aloe Vera Gel and Cod Liver Oil on healing of experimentally induced Corneal Ulcer in Donkeys (An experimental study) .
- 2- **Mahmoud Osman Khalifa**, Department of anatomy, Faculty of Veterinary Medicine, Aswan University; title: Developmental studies on the floor of the oropharynx in the Quail
- 3- **Asmaa Hussein Abd El-Kareem**, Department of Veterinary physiology Faculty of Veterinary Medicine, New valley University. Title: Physiological Effects of Perinatal Stress Exposure on Stress Neurohormonal Axis in Rat Pups with Hyperthyroidal Mothers.
- 4- **Ismaeil Mahmoud Ali**, Department of biochemistry Faculty of science Minia University; title: curative effect of copper (II)-albumin complex against intoxication by bromobenzene.

Acknowledgments on Ph.D. degree:

- 1- **Abdelrahman Mouhamed Helmy**, Department of Pharmaceutics, Faculty of Pharmacy, Deraya University, Minia.
- 2- **Ahmed Kamel Abd El Nasser**, Pediatric and Community Dentistry Department, Faculty of Dentistry, Assiut University; title: Evaluation of the success rate of Revascularization technique using Leukocyte-platelet-rich fibrin (L-PRF) concentrate compared to blood clot as a Scaffold (Clinical and Experimental Study).

Publications:

- 1- Mahmoud, M.A.; Mohammed, G.K. and Abd El-hafez, E.A. (2011):** Histomorphological studies on the development of the ovary of the rabbits during the postnatal period. 2nd joint meeting of France and British Societies for Developmental Biology 3-6 September first page.
- 2- Nasser Sayed Abou Khalil and Mahmoud Abd-Elkareem (2016):** The hepatotoxic effects of 4-nonylphenol on African catfish (*Clarias gariepinus*): Physiological and histological study, Conference: The Role of Scientific Research in The Livestock development and food safety, at Assiut University, 1-13.
- 3- Fath El-Bab MR, Abou-Elhamd AS, Abd-Elkareem M (2017):** How the Structure of the Sweat Glands of Camel Symphonizes their Reliable Function. *J. Anim. Health Prod.* 5(1): 19-23.
- 4- N.S. Abou Khalil, M. Abd-Elkareem and A.H. Sayed (2017):** *Nigella sativa* seed protects against 4-nonylphenol- induced haematotoxicity in *Clarias gariepinus* (Burchell, 1822): Oxidant/antioxidant rebalance, *Aquaculture Nutrition*, Vol. 1, pp. 1-8.
- 5- Mahmoud Abd-Elkareem (2017):** Cell-specific immuno-localization of progesterone receptor alpha in the rabbit ovary during pregnancy and after parturition, *Animal Reproduction Science* 180, 100-120.
- 6- Mahmoud Abd-Elkareem (2017):** Morphological, Histological and Immunohistochemical Study of the Rabbit Uterus during Pseudopregnancy, *Journal of Cytology & Histology*, 8-1: 1-7.
- 7- Abdelrahman M. Helmy, Mahmoud Elsabahy, Ghareb M. Soliman, Mahmoud Abd-Elkareem, Elsayed A. Ibrahim (2017):** Development and in vivo evaluation of chitosan beads for the colonic delivery of azathioprine for treatment of inflammatory bowel disease. *European Journal of Pharmaceutical Sciences* 109: 269–279.
- 8- Mahmoud Abd-Elkareem (2017):** Advanced uses of immunohistochemistry in histology and histopathology, *J Histol Histopathol Res* 2017;1(1):19-20.
- 9- Abou-Elhamd, A. S.; Abd-Elkareem, M and Zayed, A. Z. (2018):** Morphogenesis of lingual papillae of one-humped Camel (*Camelus dromedarius*) during prenatal life: A light and scanning electron microscopic study, *Anatomia, Histologia, Embryologia*, ;47(1):38-45.
- 10- Ahmed M Kotb, Mahmoud Abd-Elkareem, Nasser S Abou Khalil, Alaa El-Din Hamid Sayed (2018):** Protective effect of *Nigella sativa* on 4-nonylphenol-induced nephrotoxicity in *Clarias gariepinus* (Burchell, 1822), *Science of the Total Environment* 619–620: 692–699.

- 11- **Abd-Elkareem, M., Abou Khalil, N.S. & Sayed, A.H. (2018):** Hepatotoxic responses of 4-nonylphenol on African catfish (*Clarias gariepinus*): antioxidant and histochemical biomarkers, *Fish Physiology and Biochemistry* 44: 969-981.
- 12- **Ahmed E. Zayed, Ahmed Saleh, Asmaa M. S. Gomaa, Mahmoud Abd-Elkareem et al. (2018):** Protective Effect of Ginkgo biloba and Magnetized Water on Nephropathy in Induced Type 2 Diabetes in Rat,” *Oxidative Medicine and Cellular Longevity*, 2018 Aug 9, Article ID 1785614, 10 pages.
- 13- **Alaa El-Din H. Sayed, Mahmoud Abd-Elkareem and Nasser S. Abou Khalil (2019):** Immunotoxic effects of 4-nonylphenol on *Clarias gariepinus*: Cytopathological changes in hepatic melanomacrophages. *Aquatic Toxicology* 207: 83–90.
- 14- **Sotohy A. Sotohy, Khaled A. Abdel-Sater, Mohamed A. Mahmoud, Mahmoud Abd-Elkareem, and Asmaa H. Abdel-Kareem (2019):** Physiological Effects Of Perinatal Stress On Hypothalamic-Pituitary-Adrenal (HPA) Axis In Rat Pups With Model Of Hyperthyroidal Mothers. *Assiut Vet. Med. J.* Vol. 65 No. 160 January 2019, 142-150.
- 15- **Ahmed Saleh, Mamdouh M Anwar, Ahmed E Zayed, Manal El Sayed Ezz Eldeen, Gamal Afifi, Hassien M Alnashiri, Asmaa MS Gomaa, Mahmoud Abd-Elkareem et al (2019):** Impact of Ginkgo biloba extract and magnetized water on the survival rate and functional capabilities of pancreatic β -cells in type 2 diabetic rat model. *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy* 2019:12 1339–1347.
- 16- **Mohammed A. H. Abdelhakiem, Abdelbaset Eweda Abdelbaset, Mahmoud Abd-Elkareem, Mohamed S. Rawy, and Hamdy F. F. Mahmoud (2019):** Clinical blood gas indices and histopathological effects of intrathecal injection of tolfenamic acid and lidocaine Hcl in donkeys. *Comparative Clinical Pathology*, <https://doi.org/10.1007/s00580-019-03025-7>.
- 17- **Mahmoud Abd-Elkareem and Alaa Sayed Abou-Elhamd (2019):** Immunohistochemical localization of progesterone receptors alpha (PRA) in ovary of the pseudopregnant rabbit. <http://dx.doi.org/10.21451/1984-3143-AR2018-0128> *Anim Reprod*, vol.16, n2, p.302-310, 2019.
- 18- **Abd-Elkareem, M., Abou Khalil, N. S., and Sayed, A. E.-D. H. (2020):** Cytoprotective effect of *Nigella sativa* seed on 4-nonylphenol-induced renal damage in the African catfish (*Clarias gariepinus*). *Chemosphere*, 259, 127379. <https://doi.org/10.1016/j.chemosphere.2020.127379>.
- 19- **Kotb, M and Abd-Elkareem, M. (2021):** Histopathological changes of kidney tissue during aging. *South valley veterinary medical journal*.

Editorial Board Member in:

- 1- Journal of Histology and Histopathology Research
- 2- Journal of Anatomy Forecast
- 3- Journal of Genetics and Cell Biology
- 4- Associate editor for Cell & Cellular Life Sciences Journal (CCLSJ)
- 5- Journal of Anatomical Science and Research
- 6- Stem Cell Research & Therapeutics
- 7- Cytology & Histology International Journal (CHIJ)
- 8- SCIREA Journal of Biology
- 9- Animal and Veterinary Sciences
- 10- Annals of Cell and Developmental Biology
- 11- EC Veterinary Science

Reviewer in:

- 1- Journal of Herbal Medicine:
 - Nigella sativa improves anemia, enhances immunity, and relieves iron overload-induced oxidative stress: a promising treatment in children having beta-thalassemia major
- 2- SVU-International Journal of Veterinary Sciences (reviewed several papers).
- 3- **Environmental research (reviewed several papers).**

Researcher ID: D-5404-2019

orcid.org/0000-0003-3715-011X