

Ahmed El-Zuhry Zayed

Email: elzuhry@aun.edu.eg | Phone: [+201120480052](tel:+201120480052) | Current Address: Assiut, Egypt

Current Position:

- Emeritus Professor of Anatomy and Embryology, Faculty of Veterinary Medicine, Assiut University, Egypt

Education:

- Ph.D. in Veterinary Anatomy, Assiut University, Faculty of Veterinary Medicine, Egypt, May 1994
 - Thesis Title: Morphological studies on the seasonal changes in the testis of Camel.
 - Advisor: Prof. Dr. A. Hefny
- M.V.Sc. in Anatomy, Assiut University, Faculty of Veterinary Medicine, Egypt, November 1988
 - Thesis Title: Studies on the prenatal development of the main arteries and associated rete mirabile supplying the brain of the one humped camel (*Camelus dromedarius*).
 - Advisor: Prof. Dr. H. Badawy
- B.V.Sc. in Veterinary Medicine, Assiut University, Faculty of Veterinary Medicine, Egypt, May 1983
 - Grade: Very Good with Honors

Academic Appointments:

- Emeritus Professor of Anatomy and Embryology, Faculty of Veterinary Medicine, Assiut University, Egypt (Sept 2022 - Present)
- Professor and Coordinator of Medical biology, Dept. of Biology, Faculty of science, Jazan University, Jazan, Saudi Arabia (Jan 2012 - June 2022)
- Professor, Dept. of Medical Biology, Faculty of Medicine, Jazan University, Jazan, Saudi Arabia (Nov 2009 - Jan 2012)

- Vice Dean for Students Affairs, College of Veterinary Medicine, Sohag University, Egypt (June 2008 - Nov 2009)
- Professor of Anatomy and Embryology, College of Veterinary Medicine, Assiut University, Egypt (Sept 2004 - June 2008)
- Assistant Professor of Anatomy and Embryology, College of Veterinary Medicine, Assiut University, Egypt (June 1999 - Sept 2004)
- Lecturer of Anatomy and Embryology, College of Veterinary Medicine, Assiut University, Egypt (June 1994 - June 1999)
- Assistant Lecturer of Anatomy and Embryology, College of Veterinary Medicine, Assiut University, Egypt (Dec 1988 - June 1994)
- Demonstrator of Anatomy and Embryology, College of Veterinary Medicine, Assiut University, Egypt (Sept 1983 - Nov 1988)

Teaching Experience:

- Extensive teaching experience in Gross Anatomy, Embryology, and Medical Biology to students of Veterinary, Medicine, and Dentistry (1983 - Present)
- Experience with Learning Management Systems such as BlackBoard and teleconferencing software (Zoom and BlackBoard Collaborate)
- Taught postgraduate courses in Anatomy and Embryology (1994 - 2009)
- Supervised several postgraduate students in their research work at Assiut and Sohag Universities in Egypt

Research Experience:

- Doing a series of research in the field of Anatomy and Embryology as well as Biology of Cell & Tissue, that are published in National journals in Egypt and International Journals as well.
- Experienced in the following techniques which have been used in preparation of the published articles:
 - Material processing and examination by light microscope, transmission and scanning electron microscopes.
 - Material processing and examination by immunohistochemical techniques (antigen- antibody techniques).

- Doing enzyme histochemistry methods for localization of enzymes within some cell types.
- Injection and preparation of casts used in studying microvasculature.
- Using image analysis software in evaluating the obtained results in light microscopy.

Selected Publications:

1. Fatma M. Abdel-maksoud, **Ahmed E. Zayed**, Enas A. Abdelhafez and Manal T. Hussein (2023): Seasonal variations of the epididymis in donkeys (*Equus asinus*) with special reference to blood epididymal barrier. *Microsc Res Tech.* 2023;1–13. DOI: 10.1002/jemt.24436.
2. Saleh A, Anwar MM, **Zayed AE**, Ezz Eldeen MES, Afifi G, Alnashiri HM, Gomaa AMS, Abd-Elkareem M, Abou-Elhamd AS, Shaheen ES, Mohamed GA, Hetta HF, Kotb AM (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*; 12 1339–134
3. **Ahmed E. Zayed**, Ahmed Saleh, Asmaa M. S. Gomaa, Mahmoud Abd-Elkareem, Mamdouh M. Anwar, Khaled M. A. Hassanein, Mohsen M Elsherbiny, Ahmed M. Kotb (2018): Protective effect of Ginkgo biloba and magnetized water on nephropathy in induced type 2 diabetes in rat. *Oxidative Medicine and Cellular Longevity. Oxid Med Cell Longev.* 2018 Jun 11;2018:1785614. doi: 10.1155/2018/1785614. eCollection 2018. PubMed PMID: 29991974; PubMed Central PMCID: PMC6016160.
4. Alaa S Abou-Elhamd, Mahmoud Abd-Elkareem, **Ahmed E Zayed** (2017): Morphogenesis of lingual papillae of one-humped camel (*Camelus dromedarius*) during prenatal life: A light and scanning electron microscopic study. *Anat Histol Embryol.* 2017;1–8.
5. Hanan H Abdelhafeez, Mohamed. NK Moustafa, **Ahmed E Zayed**, Ramadan Sayed (2017): Morphological and Morphometric Study of the Development of Leydig Cell population of Donkey (*Equus asinus*) Testis from Birth to Maturity. *Cell Biol. (Henderson, NV)* 2017, 6:1-10. DOI: 10.4172/2324-9293.1000130
6. Mohamed NK Moustafa, Ramadan Sayed, **Ahmed E Zayed** and Hanan H Abdelhafeez (2015): Morphological and Morphometric Study of the Development of Seminiferous Epithelium of Donkey (*Equus asinus*) from Birth to Maturity. *J Cytol Histol* 2015, 6:6. <http://dx.doi.org/10.4172/2157-7099.1000370>
7. A Gad Allah, A S Abou-elhamd, M E Abdelmonem and **A E Zayed** (2015): Early prenatal development of the tongue in one-humped camel (*Camelus dromedaries*): A light and scanning electron microscopy study. *Journal of International Academic Research for Multidisciplinary; Volume 3, Issue 5: 309-319.*
8. Hamdoon N. T., F. Ibrahim, A. M.Kelany, Hanan F. Elshazly, and **A. E. Zayed** (2013): Hormonal sex reversal in *Oreochromis niloticus* by oral administration of diethylstilbesterol. *Life Science Journal*;10(2): 2123-2128.

9. **Ahmed E. Zayed**, Yasser A. Ahmed, Enas A. El-Hafez and K. Steger (2013): Connexin 43 expression and its possible role in skin development. *J. Med. Sci.*, 12(6): 168-174.
10. Yasser A. Ahmed, Nada A. Abdel Samei and **Ahmed E. Zayed** (2013): Morphological and histomorphological structure of testes of the Catfish “*Clarias gariepinus*” from Egypt. *Pakistanian Journal of Biological Sciences*, 16 (13): 624-629.
11. **Ahmed E. Zayed**, Khaled Aly, Ismail A. Ibrahim, Fatma M. Abd El-Maksoud (2013): Morphological studies on the seasonal changes in the efferent ductules of the one-humped camel (*Camelus dromedaries*). *European Journal of Veterinary Medicine*, 2 (2): 76-97.
12. **Ahmed E. Zayed**, Khaled Aly, Ismail A. Ibrahim, Fatma M. Abd El-Maksoud (2012): Morphological Studies on the Epididymal Duct of the One-Humped Camel (*Camelus Dromedaries*). *Open Journal of Veterinary Medicine*, 2, 245-254.
13. **Ahmed El-Zuhry Zayed**, Khaled Aly, Ismail Abdel-Aziz Ibrahim and Ahmed Mohammed Kotb (2012): Comparative morphology of the iris of donkey (*Equus asinus*) and buffalo (*Bos bubalis*). *J. Vet. Anat.*, Vol 5 No 1, 75 – 90.
14. **Ahmed El-Zuhry Zayed**, Khaled Aly, Ismail Abdel-Aziz Ibrahim, Fatma Mohammed Abd El-maksoud (2012): Morphological studies on the seasonal changes in the epididymal duct of the one-humped camel (*camelus dromedarius*). *Veterinary Science Development*; 2:e3: 7-14
15. Ahmed YA, El-Hafez AAE, **Zayed AE** (2009): Histological and Histochemical Studies on the Esophagus, Stomach and Small Intestines of *Varanus niloticus*. *J. Vet. Anat.*, Vol 2 No1, 35 – 48.
16. **Zayed A E**, M M Abd-Elnaeim, Kh Abd-Elghaffar, A Hild, R Brehm, K Steger (2007): Prenatal development of murine gonads with special reference to germ cell differentiation: a morphological and immunohistochemical study. *Andrologia*, 39: 93-100.
17. **Zayed A E**, Ahmed YA, El-Hafez EA, K Steger (2009): Expression of gap junction protein Cx43 in developing mice epidermis. *Kafrelsheikh Vet. Med. J*, 3rd Sci. Congress, pp. (548-563).
18. **Zayed A.E.**, Hifny A., Abou El-Magd A. and Wrobel K.-H. (1995): Seasonal changes in the intertubular tissue of the Camel testis (*Camelus dromedarius*). *Annals of Anatomy*, Vol. 177: 199-212.
19. Abd-Elnaeim M.M.M.; **Zayed A.E.** and Leizer R. (2001): The blood vasculature as the forming element of the uterus of the estrous donkey (*Equus asinus*). *Italian J. of Anat and embryol.* 106 (supplement2) n.2: 307-315.
20. Abd-Elnaeim M.M.M.; **Zayed A.E.** and Leizer R. (2002): Morphological characteristics of the tongue and its papillae in the donkey (*Equus asinus*): a light and scanning electron microscopical study. *Ann. of Anat.* 184: 473-480.
21. **A.E.Zayed** and Salma A. Mohamed (2004): Morphological study on the gills of two species of fresh water fishes: *Oreochromis niloticus* and *Clarias gariepinus*. *Annals of Anatomy*, Vol. 186: 295-304.
22. Additional Publications can be found on [ResearchGate](#) and [Google Scholar](#).

Scientific Workshops and Training Courses:

1. Workshop of High Education, Faculty of Education, Assiut University, Egypt
2. Applications of molecular biology, Molecular Biology Unit, Assiut University, Egypt
3. Workshop in research team management, Assiut University, Egypt
4. Workshop in Neuro-linguistic programming, Assiut University, Egypt
5. Course of German Language, Goethe Institute, Germany

Books:

1. Laboratory Manual of Medical Biology, Part II. Dar Al-Khaldia for Publishing & Distribution, 2012.
2. Biology for Medical Students, First Edition by **A.E. Zayed**, Y.S. Masrahi, M Kuttyammoo and M.A. Al Abboud. Jizan, 2022. ISBN: 978-603-04-0373-08.
3. Biology for Medical Students, Laboratory Manual, First Edition by **A.E. Zayed**, M Kuttyammoo, A.Y. Mashraqi and Y.S. Masrahi. Jizan, 2022. ISBN: 978-603-04-0388-02.

Languages:

- English: Fluent
- Arabic: Native
- German: Proficient

References:

Prof. Dr. Klaus Steger:

Molekulare Andrologie
Klinik für Urologie, Kinderurologie und Andrologie
der Justus-Liebig-Universität, [Schubertstrasse 81](#)
D-35392 GIESSEN
Tel: +49 170 4844697
Email: klaus.steger@chiru.med.uni-giessen.de

Prof. Dr. Mahmoud M Abd-Elnaeim:

Professor of Anatomy and Embryology, Faculty of Veterinary Medicine, Assiut University, Egypt.
Email: neimat-51@hotmail.com
Tel: +20 102 838 5689

DR. Fatma M. Abdel-maksoud:

Associate Professor of Anatomy and Embryology, Faculty of Veterinary Medicine, Assiut University, Egypt.
Email: fatmamaksoud84@yahoo.com

Tel: +20 101 379 2630