Curriculum Vitae

Ahmed A. Kassab, DVM, MVSc, PhD

professor of Anatomy and Physiology

***PERMANENT ADDRESS*:**

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Statement of Self-assessment of Teaching, Scholarship, and Service Accomplishments

- I received my Ph.D. from Utsunomiya University, Japan, in Anatomy and physiology from Animal Science Department. My Master degree in Anatomy was from College of Veterinary Medicine, Zagazig University, Egypt. I started my job career since 1993 after I got my Bachelor degree in Veterinary Medicine and worked as demonstrator of Anatomy in the same college, then assistant lecturer. I became assistant professor in 2002 in College of Veterinary Medicine, Zagazig University, Egypt. I joined UAEU in 2010 as instructor of Animal science. Since joining the UAEU I have made important contributions to teaching and services that are consistent with the goals of the university.
- **Teaching**

  My Teaching Philosophy

  Actively involving students in their own learning forms the basis of my student teaching style. I knew the importance of university student learning principles, such as engaging the learner in problem solving to develop the student's critical thinking. I use a variety of ways that actively involve students in their own learning. These include, class discussions, accessing websites, discussion board assignments, collaborative learning. I believe that students should also benefit from other experts in the community and for this reason I often include guest speakers in most of my classes. Furthermore, I try to make my teaching very relevant to the practical applications of veterinary sciences. For example, teaching students how to successfully apply the theory information to real life situations.

- Teaching students how to be an effective with the **Mother Nature responder** and educator is an important skill which I have instilled in my students. I received favorable teaching evaluations from my students. My teaching philosophy is to actively engage students in their own learning and increase their self-confidence as future animal science educators. Involving students in my research projects was also very useful in enhancing their research and administrative skills. Furthermore, I have taught a variety of specialization and general education courses and made important contributions for development of animal science course syllabi and course outcome evaluations tools.

  The key strengths that I possess for success in this position include:

  - I strive for continued excellence.
  - I know the importance of university student learning principles, such as engaging the learner in problem solving to develop the student's critical thinking.
  - I think that I completely understood the way of thinking of Emirati students and know how to deal with them.
  - I use a variety of ways that actively involve students in their own learning such as class discussions, accessing websites, discussion board assignments, collaborative learning.

- **Research**

  My research interests include the Anatomy and physiology of the domestic animals especially on the camel. I am a member of Japanese Society of Anatomist Since 2000. I won many awards for excellent presentations during my research in Japan. Currently; I am one of the regular reviewers of brilliant international journal called Anatomia Histologia Embryologia, and is on the editorial board of other international Scientific journals.

DATE OF BIRTH: ***September 9th, 1970***

MARITAL STATUS: **Married, wife and two children**

EDUCATION:

1987-1992	**Bachelor of Veterinary Medicine (B.V.Sc.) Zagazig University-Benha Branch, Egypt, Graduated "Very Good"**
1994-1997	**Master degree (M.Sc.), Veterinary Anatomy and Embryology, Zagazig University, (Benha branch), Egypt.**
1997-1998	**Courses for Ph.D.**
1999-2001	**Visiting Researcher & Ph.D. student Lab. Of Function and Morphology, Department of Animal Science, Faculty of Agriculture Utsunomiya University, JAPAN.**
2002	**Ph.D. "Veterinary Anatomy" This degree was awarded under the channel system program between Egypt and Utsunomiya University, Japan.**

PROFESSIONAL POSITIONS

1993-1997	**Demonstrator of Anatomy**.
1997-1999	**Assistant Lecturer of Anatomy**
1999-2001	**VISITING RESEARCHER, LABORATORY OF FUNCTION & MORPHOLOGY, FACULTY OF AGRICULTURE, UTSUNOMIYA UNIVERSITY, JAPAN.**

2002-2003 **Assistant prof. of Anatomy and Embryology, Faculty of Veterinary Medicine, Benha University, Egypt.**

2003-2007 **ASSISTANT PROF. of Anatomy and Embryology, BIOLOGY DEPARTMENT, FACULTY OF SCIENCE AND ARTS (IGDABIA), GARYOUNIS UNIVERSITY, LIBYA.**

2007-2009 **Associate prof. of Anatomy and Embryology, Faculty of Veterinary Medicine, Benha University, Egypt.**

2010-untill now **Animal Science Faculty, Department of Aridland Agriculture, Faculty of Food and Agriculture, United Arab Emirates University, UAE.**

2012-……. **Full prof. of Anatomy and Embryology, Faculty of Veterinary Medicine, Benha University, Egypt.**

Thesis / Dissertation:-

- **Kassab, A.A. (1997):** Some Anatomical studies on the external ear in camel and donkey. ***MVSc, Thesis*** (Zagazig University- Benha Branch).

- **Kassab, A.A. (2002):** Some Anatomical studies on the eyeball of buffaloes. ***PhD Thesis.*** Through a channel system program between Benha University, Egypt and Utsunomiya University, JAPAN.

SUPERVISION OF THESIS:

Supervise two PhD students in the field of veterinary Anatomy and Embryology

PUBLISHED ARTICLES:

A) Peer Reviewed Journal Articles

1) **Kassab A**, Sugita S. Study of ganglion cell topography of the retina in buffaloes (*Bos bubalis*). Animal Science Journal 71(6), 600-608, 2000.

2) **Kassab A**, Aoyama M, Sugita S. The morphology of the iridocorneal angle in the eye of buffaloes (*Bos bubalis*): A light and scanning electron microscopic study. Okajimas Folia Anatomica Japonica 78(4), 145-152, 2001.

3) **Kassab A** and Sugita S. Study of the distribution of retinal blood vessels in buffaloes (Bos *bubalis*). Journal of Veterinary Medical Science 63, 917-920, 2001.

4) **Kassab A**, Aoyama M, Sugita S. Quantitative study of the optic nerve in buffaloes (Bos *bubalis*). Animal Science Journal 73, 59-65, 2002.

5) **Ahmed Kassab** and Ihab El-Zoghby. The anatomy of the Iridocorneal angle of the eye of the camel (*Camelus dromedarius*). Zagazig Veterinary Journal 31(2), 12-20, 2003.

6） **Ahmed Kassab**. Normal Study on the Computed Tomographical Anatomy of the Thorax of the Wild African Fennec (*Fennecus zerda*). Benha Veterinary Medical Journal. 17 (2)187-199, 2006.

7) M.G. Shalan, W.Dh. Abd Ali[2], H.A. Whab, M.S. Mostafa, M. Hassouna , S.E. Hassab El-Nabi, **A.A. Kassab**. Improving of lead toxicity on rat liver under heat stress conditions. Menofyia Medical Journal 15 (1), 31-46, 2006.

8) **Ahmed Kassab** and Hazim Wahab. Effect of Ciprofloxacin on renal cortex of rabbits and the role of vitamin c as protective agent: Anatomical, histological, Histochemical and Immunohistochemical study. Veterinary Medical Journal, Giza. 55 (3) 819-834, 2007.

9) **Ahmed Kassab**. Magnetic resonance imaging of the normal brain of buffaloes (*Bos bubalis*). Benha Veterinary Medical Journal. 18 (1) 47-61, 2007.

10) **Ahmed Kassab** and Hatem Bahgaat. Magnetic Resonance Imaging and cross sectional anatomy of the brain of the fox (*Vulpes vulpes*). Veterinary Medical Journal, Giza. 55 (3)779-786, 2007.

11) Hatem Bahgaat and **Ahmed Kassab**. Normal Study on the Computed Tomographical Anatomy of the Head of the sheep. Veterinary Medical Journal, Giza. 55 (3)745-761, 2007.

12) **Ahmed Kassab**. The Normal Anatomical, Radiographical and Ultrasonographic Appearance of the Carpal Region of One-humped Camel (Camelus dromedarius). Anatomia Histologia Embryologia 37(1), 24-29, 2008.

13) **Ahmed Kassab**, Kareem Fargani and Saad Shousha. Morphology of Blood Cells, Liver and Spleen of the Desert Tortoise (*Testudo graeca*). The Open Anatomy J., 1, 1-10, 2009.

14) **Ahmed Kassab** and Ihab El-Zoghby. Anatomical and Histological Studies of the Aqueous Outflow System in the Eye of Goat *(Capra hircus)*. Journal of Veterinary Anatomy,3, 13-22, 2010.

15) **Ahmed Kassab** and Ihab El-Zoghby. The Pars Distalis (Anterior Pituitary) in One-Humped Camel (*Camelus dromedarius*): A Morphological Study. LUCRĂRI ŞTIINŢIFICE, VOL. 53 MEDICINĂ VETERINARĂ, PARTEA 1/2 EDITURA, ION IONESCU DE LA BRADǁ, IAŞI, 183-194, 2010.

16) **Ahmed Kassab** and Ihab El-Zoghby. Comparative Morphometric Study of the Optic Nerve in One-humped Camel (*Camelus dromedarius*) and Donkey (*Equus asinus*). Journal of Veterinary Anatomy,3, 23-33, 2010.

17) **Ahmed Kassab** and Ihab El-Zoghby. Microscopic Observations on the Lung of Quail (*Coturnix coturnix*):Pre-Hatching studies. Benha Vet. J., 21, 67-72, 2010.

18)) **Ahmed Kassab**. Magnetic Resonance Image and Cross Sectional Anatomy of the Normal Brain of the Goat (*Capra hircus*). Emirate J. Agri. 23 (4), 375-380, 2011.

19) **Ahmed Kassab**, Adel Badawy. Ultrasonographic anatomy of the patellar ligaments before and after medial patellar desmotomy in buffaloes *(Bos bubalis).* Emirate J. Agri. 23 (5), 460-465, 2011.

20) **Ahmed Kassab**. Light and electron microscopic study on the vomeronasal organ of the buffalo *(Bos bubalis)*. Global Veterinaria 8 (5) 491-497, 2012.

21) G. Christodoulopolus, **Ahmed Kassab** and G. Theodoropoulos. Non-cerebral coenurosis in sheep. J. Helminthology,(Online,doi:10.1017/S0022149X1100085X). 2012(online at http://www.journals.cambridge.org/jhl).

22) **Ahmed Kassab**. Ultrasonographic and macroscopic anatomy of the enucleated eyes of the buffalo *(Bos bubalis)* and the one-humped camel *(Camelus dromedarius)* of different ages. Anatomia Histologia Embryologia 41(7-11) 2012.

23) Anwar El-shafey, **Ahmed Kassab**. Computed tomography and cross sectional anatomy of the metatarsus and digits of one-humped camel (Camelus dromedarius) and the buffalo *(Bos bubalis)*. Anatomia Histologia Embryologia (Online, DOI:

10.1111/j.1439-0264.2012.01174.x)**2013** (http://onlinelibrary.wiley.com/doi/10.1111/j.1439-0264.2012.01174.x/abstract).

24) Georgos Christodoulopolus, **Ahmed Kassab**. Goat Coenurosis. Vet. Parasit., (Under press).2013

25) Ibrahim Belal, H. Asem, **Ahmed Kassab**. Dietary Effect of date pits on Telapia. Fish Nutrition (Under press). 2013

26) M. S. Sherif, M. Attia, H. Bahgaat and **A. Kassab.** Magnetic Resonance Imaging of the Normal Stifle Joint in Buffaloes (*Bos bubalis*): An Anatomic Study. (In Review)

B) Conferences, Symposiums and Workshops

1- **Ahmed Kassab**, Masato Aoyama and Shoei Sugita. The morphology of the iridocorneal angle of the eye of the buffalo (Bos bubalis): A light and scanning electron microscopic study. Abstracts of the 130th Annual Meeting of the Japan Society of Veterinary Sciences. The Journal of Veterinary medical Science. P. 90. [Osaka Prefecture University, Osaka, Japan. October 7-9, 2000].

2- **Ahmed Kassab**, Masato Aoyama and Shoei Sugita. Quantitative Study of the Optic Nerve in Buffaloes (*Bos bubalis*). Abstracts of the 98th Annual Meeting of the Japan Society of Animal Sciences. Animal Science Journal. P. J137. [Tohuku University, Sendi, Japan. March 28-30, 2001].

3- Technology Workshops

1-Using Technology in Classrooms from 26-7-2008 to 1-8-2008
2- Web Publishing using Front Page. from 29-7-2008 to 4-8-2008
3- Presentations from 26-10-2008 to 1-11-2008
4- Microsoft Outlook (in UAEU) from 28-11-2010 to 1-12-2010

Research experience and interest

1. Radiographic Anatomy

I have published international papers using radiographic anatomy with special reference to **Ultrasonography, Computed tomography (CT) and Magnetic resonance Image (MRI)**

2. Electron microscopy

My background in **microscopy and image analysis** which has widen my research interest and participated in research areas using scanning electron microscopy, X-ray microanalysis and image mapping from various biological specimens.

3. Embryo transfer

I have utilized my experience in **Embryo transfer** in collaboration with researchers in the Department of Animal breeding and reproduction, Faculty of Agriculture, Utsunomiya University in Japan with reference to **the use of cryopreserved bovine oocytes in nuclear transfer and in vitro fertilization.**

4. Molecular biology

I have utilized my experience in molecular biology in collaboration with researchers in the Department of Biology and other departments in Japan in relationship to nucleic acids and proteins using fungi, bacteria and animals as models.

Competencies:

1. Scanning and transmission electron microscope.

2. Competence and excellence in teaching a wide range of courses in the new biological sciences.

3. Good experiences in management and treatment of animals since I am the responsible of the university farm in UAEU.

4.Good written and oral communication skills in English.

5. Evidence of community service and scholarly activities.

6- Regular reviewer in ***Anatomia Histologia Embryologia*** Journal.

Specialized trainings

1- Scanning electron microscope.
2- Transmission electron microscope.

Courses Taught:

During the past twenty years I worked at many institutions as Faculty of Veterinary Medicine, Egypt; Faculty of Science in Libya and the Department of Aridland Agriculture, College of Food and Agriculture, UAE University, I taught and developed a variety of courses. A summary of the courses taught are:

1-Anatomy and physiology
2-Introductory physiology
3-Dissection of the thoracic limb in cattle and horse
4-Dissection of the hind limb in cattle and horse
5- Dissection of the abdomen and thorax
6- Dissection of the head and neck
7- Comparative anatomy
8- Anatomy of the Nervous system
9- Embryology
10- Avian anatomy
11- Animal Histology
12- Animal Physiology
13- Biology
14- Camel management
15- Sheep and Goat production
16- Egg production
17- Veterinary Imaging
18- clinical and applied anatomy
19- Veterinary parasitology
20- Veterinary Surgery
21- Reproductive physiology
22- Introduction to poultry sciences
23- Organic animal production.

24- Introduction to Fish and animal sciences.
25- Production Medicine

Funded On-going research project

1-Co-Investigator (External Funded Project – ADFCA and Aldahra 2012-2013(1000000 dhs) With prof. Ghaleb Alhadrami, UAEU and Prof. Morrie Craig, OSU) and others about **Determining the Physiological Effects of Endophyte-Infected Perennial Ryegrass Hay on Camels in the United Arab Emirates (UAE)**.

2-Co- Investigator (internal UAE University Fund. 5000 dhs) about Non-Cerebral coneurosis. With dr/Georgios Christo. 2012

Working Experience as Veterinarian

- Examine animals to determine nature of disease or injury and treat animal surgically or medically.
- Advise animal owners about sanitary measures, feeding, and general care to promote health of animals.
- Carry out diagnostic tests, such as X-rays, blood samples and ultra-sound.
- Immunize animals against different forms of disease.
- Promote the need for animal identification and control within the community.
- Develop policies and procedures used in the care, security, prognosis and euthanasia of captured and unclaimed animals.

COMPUTER

- Good knowledge of: Microsoft Office 2007(Word, Excel, Power Point), Photoshop, Canvas, SPPC.

PERSONAL

- Bilingual: Arabic and English.
- Available to relocate.
- Interest in reading and research.
- Good organizational, analytical, and problem solving skills.
- ******** References available upon request.**