

CURRICULUM VITAE**Prof. Dr. Mohamed Gomaa Tawfik Abdellatif****BVSc, MVSc, PhD****Academic Title**

Professor and Head of Anatomy and Embryology Department, Faculty of Veterinary Medicine, Beni-Suef University, Beni-Suef 62511, Egypt.

Education

Veterinary Medical Sciences.

BVSc.

Bachelor degree of Veterinary Medical Sciences, Cairo University, Beni-Suef branch, Egypt, 2001.

MVSc.

Master of Veterinary Medical Sciences (Anatomy and Embryology) from Beni-Suef University, Egypt, 2007.

PhD

Philosophy of Doctorate in Anatomy and Embryology, A Joint supervision from Virginia Tech, USA and Beni-Suef University, Egypt, 2011.

Contact Info.**Emails:**

mgtawfik@vet.bsu.edu.eg
mgtawfik@yahoo.com
mgtawfik1@gmail.com

Phone #:

+2 011 19646 469

Work phone/Fax #:

+2 082 2327 982

Office Address:

Department of Anatomy and Embryology, Faculty of Veterinary Medicine, Beni-Suef University, Beni-Suef 62511, Egypt.

BIO STATEMENT:

- My bachelor degree (2001) in Veterinary Medical Sciences from Faculty of Veterinary Medicine, Cairo University, Beni-Suef branch, Egypt. Master degree (2007) in Veterinary Medical Sciences (Anatomy and Embryology) from Faculty of Veterinary Medicine, Beni-Suef University, Egypt.
- I had a joint supervision mission funded from the Egyptian Ministry of Higher Education for two years from 01/03/2009 to 28/03/2011 at Virginia Maryland (VA-MD) Regional College of Veterinary Medicine, Virginia Polytechnic Institute and State University, Blacksburg Campus, Blacksburg 24060, Virginia (VA), United States of America. PhD entitled "Preparation of audiovisual aids for use in teaching Veterinary Anatomy."
- Currently I'm a Professor of comparative animals Anatomy and Embryology at Faculty of Veterinary Medicine, Beni-Suef University, Beni-Suef 62511, Egypt. I am a veterinary anatomist; I developed a veterinary anatomy software including the Electronic Atlas of Sheep Anatomy (EASA) and 3D skeleton of sheep (a part from my PhD thesis) and an electronic atlas of birds' gross anatomy (a part of my supervised candidate's PhD thesis).
- I was a member of postdoctoral research mission funded by the Egyptian Ministry of Higher Education for six months from 17/09/2016 to 15/03/2017 at the morphological analysis unit, Centre of animal biotechnology and gene therapy (CBATEG), Department of Anatomy and animal health, Faculty of Veterinary Medicine, Autònoma University of Barcelona, Bellaterra, Barcelona 08193, Spain.

PERSONAL DETAILS:

Full name: Mohamed Gomaa Tawfiek Abdellatief
Date of birth: 01/08/1979
Place of Birth: Beba, Beni-Suef Governorate, Egypt
Marital status: Married and have four children
Personal website: <http://www.bsu.edu.eg/homepage.aspx?Pid=190>
Google scholar: <https://scholar.google.com.eg/citations?user=MHm2bpcAAAAJ&hl=en>
ResearchGate: https://www.researchgate.net/profile/Mohamed_Tawfiek
Scopus ID: 56986568000
Researcher ID: K-4864-2017
Orchid ID: <https://orcid.org/0000-0002-1254-4529>
LinkedIn: <https://www.linkedin.com/in/dr-mohamed-tawfiek-17918b31/>
Emails: mgtawfiek@vet.bsu.edu.eg,
mgtawfiek@yahoo.com,
mgtawfiek1@gmail.com

ACADEMIC DETAILS – HIGHER EDUCATION:

1st September, 2001: **Bachelor degree (BVSc.)** in Veterinary Medical Sciences, Faculty of Veterinary Medicine, Cairo University, Beni-Suef branch, Egypt, Final grade: very good (77.06%).
20th June, 2007: **Master degree (MVSc.)** in Veterinary Medical Sciences (Anatomy & Embryology) Faculty of Veterinary Medicine, Beni-Suef University, Egypt. Dissertation title: "Some anatomical studies on the tail of the buffalo "*Bos Bubalis L.*"
16th May 2011: **Doctorate degree (PhD)** in Veterinary Medical Sciences (Anatomy & Embryology), Faculty of Veterinary Medicine, Beni-Suef University, Egypt in a joint supervision with the Biomedical Sciences and Pathobiology Department, Virginia–Maryland, Regional College of Veterinary Medicine, Virginia Polytechnic Institute and State University, Blacksburg Campus, Blacksburg 24060, Virginia (VA), USA. Dissertation Title: "*Preparation of audiovisual aids for use in teaching Veterinary Anatomy.*"

PROFESSIONAL AND EMPLOYMENT DETAILS:

18th November 2018 till now: **Head of Anatomy and Embryology Department,** Faculty of Veterinary Medicine, Beni-Suef University, Egypt.
28th July 2021: **Professor of Anatomy and Embryology,** Faculty of Veterinary Medicine, Beni-Suef University, Egypt.
26th June 2016: **Assistant Professor of Anatomy and Embryology,** Faculty of Veterinary Medicine, Beni-Suef University, Egypt.
28th June 2011: **Lecturer of Anatomy and Embryology,** Faculty of Veterinary Medicine, Beni-Suef University, Egypt.
22nd July 2007: **Assistant lecturer of Anatomy and Embryology,** Faculty of Veterinary Medicine, Beni-Suef University, Egypt.
19th May 2002: **Demonstrator of Anatomy and Embryology,** Faculty of Veterinary Medicine, Cairo University, Beni-Suef branch, Egypt.

LIST OF PUBLICATIONS:

Dissertations:

- [1]. **Tawfiek MG (2007)**. Some anatomical studies on the tail of the buffalo "*Bos Bubalis L.*" M.V.Sc. thesis, Faculty of Veterinary Medicine, Beni-Suef University, Egypt.
- [2]. **Tawfiek MG (2011)**. Preparation of audiovisual aids for use in teaching Veterinary Anatomy. PhD thesis, Faculty of Veterinary Medicine, Beni-Suef University, Egypt, in a joint supervision with Virginia–Maryland, Regional College of Veterinary Medicine, Virginia Tech, Blacksburg Campus, USA.

Articles from Dissertations:

- [1]. Gad MRA, Adam ZA, **Tawfiek MG (2009)**. Some anatomical studies on the arterial supply and venous drainage of the tail of the buffalo "*Bos Bubalis L.*" Beni-Suef Veterinary Medical Journal, 19(1): 11-17.
- [2]. Adam, Z.A., Gad, M.R.A., and **Tawfiek, M.G. (2009)**. Some anatomical studies on the nerve supply of the tail of the buffalo "*Bos Bubalis L.*" Beni-Suef Veterinary Medical Journal, 19(1): 18-22.

Original Articles:

- [1]. Abedellaah BA, Awaad AS, **Tawfiek MG**, Mousa MA, Bakr HA, Mahdy EA (2013). Ruminocoeal Anastomosis for Treatment of Recurrent Tympany: Experimental Study in Goats. Journal of the Egyptian Veterinary Medical Association, 73(1): 129–138.
- [2]. Awaad AS, Moawad KM, **Tawfiek MG (2014)**. Comparative Histo-morphological and Histochemical Studies on the Oesophagus of Nile tilapia "*Oreochromis niloticus*" and African catfish "*Clarias gariepinus*." Journal of Histology, 2014, Article ID 987041, 10 pages. Hindawi Publishing Corporation. <https://doi.org/10.1155/2014/987041>
- [3]. Awaad AS, **Tawfiek MG**, Moawad UK, Abdel Razek AH, Abedellaah BA (2015). Morphohistological and Surgical Anatomy of the Sinus Interdigitalis in Egyptian Native Breeds of Sheep. Beni-Suef University Journal of Basic and applied Sciences, 4(2):157–166. <https://doi.org/10.1016/j.bjbas.2015.05.010>
- [4]. Hagag U, **Tawfiek MG**, Brehm W. (2015). Systematic Arthroscopic Investigation of the Bovine Stifle Joint. The Veterinary Journal, 206(3): 338–348. **Impact Factor 2015: 1.753 (Q1)**. <https://doi.org/10.1016/j.tvjl.2015.09.006>
- [5]. Adam ZA, Awaad AS, **Tawfiek MG**, Ibrahim AH (2016). Gross Anatomy of the Narial and Labial Musculatures of One Humped Camel (*Camelus dromedarius*). Journal of Morphological Sciences, 33(4): 171-178. <https://doi.org/10.4322/jms.095715>
- [6]. Moawad UK, Awaad AS, **Tawfiek MG (2016)**. Histomorphological, Histochemical, and Ultrastructural Studies on the Stomach of the Adult African Catfish (*Clarias gariepinus*). Journal of Microscopy and Ultrastructure, 5(3): 155-166. <https://doi.org/10.1016/j.jmau.2016.08.002>
- [7]. Hagag U, **Tawfiek MG**, Brehm W, Gerlach K (2016). Computed Tomography of the Normal Bovine Tarsus. Anatomia, Histologia, Embryologia, 45(6): 469–478. **Impact Factor 2016: 0.731 (Q3)**. <https://doi.org/10.1111/ah.12233>
- [8]. Adam ZA, Ragab GA, Awaad AS, **Tawfiek MG**, Abdel Maksoud MKM (2016). Anatomical and Radiographical Studies on the Arterial Supply of the Udder in Goat and their Surgical Importance. Beni-Suef University Journal of Basic and Applied Sciences, 5(3): 291–298. <https://doi.org/10.1016/j.bjbas.2016.08.001>

- [9]. Adam ZA, Ragab GA, Awaad AS, **Tawfik MG**, Abdel Maksoud MKM (2016). Anatomical and Radiographical Studies on the Venous Drainage of the Udder in Goat with Special Reference to the Cranial Superficial Epigastric Vein. Beni-Suef University Journal of Basic and Applied Sciences, 5(3): 284–290. <https://doi.org/10.1016/j.bjbas.2016.08.002>
- [10]. Adam ZA, Ragab GA, Awaad AS, **Tawfik MG**, Abdel Maksoud MKM (2017). Gross Anatomy and Ultrasonography of the Udder in Goat. Journal of Morphological Sciences, 34(3): 137-142. <https://doi.org/10.4322/jms.105316>
- [11]. Hagag H, **Tawfik MG** (2018). Blind Versus Ultrasound-guided Maxillary Nerve Block in Donkeys. Veterinary Anaesthesia and Analgesia, 45(1): 103-110. **Impact Factor 2019: 1.368 (Q2)**. <https://doi.org/10.1016/j.vaa.2017.06.006>
- [12]. Hagag H, **Tawfik MG** (2018). Ultrasonography, Computed Tomography and Magnetic Resonance Imaging of the Bovine Metacarpo/metatarsophalangeal Joint. The Veterinary Journal, 233: 66–75. **Impact Factor 2019: 2.115 (Q1)**. <https://doi.org/10.1016/j.tvjl.2018.01.001>
- [13]. Mahmoud HH, Gad MR, Awaad AS, **Tawfik MG** (2018). Morphological Characteristics of the Oviduct in Egyptian Balady Duck (*Anas boschas domesticus*) during Laying Cycle. Journal of Veterinary Medical Research, 25(1): 1-10. <https://doi.org/10.21608/JVMR.2018.43298>
- [14]. Mahmoud HH, Gad MR, Awaad AS, **Tawfik MG** (2018). Development of an Interactive Three-dimensional Virtual Skeleton of Birds for Use in Anatomical Education. Journal of Veterinary Medical Research, 25(1): 100-106. <https://doi.org/10.21608/JVMR.2018.43306>
- [15]. Hagag U, **Tawfik MG**, Brehm W (2019). Palmar Arthroscopic Approach and Intra-articular Anatomy of the Bovine Carpal Joints. Veterinary Surgery, 48(4): 537-545. **Impact Factor 2019: 1.255 (Q2)**. <https://doi.org/10.1111/vsu.13149>
- [16]. Ibrahim AH, Adam ZE, **Tawfik MG** (2019). Cross-sectional Anatomy, Magnetic Resonance Imaging and Computed Tomography of Fetlock Joint in Camel. Journal of Veterinary Medical Research, 26(2): 258–270. <https://doi.org/10.21608/JVMR.2019.67969>
- [17]. Ibrahim AH, Adam ZE, **Tawfik MG** (2019). Normal Cross-sectional Anatomy and Magnetic Resonance Imaging of Pastern and Coffin Joints in Camel. Journal of Veterinary Medical Research, 26(2): 271–279. <https://doi.org/10.21608/JVMR.2019.67970>
- [18]. Nabil TM, **Tawfik MG** (2020). Morphological Study of the Rabbit Gustatory Lingual Papillae during Postnatal Life by Light and Scanning Electron Microscopy. Anatomical Science International, 95(4): 455-469. **Impact Factor 2019: 1.512 (Q3)**. <https://doi.org/10.1007/s12565-020-00542-2>
- [19]. Al Mohamad ZA, Hagag U, **Tawfik MG**, El Nahas A (2021). Magnetic Resonance Imaging of the Normal Dromedary Camel Tarsus. BMC Veterinary Research, 17(Article number 101): 1-11. **Impact Factor 2019: 1.835 (Q1)**. <https://doi.org/10.1186/s12917-021-02811-2>
- [20]. **Tawfik MG**, Mahmoud HH (2021). Gross Morphology and Scanning Electron Microscopic Structure of the Oropharyngeal Cavity of the Domestic Geese (*Anser anser domesticus*). Journal of Veterinary Medical Research, 27(2): 190–202. <https://doi.org/10.21608/JVMR.2021.61981.1034>

University Awards for International Publishing:

- [1]. International publishing award, Beni-Suef University (2016): for research: Systematic arthroscopic investigation of the bovine stifle joint. The Veterinary Journal, 206(3): 338–348.
- [2]. International publishing award, Beni-Suef University (2018): for research: Computed tomography of the normal bovine tarsus. Anatomia, Histologia, Embryologia, 45(6): 469–478.
- [3]. International publishing award. Beni-Suef University (2019): for research: Ultrasonography, computed tomography and magnetic resonance imaging of the bovine metacarpo/metatarso-phalangeal joint. The Veterinary Journal, 233: 66–75.
- [4]. International publishing award, Beni-Suef University (2020): for research: Palmar Arthroscopic Approach and Intra-articular Anatomy of the Bovine Carpal Joints. Veterinary Surgery, 48(4): 537-545.
- [5]. International publishing award, Beni-Suef University (2021): for research: Morphological Study of the Rabbit Gustatory Lingual Papillae during Postnatal Life by Light and Scanning Electron Microscopy. Anatomical Science International, 95(4): 455-469
- [6]. International publishing award, Beni-Suef University (2022): for research: Magnetic Resonance Imaging of the Normal Dromedary Camel Tarsus. BMC Veterinary Research, 17(Article number 101): 1-11.

AREAS OF SCIENTIFIC INTEREST:

Scientific and research interest in the field of specialization clinical and applied Anatomy and Embryology). Applications of arthroscopy and diagnostic methods such as US, MRI and CT scans to examine the joints and various parts of the body of domestic animals. Preparation of audio-visual aids for use in teaching veterinary anatomy. Study of embryonic development and fetal malformations of animals' various body parts and study of surgical and clinical anatomy in domestic animals.

TEACHING AND SCIENTIFIC EXPERIENCES

- [1]. Weekly practical Lab courses of the gross and developmental anatomy as well as a technical assistance in the undergraduate training courses of applied anatomy to the first and second year students at department of Anatomy & Embryology, Faculty of Veterinary Medicine, Beni-Suef University, Egypt from 2003 till now.
- [2]. Weekly theoretical courses of the gross and comparative anatomy and development of the domestic animals to the first and second year students at department of Anatomy & Embryology, Faculty of Veterinary Medicine, Beni-Suef University, Egypt from 2011 till now.
- [3]. Assist in developing syllabus and overall course structure in the department and help in administration of grades for oral, practical and theoretical exams.
- [4]. Supervision on the scientific dissertations at department of Anatomy & Embryology, Faculty of Veterinary Medicine, Beni-Suef University, Egypt.

OTHER SKILLS

Languages: Arabic: native language, **English:** speak fluently and read/write with good proficiency.
Computer: User of many computer applications and software (i.e. Windows, Microsoft Office & Graphics). Developing e-learning software multimedia authoring tools, Macromedia Authorware, Flash professional 8, Adobe Photoshop, Quick Time Virtual Reality Authoring Studio, VR-Worx, Auto-play media studio 8, Director 8, FrontPage Software developing kits (SDK).

SUPERVISION OF SCIENTIFIC DISSERTATIONS

Master dissertations

- [1]. Master thesis of Vet. Tahany Gamal Korany Ahmed, demonstrator of Anatomy and Embryology, Faculty of Veterinary Medicine, Beni-Suef University, registered on 11/2020.

Thesis Title: "Preparation of dissection alternative modules demonstrating the surface anatomy of small ruminates head region."

Doctorate dissertations (Defensed)

- [1]. Doctorate thesis of Dr. Mohamed Kamal Marei Abdel-Maksoud, Assistant lecturer of Anatomy and Embryology, Faculty of Veterinary Medicine, Beni-Suef University, defense date; 10/2016. Thesis Title: "Descriptive and Applied Anatomy of the Udder in Goats."
- [2]. Doctorate thesis of Dr. Hebatallah Hamdi Mahmoud Sayed, Assistant lecturer of Anatomy and Embryology, Faculty of Veterinary Medicine, Beni-Suef University, defense date; 5/2018. Thesis Title: "Preparation of Anatomical Learning Modules using Domestic and Wild Birds."
- [3]. Doctorate thesis of Dr. Azza Ali Hassan Ibrahim, Assistant lecturer of Anatomy and Embryology, Faculty of Veterinary Medicine, Beni-Suef University, defense date; 12/2019. Thesis Title: "Advanced Anatomical Studies on the Distal Limb of Camels."

STUDENTS' ACTIVITIES

- A Leader of "THE BEST LIFE" students' family at Faculty of Veterinary Medicine, Beni-Suef University, in the academic year 2014-2015.

FACULTY COMMITTEES PARTICIPATION

- [1]. Member of the committee of student union elections in the academic year 2011-2012.
- [2]. Member of the committee on faculty cultural affairs from 2012-2013.
- [3]. Member of the committee responsible to edit the rules of procedure amendment (graduate and postgraduate students) of the Faculty of Veterinary Medicine, Beni-Suef University based on a decision of the dean of the college in March 2013.
- [4]. Program coordinator for the special Quality Assurance Unit Committees at the Faculty of Veterinary Medicine, Beni-Suef University, Egypt, from 2015-current.
- [5]. Member of the committee on faculty Education and students' affairs from 2015-2018.
- [6]. Member of the committee on faculty postgraduate's affairs from 2018 till now.
- [7]. Member of the faculty council from 1st January 2019 till now.

CONFERENCES AND SCIENTIFIC EVENTS ATTENDANCE

- [1]. Fourth Scientific Conference of the Faculty of Veterinary Medicine, University of Beni-Suef entitled "Future of the livestock in Egypt in light of the GATT" in the period from September 24 to 27, 2005.
- [2]. Annual Scientific Conference of the thirty-second of the Egyptian Society for Science anatomical at guesthouse of the faculty of Medicine, Ain Shams University on Thursday, December 4, 2008.
- [3]. The Conference of Research Excellence: Standards, Tasks and Societal Yield, held at Beni-Suef University on Tuesday, June 17, 2014.
- [4]. Conference of "Egypt invents 2015," held at University of Beni-Suef on March 8, 2015.
- [5]. Symposium of "Mechanisms of attracting visiting professors," held at the Faculty of Veterinary Medicine, University of Beni-Suef on Sunday, 8 November 2015.
- [6]. A seminar entitled "Ethics and Guidelines for Use of animals in scientific research," in session at Faculty of Veterinary Medicine, University of Beni-Suef on Tuesday, 8 December 2015.
- [7]. The first student conference of the Faculty of Arts entitled "Student Activities and its Role in the Development of Creativity and Entrepreneurial Thinking", held at the Faculty of Arts, Beni-Suef University, on Sunday, March 27, 2016.
- [8]. Scientific symposium entitled "Nano-Biosensors: overview, application and prospects," held at the Faculty of Veterinary Medicine, University of Beni-Suef on Tuesday 9 May 2017.

- [9]. Online training course entitled: "Teaching Veterinary Anatomy and Histology during Covid-19 pandemic, challenges and solutions." conducted on 11 March 2021, 3 hours by ACCSPM Center, Malaysia.
- [10]. Online workshop entitled: "The International workshop on successful international experiences of online education and challenges in light of the COVID-19," held on 12 March 2021.
- [11]. International Plastination Society (ISP) Online Interim Meeting, held on April 26-28th 2021,"

EDUCATIONAL TRAINING COURSES AND WORKSHOPS

- [1]. Scientific Research and preparation of Scientific Proposals, Faculty of Pharmacy, Beni-Suef University, on 18-22/07/2006.
- [2]. Enhancement of effective communication skills, Faculty of Pharmacy, Beni-Suef University, on 25-27/07/2006.
- [3]. Education Technology Course, Faculty of Pharmacy, Beni-Suef University, on 12-14/08/2006.
- [4]. Enhancement of Interactive Display Skills, Faculty of Pharmacy, Beni-Suef University, on 19-21/08/2006.
- [5]. International Computer Driving License (I.C.D.L.) approved by UNISCO organization on 23/08/2007 with Serial # UN 0704 6029.
- [6]. Preparation of Scientific lecturer, Faculty and Leadership Development Project (FLDP) at Beni-Suef University, on 26/8-11/9/2007.
- [7]. Financial and legal aspects in college business, Faculty and Leadership Development Project (FLDP) at Beni-Suef University, on 19-21/03/2011.
- [8]. Effective Presentation Skills, Faculty and Leadership Development Project (FLDP) at Beni-Suef University, on 22-24/03/2011.
- [9]. Quality standards in the teaching process, Faculty and Leadership Development Project (FLDP) at Beni-Suef University, on 5-7/04/2011.
- [10]. Project preparation for competitive research funding, Faculty and Leadership Development Project (FLDP) at Beni-Suef University, on 8-10/04/2011.
- [11]. International publication of scientific research, Faculty and Leadership Development Project (FLDP) at Beni-Suef University, on 15- 17/04/2011.
- [12]. Institutional Self-Evaluation for Higher Education Institutions, from 5-6 April 2014, approved from National Authority for Quality Assurance and Accreditation of Education (NAQAAE).
- [13]. Program specification and curriculum maps for Higher Education Institutions, from 15-16 April 2014, National Authority for Quality Assurance and Accreditation of Education (NAQAAE).
- [14]. The Effective Learning for Higher Education Institutions, from 17-18 April 2014, approved from National Authority for Quality Assurance and Accreditation of Education (NAQAAE).
- [15]. External review for Higher Education Institutions, from 26-27 April 2014, approved from National Authority for Quality Assurance and Accreditation of Education (NAQAAE).
- [16]. Strategic planning for Higher Education Institutions, from 3-4 May 2014, approved from National Authority for Quality Assurance and Accreditation of Education (NAQAAE).
- [17]. Financial and legal aspects in college business, Beni-Suef University Center of Human Resources Development (CHRD), from 13-14/3/2016.
- [18]. Effective presentation skills (Advanced), Beni-Suef University Center of Human Resources Development (CHRD), from 15-16/3/2016.
- [19]. Project preparation for competitive research funding, Beni-Suef University Center of Human Resources Development, from 15-16/3/2016.
- [20]. Credit hours, Beni-Suef University Center of Human Resources Development (CHRD), from 27-28/3/2016.
- [21]. University Management, Beni-Suef University Center of Human Resources Development (CHRD), from 5-6/4/2016.

- [22]. Integrity, transparency and anti-corruption, intensive training course at Beni-Suef University Center of Human Resources Development (CHRD), from 13-14/09/2020.
- [23]. Use of technology in teaching, intensive training course at Beni-Suef University Center of Human Resources Development (CHRD), from 22-23/09/2020.
- [24]. Competitive research projects, intensive training course at Beni-Suef University Center of Human Resources Development (CHRD), from 29-30/09/2020.
- [25]. University management, intensive training course at Beni-Suef University Center of Human Resources Development (CHRD), from 13-14/10/2020.
- [26]. University legal and financial aspects, intensive training course at Beni-Suef University Center of Human Resources Development (CHRD), from 15-16/11/2020.
- [27]. Organising scientific conferences, training course at Beni-Suef University Center of Human Resources Development (CHRD), from 17-18/11/2020.
- [28]- Fundamentals of Digital Transformation Certificate (FDTC): (Fundamentals of IT "BIT 01", Operating System "BIT02", Word Processing "BIT 03", Presentations "BIT 04", Spreadsheets "BIT 05", Mobile Applications "BIT09", Photoshop "BIT10"). Centre of Technology and Information, Beni-Suef University from 01-18 March 2021.

REFERENCES:

- [1]. **Prof Dr. Bonnie, J. Smith**, Associate Professor of Anatomy and Embryology, Biomedical Sciences and Pathobiology Department, Virginia–Maryland, Regional College of Veterinary Medicine, Virginia Tech, Blacksburg Campus, United States of America (USA). Emails: bjsmith@vt.edu - iaonte@yahoo.com, voice: 540/231-9024, Fax: 540/231-6033.
- [2]. **Prof Dr. Jesus Ruberté Paris**, Full Professor in Animal Anatomy, Head of Mouse Imaging Platform (Morphological Analysis Unit, Centre of Animal Biotechnology and Gene Therapy (CBATEG), Department of Anatomy and Animal Health, Faculty of Veterinary Medicine, Autònoma University of Barcelona, Bellaterra, Barcelona 08193, Spain.
Email: jesus.ruberte@uab.cat, Phone: (+34) 93 5811043
- [3]. **Prof Dr. Zein Adam**, Professor emeritus of Anatomy and Embryology, Faculty of Veterinary medicine, Beni-Suef University, Egypt. Email: zeinadam1957@yahoo.com phone: 00201119646469

Last updated: February, 1st 2022

Mohamed Gomaa Tawfik