



CURRICULUM VITAE

AHMED ABDELHAFEZ ABDEEN, D.V.M, Ph.D

*PERSONAL DATA:

- **Name:** AHMED ABDELHAFEZ ABDEEN.
- **Date of Birth:** 28/09/1981.
- **Place of Birth:** Quesina, Monufiya, EGYPT.
- **Nationality:** Egyptian.
- **Address (Home):** Arab Elramel, Quesina - 32631, Monufiya, EGYPT.
- **Cell Phone:** (+2) 01000222986
- **E-mail:** Ahmed.Abdeen@fvtm.bu.edu.eg
drahmedforensic@yahoo.com

* CURRENT INSTITUTIONAL AFFILIATION:

- **Title:** Lecturer of Forensic Medicine and Toxicology.
- **Office:** Department of Forensic Medicine and Toxicology, Faculty of Veterinary Medicine, Benha University.
- **Address:** Moshtohor, Takh - 13736, Qalyuobia, EGYPT.
- **TEL Fax:** (+2) 0132463074 & 0132460640.

*EDUCATION:

Conferring Institution	Degree	Field	Year
American University of Continual Education	Diploma degree	Analytical Statistics	2017
Faculty of Veterinary Medicine, Benha University, EGYPT .	First year in Master degree of Veterinary Sciences (<i>total grade: very good</i>)	Biochemistry	2016
Faculty of Agriculture, University of Miyazaki, JAPAN . Faculty of Veterinary Medicine, Benha University, EGYPT .	Ph.D of Veterinary Sciences (<i>Joint Ph.D program between Egypt and Japan</i>)	Toxicology	2014
Faculty of Veterinary Medicine, Benha University, EGYPT .	Master degree of Veterinary Sciences (M.V.Sc.)	Forensic Medicine	2008
Faculty of Veterinary Medicine, Monofiya University, EGYPT .	Bachelor of Veterinary Sciences (B.V.Sc.) " <i>Very good</i> "	Veterinary Medicine	2003

*ACADEMIC APPOINTMENTS :

Institution	Position	Date
Faculty of Veterinary Medicine, Benha University, EGYPT .	Lecturer at department of Forensic Medicine & Toxicology.	2016
Faculty of Agriculture, University of Miyazaki, Japan .	Post-doctoral fellow at department of Veterinary Pharmacology.	2015
Faculty of Veterinary Medicine, Benha University, EGYPT .	Lecturer at department of Forensic Medicine & Toxicology.	2014
Faculty of Agriculture, University of Miyazaki, Japan .	Doctoral fellow at department of Veterinary Pharmacology.	2012

College Of Veterinary Medicine and Biomedical Sciences, TEXAS A & M University, Texas, USA .	Visiting researcher at department of Veterinary Integrative Biosciences.	2011
Faculty of Veterinary Medicine, Benha University, EGYPT .	Assistant lecturer at department of Forensic Medicine & Toxicology.	2008
	Demonstrator at department of Forensic Medicine & Toxicology.	2005

***CLINICAL SPECIALTY/ BOARD CERTIFICATION:**

- Licensed by Egyptian Ministry of Health (**D.V.M**) in 2003.
- Working in clinical veterinary Fields since 2003.

***SCIENTIFIC INTERESTS:**

- Cancer and cancer exosome (biomarker discovery, metastasis, and therapy).
- Kidney Aquaporins.
- Urinary exosomes as a new source of biomarkers for diagnosis of acute and chronic kidney injury.
- Environmental pollution (was focusing on the effects of methylmercury on zebrafish (*Danio rerio*) brain development).
- Using natural antioxidants as protective agents against toxicity elaborated from environment pollutants.
- Neuronal morphology in the brains of mice that carried a mutation in calcium ion channels.
- Forensic medicine (establishing new methods for identification of animal meat species).

***SKILLS:**

Methodological skills:

- Western Blot technique.
- Real-time PCR, RT-PCR, and RFLP-PCR techniques.
- SNP analysis (Single-nucleotide polymorphism).
- Protein, DNA, and RNA extraction.
- Urinary exosomes isolation.
- Histopathology (Paraffin embedding, sectioning, staining, digital imaging, and scoring).
- Immunohistochemistry.
- Golgi-Cox staining technique for neurons.
- Zebrafish breeding and Zebrafish embryo culturing.
- Morphometric analysis using light microscope and NIH Image J analysis computer program.
- Statistical analyses.

Language Skills:

Language	Reading	Speaking	Writing
1- Arabic	Mother tongue	Mother tongue	Mother tongue
2- English	Very good	Very good	Very good
3- Japanese	Hiragana and Katakana	Good	Hiragana and Katakana

- I got **iBT TOEFL** Test.
- I got **ITP TOEFL** Test.

***AWARDED SCHOLARSHIPS, HONORS:**

- Honored two times by Benha University for the best research papers published in international journals in 2015 and in 2016.
- *Post-doctoral scholarship* at *University of Miyazaki, JAPAN* (2015), sponsored by Ministry of Higher Education, Egypt.
- Scholarship of *Joint Supervision PhD Program* at *University of Miyazaki, JAPAN* (2012), sponsored by Ministry of Higher Education, Egypt.
- *ParOwn Scholarship* (2011) at department of Veterinary Integrative Biosciences, College of Veterinary Medicine and Biomedical Science, *Texas A&M University, USA*. Sponsored by European Union.
- Highly productive researcher in Prof. Louise Abbott's teamwork, *Effect of Methylmercury Exposure on Zebrafish Development Project*, College of Veterinary Medicine and Biomedical Science, *Texas A&M University, USA*, 2012.

*** CONFERENCES :**

- 1- The 1st annual conference of clinical toxicology. Urinary Exosomes: A Promising Future in Biomarkers Discovery for Nephrotoxicity. Cairo University, **Egypt**, Sep 22nd-23rd, 2016.
- 2- The 2nd International Joint Seminar between Egypt and Japan. Environmental toxicity and mental health. Damanhour University, Behaira, **Egypt**, April-2016.
- 3- International Joint Conference between Cairo University, **Egypt** and Hamburg University, **Germany**. Gender Based Violence. Cairo, **Egypt**, Nov-2015.
- 4- The 8th Kyushu Regional Meeting of the Japan Transporter Research Association, Kagoshima, **Japan**, July-2015.
- 5- The 57th Annual Meeting Japanese Society of Nephrology. Pacifico Yokohama Conference Center, Yokohama, **Japan**, July-2014

***RECENT PUBLICATIONS:**

- 1- Ahmed Ghonim, **Ahmed Abdeen**, Ragab El-Shawarby, Nabila Abdel-Aleem, Elham El-Shewy, Mohamed Abdo, and Ehab Abdelhiee. Protective effect of cinnamon against cadmium-induced hepatorenal oxidative damage in rats. *International Journal of Pharmacology and Toxicology*, 5:17-22, 2017.
- 2- Ashraf Elkomy, Mohamed Aboubakr, **Ahmed Abdeen**, and Haitham Hekal. Paracetamol induced hepatorenal toxicity and amelioration by cinnamon in Rats. *International Journal of Pharmacology and Toxicology*, 4: 187-190, 2016.
- 3- Rania Waheed ,Bakery H , El-shawarby R. M, Abu Salem M, Nabila Abd Elalim, and **Ahmed Abdeen**. Toxicological effect of mercury on antioxidant enzymes and heat shock protein 70 in thermal stressed Nile tilapia (*Oreochromis niloticus*). *Benha Veterinary Medical Journal*, Jan-2016.
- 4- Ehab Abd El-Hiee, Ayman Farid, Hatem Bakry, Mohamed AbouSalem, Ragab El-Shawarby, Nabila Abdel-Aleem, **Ahmed Abdeen**. Ameliorative Effect of Ginger Extract on Monosodium Glutamate-Induced Oxidative Stress in Male Rats. *Benha Veterinary Medical Journal*, June-2016.
- 5- **Ahmed Abdeen**, Hiroko Sonoda, Sayaka Oshikawa, Yuya Hoshino, Hiroaki Kondo and Masahiro Ikeda. Acetazolamide enhances the release of urinary exosomal aquaporin-1. *Nephrol Dial Transplant*, 0: 1–10, 2016. (impact factor: 4.085)
- 6- **Ahmed Abdeen**, Hiroko Sonoda, El-Shawarby R, Saki Takahashi, Masahiro Ikeda. Urinary excretion pattern of exosomal aquaporin-2 in rats receiving gentamicin. *Am J Physiol Renal Physiol*. 307(11):F1227-37, 2014. (impact factor: 3.8)

7- Saki Takahashi, Kanako Muta, Hiroko Sonoda, Ayaka Kato, **Ahmed Abdeen**, Masahiro Ikeda. The role of Cysteine 227 in subcellular localization, water permeability, and multimerization of aquaporin-11. *FEBS Open Bio*. 18 (4):315-320, 2014. (impact factor: 2.1)

8- **Ahmed Abdeen**, Ikuo Kobayashi, Sonoda Hiroko, Go Kitahara, Masahiro Ikeda. A new method for rapid detection of the mutant allele for Chediak-Higashi syndrome in Japanese Black cattle. *J Vet Med Sci*. 75 (9):1237-1239, 2013. (impact factor: 0.8)

- Manuscripts that will be submitted for publication include:

1- **Ahmed Abdeen**. and Louise Abbott. Date palm fruit (*Phoenix dactylifera* L.) extract protects against methylmercury exposure to early zebrafish embryo (*Danio rerio*). To be submitted to International J. of Toxicology.

2- **Ahmed Abdeen**. and Louise Abbott. Morphologic effects of low dose methylmercury exposure on zebrafish embryos. To be submitted to Anatomia, Histologia, Embryologia.

***TEACHING EXPERIENCE:**

- Genotoxicity course for post-graduate students.
- Veterinary Forensic Medicine and Veterinary Toxicology for senior students.
- Summer training for sophomore, juniors, and seniors students.

***PROFESSIONAL MEMBERSHIPS:**

- The Society of Toxicology (SOT), USA.
- The Egyptian Society of Toxicology, Egypt.

***CURRENT RESEARCH PROJECTS:**

- Analysis of exosomal proteins derived from urine in puromycin aminucleoside-induced chronic kidney injury in the rat. (collaborative project between Egypt and Japan)
- Coordinator of ARMINET2 Project in the faculty of Veterinary Medicine, Benha University entitled "Genotyping and proteomic analysis of Brucella strains recovered from human and livestock in Egypt" funded by European Union (100,000 EURO).

***REFERENCES :**

Name	Title	Address
1- Prof. Louise C. Abbott	-Associate Professor -Director, Brain Development and Degeneration Program	Department of Veterinary Integrative Biosciences College Of Veterinary Medicine And Biomedical Sciences TEXAS A & M University, 4458 TAMU -College Station, Texas 77843-4458 U.S.A. -Phone: (+1) 979-845-2269 -Fax: (+1) 979-847-8981 -E.mail: labbott@cvm.tamu.edu
2- Prof. Mohamed Abo-Salem	-Professor of veterinary forensic medicine and toxicology. - Dean of the Faculty of Veterinary Medicine.	Department Of Veterinary Forensic Medicine And Toxicology. Faculty Of Veterinary Medicine. Benha University -Moshtohor, Toukh 13736, Qalyubia. EGYPT -Phone: (+2) 0132461411 -E.mail: mohamed.abosalem@fvtm.bu.edu.eg

3- Prof. Masahiro Ikeda	<ul style="list-style-type: none"> - Professor of pharmacology. - Head of department of Veterinary Medicine. 	Department Of Veterinary Pharmacology, Faculty Of Agriculture. University Of Miyazaki, 1-1 Gakuenkibanadai-nishi, Miyazaki, 889-2192 JAPAN -Tel/Fax: +81-985-58-7268 -E.mail: a0d302u@cc.miyazaki-u.ac.jp
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