

**FACULTY OF VETERINARY MEDICINE**

**BENHA UNIVERSITY**

**EGYPT**

# 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*](mailto: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, Tukh - 13736, Qalyuobia, EGYPT.

- **TEL Fax:** (+2) 0132463074 & 0132460640.

**\*EDUCATION:**

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| **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 *(total grade: very good)* | Biochemistry | 2016 |
| Faculty of Agriculture, University of Miyazaki, **JAPAN**.  Faculty of Veterinary Medicine, Benha University, **EGYPT**. | ***Ph.D*** of Veterinary Sciences (*Joint Ph.D program between* ***Egypt*** *and* ***Japan***) | 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****.)* "*Very good*” | Veterinary Medicine | 2003 |

**\*ACADEMIC APPOINTMENTS :**

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| **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.

- Morphometeric analysis using light microscope and NIH Image J analysis computer program.

- Statistical analyses.

***Language Skills:***

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| **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 Methymercury 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:**

Ameliorative Effect of Ginger Extract on Monosodium Glutamate-Induced

Oxidative Stress in Male Rats

Ehab Yahya Abd El-Hiee

1,\*

, Ayman Samir Farid

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, Hatem Hussein Bakry

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Mohamed El-Said Abou Salem

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, Ragab Mahmoud El-Shawarby

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, Nabila

Mahmoud Abdel-Aleem

1

, Ahmed Abdel-Havez

Ameliorative Effect of Ginger Extract on Monosodium Glutamate-Induced

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, Ragab Mahmoud El-Shawarby

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, Nabila

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1

, Ahmed Abdel-Havez

Ameliorative Effect of Ginger Extract on Monosodium Glutamate-Induced

Oxidative Stress in Male Rats

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 hepato-renal 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 (Oreochromisniloticus). *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- [**A**](http://www.ncbi.nlm.nih.gov/pubmed?term=Abdeen%20A%5BAuthor%5D&cauthor=true&cauthor_uid=25339697)**hmed Abdeen**,Hiroko Sonoda, [El-Shawarby R](http://www.ncbi.nlm.nih.gov/pubmed?term=El-Shawarby%20R%5BAuthor%5D&cauthor=true&cauthor_uid=25339697), Saki Takahashi, Masahiro Ikeda. Urinary excretion pattern of exosomal aquaporin-2 in rats receiving gentamicin. [*Am J Physiol Renal Physiol.*](http://www.ncbi.nlm.nih.gov/pubmed/25339697)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.*](http://www.ncbi.nlm.nih.gov/pubmed/24918044) 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.*](http://www.ncbi.nlm.nih.gov/pubmed/?term=A+new+method+for+rapid+detection+of+the+mutant+allele+for+Chediak-Higashi+syndrome+in+Japanese+Black+cattle)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 :**

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| **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*](mailto:mohamed.abosalem@fvtm.bu.edu.eg) |
| 3- Prof. **Masahiro Ikeda** | - 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* |

**Edited:** 2/2017