



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:** EGYPT.
- **Nationality:** Egyptian.
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- **Google scholar:** https://scholar.google.co.jp/citations?user=G0d_v5MAAAAJ&hl=en
- **Scopus:** <https://www.scopus.com/authid/detail.uri?authorId=56955067800>
- **Research Gate:** https://www.researchgate.net/profile/Ahmed_Abdeen6/research

* 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, Tuokh - 13736, Qalyuobia, EGYPT.
- **TEL Fax:** (+2) 0132463074 & 0132460640.

*EDUCATION:

Conferring Institution	Degree	Field	Year
Faculty of Veterinary Medicine, Benha University, EGYPT.	Master degree of Veterinary Sciences (<i>M.V.Sc.</i>)	Biochemistry	2019
American University of Continual Education	Professional Diploma	Research Statistics	2017
Faculty of Agriculture, University of Miyazaki, JAPAN. Faculty of Veterinary Medicine, Benha University, EGYPT.	<i>Ph.D</i> 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 (<i>M.V.Sc.</i>)	Forensic Medicine	2008
Faculty of Veterinary Medicine, Monofiya University, EGYPT.	Bachelor of Veterinary Sciences (<i>B.V.Sc.</i>) "Very good"	Veterinary Medicine	2003

*ACADEMIC APPOINTMENTS :

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

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

***CLINICAL SPECIALTY/ BOARD CERTIFICATION:**

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

***SCIENTIFIC INTERESTS:**

- Environmental pollution.
- Molecular mechanisms of environmental toxicants-induced immunosuppression.
- Biomarker and drug target discovery.
- Urinary exosomes as a new source of biomarkers for diagnosis of acute and chronic kidney injury.
- Kidney Aquaporins.
- Using natural antioxidants as protective agents against toxicity elaborated from environmental pollutants.

***SKILLS:**

Methodological skills:

- Chromatographic techniques (GC-MS/MS and LC-MS/MS for analyses of environmental contaminants).
- Atomic absorption (analysis of trace elements).
- 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:**

- Excellence in scientific publishing from Benha University for the best research papers published in international journals in 2015, 2016, 2017, 2018, and 2019, **EGYPT**.
- *Exchange visitor* at Lanzhou Veterinary Research Institute (2018) sponsored by Chinese Academy of Agriculture Science, **CHINA**.
- *Exchange visitor* at Lanzhou Veterinary Research Institute (2017) sponsored by Chinese Academy of Agriculture Science, **CHINA**.

- *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. **Ahmed Abdeen**, Amany Abdelnaby, Nabila Abdel-Aleem, and Ayman Hamid, Protective effect of *Tamarindus indica* seeds extract and coenzyme-Q10 against cadmium-induced hepatorenal toxicity in rats. The 6th International Conference, Faculty of Veterinary Medicine, Benha University, **EGYPT**, July 2018.
2. **Ahmed Abdeen**, Dina Elgazzar, Mohamed Abuobaker, and Ashraf Elkomy, Protective effects of rosuvastatin against NSAIDs-mediated oxidative damage and apoptosis in rat liver and kidney. The 6th International Conference, Faculty of Veterinary Medicine, Benha University, **EGYPT**, July 2018.
3. The 2nd International Sino-Egyptian Congress on Agriculture, Veterinary Sciences and Engineering, Urinary Exosomal AQP1 and ALIX proteomes: A Promising Sensitive and Noninvasive Biomarkers for Early Diagnosis of Gentamicin-Induced Nephrotoxicity. Benha University, **EGYPT**, Oct 7-10th, 2017.
4. The 1st annual conference of clinical toxicology. Urinary Exosomes: A Promising Future in Biomarkers Discovery for Nephrotoxicity. Cairo University, **EGYPT**, Sep 22nd-23rd, 2016.
5. The 2nd International Joint Seminar between Egypt and Japan, Environmental toxicity and mental health. Damanhour University, Behaira, **EGYPT**, April-2016.
6. International Joint Conference between Cairo University, **EGYPT** and Hamburg University, **GERMANY**. Gender Based Violence. Cairo, **EGYPT**, Nov-2015.
7. **Ahmed Abdeen**, Hiroko Sonoda, Hiroaki Kondo, and Masahiro Ikeda, Increased effect of acetazolamide on the excretion of urinary exosomal aquaporin-1 in rats. The 8th Kyushu Regional Meeting of the Japan Transporter Research Association, Kagoshima, **JAPAN**, July-2015.
8. **Ahmed Abdeen**, Hiroko Sonoda, and Masahiro Ikeda, Urinary exosome AQP2 excretion in rat model of gentamicin-induced renal injury. The 57th Annual Meeting Japanese Society of Nephrology. Pacifico Yokohama Conference Center, Yokohama, **JAPAN**, July-2014.
9. The 1st International Conference, Faculty of Veterinary Medicine, Benha University, Ras Sedr, Sinai, **EGYPT**, Sep 2004.
10. The 2nd International Conference, Faculty of Veterinary Medicine, Benha University, Ras Sedr, Sinai, **EGYPT**, Sep 2007.

*RECENT PUBLICATIONS:

Original articles:

11. **Ahmed Abdeen***, Omayma Abou-Zaid, Hussein Abdel-Maksoud, Mohamed Aboubakr, et al., Cadmium overload modulates piroxicam-regulated oxidative damage and apoptotic pathways, *Environmental Science and Pollution Research*, 2019. (Impact Factor: 2.8, *Corresponding)
12. Mohamed Abdel-Daim, Amany Sayed, **Ahmed Abdeen**, Lotfi Aleya, et al., Piperine enhances the antioxidant and anti-inflammatory activities of thymoquinone against microcystin-LR-induced hepatotoxicity and neurotoxicity in mice, *Oxidative med and cellular longevity*, 2019. (Impact Factor: 4.9)

13. Mohamed Abdel-Daim, Ismail Eissa, **Ahmed Abdeen**, Hany Abdel-Latif, et al., Lycopene and resveratrol ameliorate zinc oxide nanoparticles-induced oxidative stress in Nile tilapia, *Oreochromis niloticus*, *Environmental Toxicology and Pharmacology*, 69, 44–50, 2019. (Impact Factor: 2.8)
 14. **Ahmed Abdeen***, Aboubakr M, Elgazzar D, et al., Rosuvastatin attenuates piroxicam-mediated gastric ulceration and hepato-renal toxicity in rats, *Biomedicine and Pharmacotherapy*, 110, 895-905, 2019. (Impact Factor: 3.5, *Corresponding)
 15. **Ahmed Abdeen***, Abdelkader A, Abdo M, Wareth G, et al., Protective effect of cinnamon against acetaminophen-mediated cellular damage and apoptosis in renal tissue, *Environmental Science and Pollution Research*, 1, 240-249, 2019. (Impact Factor: 2.8, *Corresponding)
 16. Mohamed Abdel-Daim and **Ahmed Abdeen**, Protective effects of rosuvastatin and vitamin E against fipronil-mediated oxidative damage and apoptosis in rat liver and kidney. *Food and Chemical Toxicology*, 114: 69–77, 2018. (Impact Factor: 3.97)
 17. **Ahmed Abdeen**, Ahmed Ghonim, Ragab El-Shawarby, Nabila Abdel-Aleem, et al., Protective effect of cinnamon against cadmium-induced hepatorenal oxidative damage in rats, *International Journal of Pharmacology and Toxicology*, 5, 17-22, 2017.
 18. Ashraf Elkomy, Mohamed Aboubakr, **Ahmed Abdeen**, Haitham Hekal, Paracetamol induced hepato-renal toxicity and amelioration by cinnamon in Rats. *International Journal of Pharmacology and Toxicology*, 4, 187-190, 2016.
 19. Rania Waheed, Bakery H, El-shawarby R, Abou-Salem M, Abdel-Aleem N, **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.
 20. Ehab Abd El-Hiee, Ayman F, Hatem Bakry, Abou-Salem M, El-Shawarby R, Abdel-Aleem N, **Ahmed Abdeen**, Ameliorative Effect of Ginger Extract on Monosodium Glutamate-Induced Oxidative Stress in Male Rats. *Benha Veterinary Medical Journal*, June, 2016.
 21. **Ahmed Abdeen**, Hiroko Sonoda, Sayaka Oshikawa, Yuya Hoshino, Hiroaki Kondo, Masahiro Ikeda, Acetazolamide enhances the release of urinary exosomal aquaporin-1, *Nephrology Dialysis Transplantation*, 0, 1–10, 2016. (Impact Factor: 4.7)
 22. **Ahmed Abdeen**, Hiroko Sonoda, El-Shawarby R, Saki Takahashi, Masahiro Ikeda. Urinary excretion pattern of exosomal aquaporin-2 in rats receiving gentamicin. *American Journal of Physiology Renal Physiology*, 307, F1227-37, 2014. (Impact Factor: 3.7)
 23. 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, 315-320, 2014. (Impact Factor: 2.1)
 24. **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, *Japanese Veterinary Medical Science*, 75, 1237-1239, 2013. (Impact Factor: 0.9)
- Manuscripts under reviewing for publication include:
25. **Ahmed Abdeen** and Louise Abbott. Morphologic effects of low dose methylmercury exposure on zebrafish embryos. To be submitted to *Anatomia, Histologia, Embryologia*. (Impact Factor: 0.9)

26. **Ahmed Abdeen**, Hiroko Sonoda, and Masahiro Ikeda, Analysis of exosomal proteomes derived from urine in puromycin aminucleoside-induced chronic kidney injury in the rat. Will be submitted to *Kidney international*. (Impact Factor: 8.4)
27. **Ahmed Abdeen***, Afaf Abdelkader, Mohamed Aboubakr, Dina Elgazzar, et al., Protective effect of co-enzyme Q10 against piroxicam-induced oxidative damage in liver and kidney. Will be submitted to *Biomedicine and Pharmacotherapy*. (Impact Factor: 3.5, *Corresponding)
28. Seham Haddad, Basma Kamal, Ahmed E. Noreldin, **Ahmed Abdeen**, Sameh M. Farouk, Louise C Abbott, and Mohamed Abdo, Morphological and functional comparison of lingual papillae in suckling and adult feral cats: Forensic evidence, Submitted to *Anatomia, Histologia, Embryologia* (ID: AHE-03-19-OA-056). (Impact Factor: 0.9)

Review articles:

29. Sameh Abdelnour, Mohamed Abd El-Hack,....., **Ahmed Abdeen**, Mohamed Abdel-Daim, Impacts of rare earth elements on animal health and production: Highlights of cerium and lanthanum, *Science of the Total Environment*, 672, 1021–1032, 2019. (Impact Factor: 4.6)

- Manuscripts under preparation for publication include:

30. Andy Wai Kan Yeung, Mohamed Abdel-Daim, **Ahmed Abdeen**, Atanas Atanasov, A literature analysis on thymoquinone using a bibliometric approach. ready to be submitted to *Frontiers in Pharmacology*. (Impact Factor: 3.8)

Books:

31. Gamal Wareth, **Ahmed Abdeen**, et al. Brucellosis in the Mediterranean countries: History, prevalence, distribution, current situation and attempts at surveillance and control. *OIE Technical Series Brucellosis*, Vol 12, 2019.

Theses:

32. **Ahmed Abdeen**, Cadmium Exposure Potentiates the Piroxicam-Mediated Cellular Injury in Rat, Master's Thesis (Biochemistry and Clinical Biochemistry), Faculty of Veterinary Medicine, Benha University, Pp: 1-107, 2019.
33. **Ahmed Abdeen**, Urinary Exosomal Proteins as a New Class of Biomarkers for Nephrotoxicity, Ph.D Thesis (Toxicology), Faculty of Veterinary Medicine, Benha University, Pp: 1-94, 2014.
34. **Ahmed Abdeen**, Medico-Legal Studies on Prevalence and Detection of Meat Adulteration, Master's Thesis (Forensic Medicine), Faculty of Veterinary Medicine, Benha University, Pp: 1-90, 2008.

***TEACHING EXPERIENCE AND OTHER INSTITUTIONAL ACTIVITIES:**

- Gene expression, protein expression, and genotoxicity courses for post-graduate students.
- DNA profiling (fingerprinting) course for undergraduate and postgraduate students.
- Forensic Medicine for senior students.
- Toxicology for senior students.
- New technology for human and animal identification for undergraduate students.
- Summer training for sophomore, juniors, and seniors students.
- Journal club.

***PROFESSIONAL ACTIVITIES :**

- Improving the quality of research in our institute through convening series of workshops and seminars including how to make a good PowerPoint presentation, how to use citation manager (Mendely), how to do

statistical analyses using SPSS software, ImageJ software, how to write a sound scientific paper, and how to choose the appropriate journal for your publishing.

- Member of Projects Technical Support committee that provide services and consultations regarding announcing grants calls, revising grants application, teach young researcher how to write a sound proposals ...etc.
- Participation in setting the new research plans in our institute.

***PROFESSIONAL MEMBERSHIPS:**

- The Society of Toxicology (SOT), **USA**.
- The Egyptian Society of Toxicology, **EGYPT**.
- The Egyptian Society of Forensic Medicine, **EGYPT**.

***JOURNAL PEER REVIEWING:**

- Oxidative Medicine and Cellular Longevity.
- Environmental Science and Pollution Research.
- Animal Health Research Review.
- Current Pharmaceutical Design.
- Drug Design, Development and Therapy.
- Journal of Pain Research.
- Life sciences.
- Biomedical Science.
- Biomedical and Pharmacology Journal.
- Journal of Drug Metabolism and Toxicology.
- Indian Journal of Pharmaceutical Education and Research.
- Journal of Veterinary and Animal Research (JVAR).
- Benha Veterinary Medical Journal.
- Egyptian Journal of Basic and Clinical Pharmacology.

***FUNDED PROJECTS:**

S	Title	Role	Status	Duration	Fund	Funder
1	Excellence Screening Center for Environmental Toxicants in Food and Water	PI	Contracting stage	2019-2022	22,000,000 LE	STDF
2	Genotoxicity and Carcinogenicity of Fish and Canned Tuna Consumption as Main Sources for Methylmercury Exposure: Proteomic and Transcriptomic Study	PI	Ongoing	2017-2019	200,000 LE	Benha Univ
3	Detection and Control of Mycotoxins in Corn Crop and Corn Silage	Co-PI	Ongoing	2017-2019	200,000 LE	Benha Univ
4	Improvement of epidemiological and serological tools for diagnosis and control of Brucellosis in the Mediterranean region	Co-PI	Ongoing	2017-2020	2,000,000 LE	ARIMNET2 (Europe)
5	Agricultural Pollutants Removal in Fish Farms Using Agricultural By-Products-Synthesized Nanomaterial	PI	Under-review	/////	3,000,000 LE	STDF
6	Nanocomposite-Based Innovation of Novel Mycotoxins Binder: New Horizons	PI	Under-review	/////	4,000,000 LE	ASRT
7	Eco-Friendly Pesticides Against Pests of Medical, Veterinary, and Agricultural Importance	Co-PI	Under-review	/////	3,000,000 LE	ASRT
8	Acrylamide, Polycyclic Aromatic Hydrocarbon, and Peroxides: Common Genotoxicants and Carcinogens in Fried Potato Chips	Co-PI	Under-review	/////	200,000 LE	Benha Univ

***INTERNATIONAL AGREEMENTS:**

- Coordinator of **The Agreement for Scientific Cooperation** between **Friedrich-Loeffler-Institute (FLI)**- Federal Research Institute for Animal Health (Südufer 10, 17493 Greifswald-Insel Riems, Germany) and **Faculty of Veterinary Medicine**, Benha University (Moshtohor, Toukh, 13736, Qalubiya Governorate, Egypt)

***COMMUNITY SERVICE :**

- Conducting awareness campaigns in some local alimentary schools for students and teachers about how to keep our health, how to avoid the environmental pollution, how to recognize safe foods to eat, how to keep their kidneys healthy, ...etc.
- Having a collaborative work with the criminal court regarding forensic reporting of criminal cases concerning animals in our locality.

***REFERENCES:**

Name	Title	Address
1- Prof. Louise C. Abbott	<ul style="list-style-type: none"> - Professor in the Department of Veterinary Integrative Biosciences. -Director, Brain Development and Degeneration Program. 	<ul style="list-style-type: none"> - Department of Veterinary Integrative Biosciences College Of Veterinary Medicine And Biomedical Sciences TEXAS A & M University, 4458 TAMU -College Station, Texas 77843-4458 USA - Phone: (+1) 979-845-2269 - Fax: (+1) 979-847-8981 - E.mail: labbott@cvm.tamu.edu
2- Prof. Masahiro Ikeda	<ul style="list-style-type: none"> - Professor of Pharmacology. - Head of Department of Veterinary Medicine. 	<ul style="list-style-type: none"> - 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
3- Prof. Mohamed Abo-Salem	<ul style="list-style-type: none"> -Professor of Veterinary Forensic Medicine and Toxicology. - Former Dean of the Faculty of Veterinary Medicine. 	<ul style="list-style-type: none"> - 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@fvfm.bu.edu.eg

Edited: 2019