hdlhkcbbbbbbcbbccbb**CURRICULUM VITA**

**Name:** Eman Ezz Eldawela Gaber ElSharkawy

**Birth date:** 24/8/1971

**Gender:** female

**Institute:** Faculty of Veterinary Medicine-Assiut University, Egypt.

**Department:** Forensic Medicine and Toxicology

**Current Position:**  Professor

**Contact Information:**

* **Address:** Faculty of Veterinary Medicine-Assiut University, Egypt**.**
* **E-mail:** [**medicine1971@yahoo.com**](mailto:medicine1971@yahoo.com)
* **Institutional email:** [eman.elsharkawy@vet.au.edu.eg](mailto:eman.elsharkawy@vet.au.edu.eg)
* **Postal code:** 71515
* **Telephone:**020+0882411639 mobile:01007728786

**My Google Scholar profile:** <http://scholar.google.com.eg/citations?user=sgt6rtUAAAAJ&hl=ar>

**My Online academic page on My University**: <http://www.aun.edu.eg/arabic/membercv.php?M_ID=3001>

**Research ID:** G-1719-2014

**My orchid ID:** <http://orcid.org/0000-0003-1566-200X>

**My Scopus ID:** [Author ID: 54941387400](https://www.scopus.com/authid/detail.uri?authorId=54941387400)  **H index : 6**

**My linked in profile:**

https://www.linkedin.com/profile/view?id=180852529&trk=hp-identity-headline

**Research gate profile**

<https://www.researchgate.net/profile/Eman_Elsharkawy7> **Research gate scores 15. 70**

**Education:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Degree** | **Year** | **Discipline** | **Institute** |
| **B. V. Sc.**  **Administrator** | 1993  1994 | Bacoloria of veterinary Sciences  Forensic Medicine and Toxicology | Faculty of Veterinary Medicine-Assiut University |
| **Master thesis's**  **Assistant Lecturer** | 1998 | Forensic Medicine and Toxicology | Faculty of Veterinary Medicine-Assiut University |
| **PhD. V. Sc Lecturer** | 2003 | Forensic Medicine and Toxicology | Faculty of Veterinary Medicine-Assiut University |
| **Associated Professor** | 2008 | Forensic Medicine and Toxicology | Faculty of Veterinary Medicine-Assiut University |
| **Professor** | 2013 | Forensic Medicine and Toxicology | Faculty of Veterinary Medicine-Assiut University |

**Ph.D.** **title**:

''Some toxic effects of Teterchloro di benzo-*p*- dioxin (TCDD) on male albino rat''

**Master title**:

“Evaluation of sulfaquinoxaline hazards in meat producing chickens.”

**Research Interest:**

* Veterinary Forensic Medicine
* Environmental Toxicology
* Toxicological Pathology
* Biochemical and laboratory toxicology
* Specific scientific research in pesticide and environmental pollution

**Memberships**

**-**The Society of toxicology (SOT) full member.

**-** Egyptian society of the veterinary medicine history.

-Egyptian society of the cattle disease.

- Egyptian society of environmental toxicology.

- Membership of Science Advisory Board

**Editorial activities**

-Participate to the editorial team of SRL Drug Metabolism & Toxicology.

**Peer reviewer activities**

**-To journal of environmental toxicology**

**Title:** Protective effects of *ziziphora tenuior* extract against chlorpyrifos induced liver and lung toxicity in rat: Mechanistic approaches in sub-chronic study.

**- To journal of histology and histopathology**

**Title:** Amelioratve effect of N. sativa oil on metiram-inducedةHistological and quantitative alterations in ovary of albino rats.

**-To journal Data in Brief**

**Title:** Determination and quantification of PCBs, POCs and PAHs in Thunnus thynnus from the Straits of Messina (Italy).

**-To journal of current gene therapy**

**Title: Gene Therapy in Fanconi anemia: a matter of time, safety and gene transfer efficiency**

**-To journal of Environmental Science and Pollution Research**

**Title:** Chromosomal aberrations and DNA damage induced by penconazole and chlorpyrifos pesticides in bone marrow of rats

**-To journal** **of Toxicology reports journal**

**Title:** Unsafe herbal sex enhancement supplements in Nigerian markets: a human risk assessment.

**-To journal** **of Toxicology and industrial health**

**Title:** Genotoxic effect of Mancozeb Fungicide in colon and liver of Sprague Dawley rats**.**

**- The Almarai Veterinary Award** -2018 in Kingdom of Saudi Arabia.

**- PhD thesis:** titled "Natural occurrence of some toxigenic fungi and aflatoxins in some agricultural commodities as a source of animal feeds" In faculty in veterinary medicine, department of Forensic medicine and Toxicology.

**Workshops**

1- Practical program of "**Decisions taking and problems** **solving**".

2- Practical program of" **How to write the scientific papers**".

3- Practical program of "**How to use the technology in teaching".**

4- Practical program of "**Quality assurance in education".**

5- Practical program of **"The skills of good communications".**

6**-** Practical program of **"E. Learning".**

**7-** Practical program of **"Strategy planning".**

8- Practical program of **"Examinations evaluation".**

9- Practical program of **" How to work in team of scientific research".**

10- Practical program of **" Preparation of conferences".**

11- Practical program of "**Academic giddying in teaching of the credit hours program in veterinary medicine**.

12- Practical program of "**Applications of quality assurance program in labs of forensic medicine and clinical toxicology according to ISO 15189"**.

13- Specific training program of "**Environmental poisons, methods of detection and its control"**.

**14-** Workshop under the title is: **''Design Your Effective Training course Step by Step"** withinDAAD Kairo Akademie on 30th December 2018.

**15-** Workshop under the title is: "**Cell press journal awareness workshop''** October 10th 2018, held in Assiut University, Egypt.

**16-** Specific training program of **"cell culture skills isolation, purification and banking of hepatocytes''** 25-26th February 2019, held in Faculty of Science, Assiut University, Egypt.

**17-** The online webinar**"How to create a communications plan for funding success"** by Kudos Innovations Ltd, Oxford UK, 28 th June , 2019.

**Others**

* Institutional **TOEFL**.
* First level of second Language **"French"**.
* Academic Program of **"Teacher preparation"**.
* First part of "**A1 of Dutch''** Germany language.

**Awards**

1. Academic award of best research in veterinary science in forensic medicine and toxicology in year 2006-2007. **Ear configuration as a tool for identification and age determination in camel fetuses.** Manal. A. Abd Elmohsen; **.** Eman. E. El-sharkawy; Abd EL-mohymen. M. Saleh; Mohamed El-mhrazy. Assiut Vet. Med. J. Vol. 52-No.111; 93-108, October, 2006.
2. Award of best research in veterinary science in forensic medicine and toxicology in academic year 2011-2012. **Role of ascorbic acid to reverse the reproductive function disturbances due to the toxicity induced by Methoxychlor insecticide in male albino rats.** *Eman, E. El-Sharkawy1 ; Manal, M. Sayed2 ; A.A. Sharkawy1 and Sary Kh. Abd Elghaffar3* . 11th Scientific Congress of Egyptian society of cattle diseases -Faculty of Veterinary Medicine- Assiut University, 5-8 Dec, 2011
3. Award of best research in veterinary science in forensic medicine and toxicology in academic year 2012-2013. **Scanning electron microscopic study of hair as a tool for animal species identification.** *Doha Y. Ahmed and Eman E. El-Sharkawy.* **15 th scientific Congress Faculty of Veterinary Medicine- Assiut University, 25-27 November, 2012**.
4. Award of best research in veterinary science in forensic medicine and toxicology in academic year 2013-2014. **Testicular dysfunction induced by penconazole fungicide on male albino rats**Eman E. Elsharkawy1 and Neveen A.El-Nisr2. Comparative and Clinical Pathology, Vol. 22 (2); 475-480- May 2013. DOI 10.1007/s00580-012-1435
5. Award of best research in veterinary science in forensic medicine and toxicology in academic year 2014-2015. **Multi Pesticide and PCB Residues in Nile Tilapia and Catfish in Assiut city, Egypt.** *Doha Yahia1 and Eman E. Elsharkawy****2 .*** Science of the Total Environment 466–467 (2014) .
6. **Assiut University Incentive Award in veterinary science** for academic year 2015 for all scientific activity less than 45 years.

**Participations in universal and applied activities**

Member of community of "Faculty mission '' in CIQAP project in 2008-2009.

* Member of community of " Management and control of crises and catastrophes '' in CIQAP project in 2009-2010.
* Member of community of "Organization of management system" in CIQAP project in 2010-2011.
* Member of community of "Postgraduate and scientific research" one of the communities related to the faculty council.
* Member of community of "Scientific technical community of buying chemicals and scientific devices" for the department of forensic medicine and toxicology.
* Member of the Quality Assurance unit for the department of forensic medicine and toxicology.
* Academic conductor of credit hours teaching program.
* Member of ''Election Pool' to elect the president of Assiut university for an academic year 2013.
* Member of the ''University Council ''for an academic year 2013-2014.
* Member of community of ''Education and Underground student issues'' one of the communities related to the faculty council for an academic year 2017-2018.
* **The Current Department Toxicology Curriculum:** The courses related to the toxicology that I am teaching.

**Undergraduate courses:**

-I am teaching a **Toxicology curriculum** in credit hours system for students in the fourth grade as principal curriculum including:

**Fundamental toxicological including:** terminology of toxicology, dose‐response

relationships, absorption of toxicants, distribution and storage of toxicants, biotransformation and elimination of toxicants, target organ toxicity and specific types 0f toxicity ( teratogenesis, mutagenesis, carcinogenesis) and general lines of diagnosis and treatment of toxic cases.

**Specific toxicology including**: toxicity of corrosive, heavy metals, myctoxins, pesticides, toxic gases and drug toxicity.

* I am teaching **forensic medicine curriculum** in credit hours system for students in the fifth grade as principal curriculum including : Animal identification and medico- legal report, death and postmortem changes, Asphyxia, wounds and fire arm, blood and seminal stain examination, pregnancy and criminal abortion, animal doping.
* I am teaching **Eco-toxicology curriculum** in credit hours system for students in the fourth and fifth grades as Elective curriculum including : terminology of eco-toxicology, sources of environmental pollution, types of pollutant in surrounding environment, air pollution , water pollution, terrestrial pollution, overview of chemodynamics of contaminants in the environment including fate and transport in micro and macro environment, risk assessment of the pollutants in the environment , regulations and control of pollution.
* I am teaching **Genetic Toxicology curriculum** in credit hours system for students in the fourth and fifth grades as Elective course.
* I am teaching **Criminal Evidence curriculum** in credit hours system for students in the fourth and fifth grades as Elective course.

**Postgraduate courses:**

* I am teaching the post graduate courses for students those registered for master or doctorate degrees in my department. And also I supervised their practical thesis for master and doctorate levels

**For curriculums Master degree**

* General Toxicology - Forensic medicine and veterinary regulations - Experimental modeling in toxicology - Laboratory diagnosis of toxicants

**For curriculums PhD degree**

**-**Environmental toxicology **-**Myctoxins toxicity and managements **-**Pesticides toxicity and control **-**Nutritional toxicants and feed additives **-**Forensic toxicology **-**Drug toxicity and residues**.**

* **List of my previous international experience and International meetings attended:**

* *1st International Caparica Conference on Pollutant Toxic Ions and Molecules* (PTIM 2015)*.* 2nd - 4th November 2015, *Caparica -lisbon*, present as an oral contributor on the following topic: ''the potential ameliorative effect of Tiron and ascorbic acid against mercury chloride neurotoxicity in rabbit'.
* 14th FELASA Congress 2019. 10th -13th June 2019, in Prague, Czech Republic, presented as a poster presentation on the following topic:'Mancozeb impaired male fertility in rabbits with trials of glutathione detoxification'.
* **The current regional outreach activities in toxicology and related fields (community service)**
* I have some activities in environmental projects as I am a member in association of environmental developing and community service which is local community in my province Assiut city. This community interested in and concerned with the society environmental services. Some of these activities included
* ''Project of monitoring the drinking water in Assiut province'' 2002-2007 under the supervision of the Assiut University.
* '' Field survey on chemical pollutants the in (Arab Elmadag) area of sanitary discharge station in Assiut province 2008-2010.
* Services of regular monitoring and screen examination of myctoxins in poultry feed as a service presented to the poultry farms in Assiut province in collaboration with the department of poultry breeding and disease.

**List of Selected Publications**

**The Persistent Organic Pollutants (POPs) in Animal Tissues.** Eman E. Elsharkawy,, *EC Pharmacology and Toxicology* 8.4 (2020): 01-04.

**Industrial Pollution. .** Eman E. Elsharkawy

**ARC Journal of Forensic Science *Volume 5, Issue 1, 2020, PP 21-23 ISSN 2456-0049*** [***http://doi.org/10.20431/2456-0049.0501004***](http://doi.org/10.20431/2456-0049.0501004)

**Nanotechnology Applications of Pesticide Formulations.** Eman E. Elsharkawy

Journal of Nanomedicine 2020; 3(1): 1029. MedDocs Publishers LLC.

**Silver nanoparticles testicular toxicity in rat.** Eman E. Elsharkawy, Mahmoud. Abd El-Nasser, Heba F. Kamaly**.** Environmental Toxicology and Pharmacology 70 (2019).

**Mancozeb impaired male fertility in rabbits with trials of glutathione detoxification.** Eman E. Elsharkawya,, Mahmoud Abd El-Nassera, Aliaa A. Bakheet **.** Regulatory Toxicology and Pharmacology 105 (2019) 86–98**.**

**Species DNA-based identification for detection of processed meat adulteration: is there a role of human short tandem repeats (STRs)?**

Ghada Ali Omran1\* , Asmaa Osama Tolba2, Eman Ezz El-Dawela El-Sharkawy3, Doaa Mohammed Abdel-Aziz4 andHussein Youssef Ahmed4. Egyptian Journal of Forensic Sciences (2019) 9:15 <https://doi.org/10.1186/s41935-019-0121-y>

**Co-administration of glutathione alleviates the toxic effects of 2,3,7,8TCDF on the DNA integrity of sperm and in the testes of mice.** Doha Yahia, Yasmin O. El-Amir ,Doaa S. Abd El-Maguid, Eman E. Elsharkawy. Environmental Science and Pollution Research, <https://doi.org/10.1007/s11356-018-3259-5>

**Multi pesticide residues and other organic contaminants in local meat consumed in Assiut markets.** *Eman E. Elsharkawy , Ahmed A. Sharkawy , Wafaa A. Aly****.*** Univ. Bull. Environ. Res. Vol. 26 Nbbo. 2; 16- 45, 2018*.*

**Organochlorine and organophosphorus pesticide residues in raw buffalo milk from agroindustrial areas in Assiut, Egypt‏.** EM Shaker, *E E. Elsharkawy*. Environmental toxicology and pharmacology 39 (1), 2015 433-440.

**The ameliorative effect of propolis against methoxychlor induced ovarian toxicity in rat.** *Eman E. Elsharkawy*, Amany O.G. Kamesb, S.M. Sayedc, Neveen A. E.L. Nisrc, Nahed M. Wahbac, Walaa M. Elsherifc, Allam M. Nafadyd, M.M. Abdel-Hafeezc, A.A. Aamer. Experimental and Toxicologic Pathology 66 (2014) 415–421.

**Occurrence and the level of contamination of aflatoxin M1 in raw, pasteurized, and ultra-heat treated buffalo milk consumed in Sohag and Assiut, upper Egypt.** *Eman M. Shaker1and**Eman E. Elsharkawy****2*.** J Environ Occup Sci - Vol 3 - Issue 3. 136-140- Apr-Jun 2014.

**Multi Pesticide and PCB Residues in Nile Tilapia and Catfish in Assiut city, Egypt.** *Doha Yahia1 and Eman E. Elsharkawy****2 .*** Science of the Total Environment 466–467 (2014) 306–314***.***

**Testicular dysfunction induced by penconazole fungicide on male albino rats**Eman E. Elsharkawy1 and Neveen A.El-Nisr2. Comparative and Clinical Pathology, Vol. 22 (2); 475-480- May 2013. DOI 10.1007/s00580-012-1435.

**Ameliorative effect of propolis against methoxychlor** induced hepato renal dysfunction**.** Neveen A. EL Nisr1 , Eman E. El-Sharkawy2 , M. R. Abd Ellah3 , Walaa M. Elsherif 1 , G. F. Kames1 , S. M. Sayed1 , Nahed, M. Wahba1 \*, M. M. Abdel-Hafeez1 , A. A. Aamer3 and M. F. AbdelRahman4 Basic Research Journal of Animal Science Vol. 1(1) pp. 07-16 December 2013

**In *utero* and lactational exposure to dioxin altered the reproductive function in female rat offspring before and after puberty.** Eman E. Elsharkawy1 and Neveen A.El-Nisr2 Ass. Univ. Bull. Environ. Res. Vol. 16 No. 1; 13- 39, 2013*.*

**Sub-chronic exposure to chlorpyrifos induces hematological, metabolic disorders and oxidative stress in rat: Attenuation by glutathione.** Eman E. Elsharkawy a, Doha Yahia a, Neveen A. El-Nisr b. Environmental Toxicology and Pharmacology, 35: 218-227, 2013.

**Influence of chelating therapy against aluminum chloride-induced immune suppression and hematological disorders in rabbits.** Eman E. El-Sharkawy1 , Doha Y. Ahmed2 , Neveen A. Elnisr3. Comparative Clinical Pathology, Vol.22 (2); 63-73, 2013.

**Scanning electron microscopic study of hair as a tool for animal species identification.**Doha Y. Ahmed1 and Eman E. El-Sharkawy2. 15 th scientific Congress Faculty of Veterinary Medicine- Assiut University, 25-27 November, 2012

**.**

**Chlorpyrifos Induced Testicular Damage in Rats: Ameliorative Effect of Glutathione Antioxidant.** Eman E. Elsharkawy,1 Doha Yahia,1 Neveen A. El-Nisr2. Environmental Toxicology DOI 10.1002/tox. Received 9 January 2012; revised 15 October 2012; accepted 20 October 2012. © 2012 Wiley Periodicals, Inc..

**Chemical and Pathological Evaluation of *Jatropha Curcas* Seed Meal Toxicity With or Without Heat and Chemical Treatment.** 1Nabil A.E. Azzaz, 2Neveen A. El-Nisr, 3Eman E. Elsharkawy and 4Eman A. Elmotleb. Australian Journal of Basic and Applied Sciences, 5(12): 49-59, 2011.

**Neonatal death of mice exposed to Perfluorooctanoic acid during pregnancy*.*** Doha Yahia1, Yasmin O. El-Amir 2, Eman E. Elsharkawy1. 11th Sci. Cong., Egyptian Society of Cattle Diseases -Faculty of Veterinary Medicine- Assiut University. 5-8 Dec, 2011.

**Role of ascorbic acid to reverse the reproductive function disturbances due to the toxicity induced by Methoxychlor insecticide in male albino rats.** Eman, E. El-Sharkawy1 ; Manal, M. Sayed2 ; A.A. Sharkawy1 and Sary Kh. Abd Elghaffar3. 11th Scientific Congress of Egyptian society of cattle diseases -Faculty of Veterinary Medicine- Assiut University, 5-8 Dec, 2011.

**Evaluation of Subacute Toxicity Induced by Methoxychlor: The protective Effect of Ascorbic acid*.*** Eman E. Elsharkawy, Sharkawy A.A. Journal of Advanced Veterinary Research. Vol. 1, 119-126, 2011.

**Protective effect of ascorbic acid and Tiron (4-5 dihydroxy-1, 3 benzendisulfonic acid) against mercury chloride-induced oxidative stress and neurotoxicity in rabbit.** Eman. E. El-sharkawy; Manal. A. Abd Elmohsen**;**Neveen A. El-Nisr.Assiut Vet. Med. J. Vol. 54-No.117; 129-155, April, 2008.

**Tetrachloro dibenzo-p-dioxin effects on blood constituents after short and long term oral application.** M. Abd El-Nasser, Adel Shehata M, Daify A. S. and Eman. E. El-sharkawy. Bull. Environ. Res. 8 (1): 31-39, 2008.