



Cairo University

CURRICULUM VITAE



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Biographic data

Name : Sahar Samir Mahmoud Abd El-Rahman.
Birth Date : Aug., 6, 1969.
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Birth Place : Cairo, Egypt.
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Degree : PhD, Veterinary Pathology.

Education

Cairo University	: Egypt, B.V.Sc., Jan., 1986 – 1992.
Cairo University	: Egypt, M.V.Sc., (Veterinary Pathology), 1996. Thesis title: <i>Pathological studies on cadmium and zinc toxicity in male albino rats.</i>
Cairo University	: Egypt, Ph.D. (Veterinary Pathology), 2000. Thesis title: <i>Pathological and histochemical studies on female genital system of equines.</i>

Professional (Academic) Experience

1992-1993	: Demonstrator in “Serum and Vaccine Research Institute”.
1994-1996	: Demonstrator, Department of Pathology, Faculty of Veterinary Medicine, Cairo University, Egypt.
1997-2000	: Assistant lecturer, Department of Pathology, Faculty of Veterinary Medicine, Cairo University, Egypt.
2000-2003	: Lecturer, Dept. of Pathology, Faculty of Vet. Med., Cairo University.

2004-2009	Assistant Prof. of Pathology, Faculty of Vet. Med. And Agricultural sciences, 7 th of April university, Libya.
2009-2010	Prof. of Pathology and Histology, in Faculty of Medical Technology, 7 th of October university, Libya
2010-2013	Prof. of Pathology and Histology, in Faculty of Education- Zolton, Elzawia university, Libya.
2013- till now	Prof. of Pathology, Faculty of Vet. Med., Cairo University

Teaching Activities:

1994-2000	: Practical courses of general and special Pathology for the third and fourth year Veterinary, undergraduate Students at Dept. of Pathology, Faculty of Vet. Med., Cairo University, Demonstrating slides and leading group discussions.
2000-2003	: Lectures on Immunopathology, Pathology of Lympho-reticular tissue, and Pathology of digestive and respiratory systems. Veterinary Pathology courses No. 60 and 65 (Pathology of infectious diseases and Pathology of female genital system), for postgraduate students.
2004-2009	: Assistant Prof. of General and special Pathology, and Morbid anatomy to students of third year in Faculty of Vet. Med. And Agricultural sciences, 7 th of April university, Libya.
2009-2010	: Zoology course for primary medical students. : Assistant Prof. of Pathology and Histology, in Faculty of Medical Technology, 7 th of October university, Libya.
2010-2013	Prof. of Pathology and Histology, Zoology course.in Faculty of Education- Zolton, Elzawia university, Libya. Prof. of Pathology and Histology, Zoology course.in Faculty of Education- Zolton, Elzawia university, Libya.
2013 till now	Prof. of Pathology Faculty of Vet. Med., Cairo University. ➤ <u>Teaching</u> Pathology Courses (General,

	<p>Special And Morbid Anatomy) For Under-Graduate Students 3rd and 4th level as well as in summer course.</p> <ul style="list-style-type: none"> ➤ <u>Teaching</u> Pathology Courses (General, Special And Morbid Anatomy) Post-Graduate Students ➤ <u>Participate</u> in the practical, written, and verbal exams of Pathology for both the Under-Graduate and Post-Graduate Students. ➤ <u>Participate</u> in the Course Description of Pathology for Post-Graduate Students entitled: Pathology of nervous system. ➤ <u>Participate</u> in the Course Description of Pathology for Post-Graduate Students entitled: Pathology of genital system. ➤ <u>Participate</u> in the Scientific Leadership of Under-Graduate student group in 3rd and 4th level. ➤ <u>Participate</u> as course coordinator decision in course No 353 for Under-Graduate student. ➤ <u>Faculty Control Member</u> in Bachelor and Graduate levels. ➤ <u>Participated</u> in the Students conference of Pathology Department for the academic year 2013. 2014, 2015 and 2016.
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Scientific Literature

- Participated in the preparation and development of the Pathology department **theoretical book** for the 4th level course.
- Participated in preparation and development of Pathology department **practical book** for the 3rd and 4th level course

Veterinary Medicine continued education and technical workshops:

April, 1993	: Modern Methods in Microbial Molecular Biology, Agricultural Genetic Engineering research Institute (AGRI.) Egypt.
July, 1993	: DNA Technology and Advanced Immunological Technique for use in Veterinary Medicine, (In Serum and Vaccine Research Institute), Abbasia, Egypt.
Jan., 1994	: Advanced Immunological Techniques for use in Veterinary Medicine (Institute of Animal Reproduction), Egypt
Sep., 2002	: DNA Technology, some advanced techniques, and applications of PCR.
Sep., 2002	: Modern techniques in preparation of biological recombinant vaccines.
May, 2003	Using of ELIZA in detection of mycotoxines in animal tissues and food and feed stuffs.
May, 2014	Workshop on recent pathological techniques including; Tissue Microarray. Immunohistochemistry. Image analysis applications. Isolation of Nucleic acids. PCR, rt-PCR.
March, 2015	1 st CL Davis Middle East Division Symposium on Pathology of Domestic and laboratory Animals, Cairo-Egypt.
August, 2016	Nanotechnology in Scientific Research: Preparation and Characterization of Nanoparticles.
September. 2016	Author Workshop, Elsevier Publishing campus.
October, 2016.	Scientific writing, Elsevier Publishing campus
November, 2016	Various uses of Image J.
April, 2017	Workshop on Nanotechnology Codes of ethics, Safety & Security, (BUE, Cairo)

October, 2017

Workshop on Nanotechnology Applications.

Workshops on Quality assurance and Development of Faculty Members:

July, 2008	Workshop on students' skills.
July, 2008	Workshop on Credit Hours system.
July, 2009	Workshop on Scientific Publishing.
July, 2009	Workshop on Systems of Examinations and Evaluation of Students.
July, 2010	Workshop on Communications Skills.
December, 2013	Workshop on Preparation of E-Learning Course.
December, 2013	Workshop on Academic Advising for High Education institutions.
Jan, 2014	Workshop on Quality Management Systems.
Jan, 2014	Workshop on Leadership and Governance.

Participation in scientific conferences, Seminars and Membership in Scientific Societies and Journals' editorial board

1. An active member of the Egyptian Veterinary Medical Association for Pathology and Clinical Pathology.
2. An active member of the scientific and technical committees of the conferences and journal's editorial boards of medical and health sciences, WASET.org

- <http://waset.org/Committees/medical-and-health-sciences>
3. Academic editor of International Journal of Biochemistry Research and Review.
<http://www.sciencedomain.org/journal/3/editorial-board-members>
 4. **An active member of the editorial board of GSL Journal of Forensic Research**
<http://gslpublishers.org/journals/editorial-board.php?title=gsl-journal-of-forensic-research>
 5. Participated in the: International Egyptian Czech Conferenace on nanotechnology applications (IECCNA), Egypt, 2017.
 6. Participated in the ACVP & ASVCP Concurrent Annual Meeting, November 4-8, 2017, Vancouver Convention Center, Vancouver, BC Canada.
 7. Participated in One Health International Conference, November 13-15, 2017, Lahore, Pakistan.
 8. Participated in: The 1st Scientific Forum for Applied Research Marketing National Research Centre: The Future is Now. Egypt, 2016.
 9. Participated in: The 8th Conference of Egyptian Society of Animal Welfare, Animal and Avian Health and Community Health, Hurghada, Egypt, 2016.
 10. Participated in The 17th International Conference on Biological, Health and Environmental Sciences, Istanbul, Turkey, November 27 - 28, 2015 ([as a Session Chair](#) and with paper presentation).
 11. Participated in A Symposium on: Standards and Ethics of the International Publication, 2014.

12. Participated in The 11th annual Congress of Medical Sciences, (Medical Research between Theory and Application. NRC, Cairo-Egypt. 17-19, 2013.
13. Participated in The 10th annual Congress of Medical Sciences, 2012.
14. Participated in the 22nd Maghreb Veterinary Medicine conference (Congrès Maghrèbin Vètèrinaire) from 21 to 23 May, 2004 in Tripoli (as a lecturer).
15. Participated in: The 25th Maghreb Medical Conference (Congrès Maghrèbin Vètèrinaire)in the period from 15 to 16 May, 2008 in Algeria (with paper presentation).
16. Participated in the 26th Maghreb Medical Conference (Congrès Maghrèbin Vètèrinaire) in the period from 25 to 27 May, 2009 in Tripoli. (Session Chair).
17. Participated in the organization of the first Scientific Symposium of Faculty of Medical Technology (2005), 7th of April University, Libya. (as a lecturer): Role of Apoptosis in Regression of Atherosclerosis.
18. Participated in the organization of the second Scientific Symposium of Faculty of Medical Technology (2007), 7th of April University, Libya. (as a lecturer): Tumour markers.
19. Participated in the 13th Scientific Conference of the Medical Association of the Egyptian Veterinary Pathology and Clinical Pathology in the period from 26 to 27 Jan, 2002 (with paper presentation).
20. Organized and participated in six regional conferences throughout six years since 2004 to 2009 for the role of veterinary medicine and its relationship to the community, which were held at the Faculty of Veterinary Medicine and Agricultural Sciences, 7th of April University-Libya.

Supervision of Thesis

1. Supervision of **Master** theses entitled:

Studies on the protective role of some antioxidants against the toxic and carcinogenic effects of hexavalent chromium in albino rats.

2. Supervision of *Master thesis* entitled:

Pathological and molecular studies of some mixed respiratory viral infections in layers at Sharkia governorate.

3. Supervision of *Master thesis* entitled:

The therapeutic potential of Epigallocatechin-3-gallate and Paclitaxil in targeting mammary cancer stem cell in rat model.

4. Supervision of *Master thesis* entitled:

Pathological Studies on Wild pigeons (*Columba livia Domestica*) and Crows (*Corvus cornix*).

5. Supervision of *PhD thesis* entitled:

Role of some natural antioxidants in treatment of induced liver fibrosis.

6. Supervision of *PhD thesis* entitled:

Pathological surveillance studies on various affections of the urogenital system in she-camels.

7. Supervision of *PhD thesis* entitled:

Diseases of egret species: special emphasis on the possible hazard to human and animals.

Thesis' Arbitration

Arbitration of master thesis entitled: Histopathological and Immunological Evaluation of Canine Amniotic Membrane Implantation in Rabbits.

Arbitration of master thesis entitled: Pathological and biochemical Studies on the protective role of some antioxidants against the toxic and carcinogenic effects of hexavalent chromium in Albino rats

Arbitration of PhD thesis entitled: Pathological and histochemical studies on the therapeutic effect of some natural materials on diabetic rats.

Arbitration of master thesis entitled: Pathological evaluation of induced liver cirrhosis using stem cells.

Arbitration of PhD thesis entitled: Pathology and Pathogenesis of Metastasis in Mouse Models of Animal Cancer.

Awards :

- **Certificates of appreciation for academic excellence** in the University academic years; 86/87, **87/88, 88/89 ,89/90, and 90/91.**
- **AWARD OF INTERNATIONAL PUBLICATION;** Cairo University (**CUIPA**), **2009.**
- **AWARD OF INTERNATIONAL PUBLICATION;** Cairo University (**CUIPA**), **November 2010.**
- **AWARD OF INTERNATIONAL PUBLICATION;** Cairo University (**CUIPA**), **2014.**
- **AWARD OF INTERNATIONAL PUBLICATION;** Cairo University (**CUIPA**), **2015.**
- **AWARD OF INTERNATIONAL PUBLICATION;** Cairo University (**CUIPA**), **2016.**

Other activities:

Reviewer in Basic and Applied Pathology Journal.

Reviewer in Journal of Advanced Research.

Reviewer in International Journal of Biochemistry Research & Review.

Reviewer in Cytotechnology.

Reviewer in Environmental toxicology journal.

Reviewer in African Journal of Biochemistry Research

Publications:

1- Sahar S. Abd El-Rahman and Osman A. H. (2001):

Studies on the chronic oral toxicity of some analgesics (Aspirin and Paracetamol) and Ampicillin in growing rats. J. Egypt. Vet. Med. Ass. 61, No. 6,4: 207-218.

2- Sahar S. Abd El-Rahman; Mahmoud A. Sheble; Fatma M. Abd El-Azeem; Sayed M. Rawi. (2002): (conference paper)

Biochemical and pathological studies on hepatic and renal alteration in male albino rats given aluminum chloride and / or aflatoxin B1. Egypt. J. Comp. and Clinic. Path. Vol. 15 No. 1; 57-73.

3- Osman A. H. and Sahar S. Abd El-Rahman. (2002)

Pathological studies on some pancreatic affections of equines. Egypt. J. Comp. and Clinic. Path. Vol. 15 No. 2 (Oct.) ; 2002, 12-21.

4- Soliman A. S.; Inas N. El-Husseiny; Sahar S. Abd El-Rahman. (2002):

Experimental studies on partial tendon auto transplantation in donkeys. Egypt. J. Vet. Med. Ass. 62 No. 1; 33-43.

5- Sahar S. Abd El-Rahman and M.M. Lotfy. (2003):

Ovarian tumors in bitches: with a reference to hormonal alterations. Egypt. J. Comp. and Clinic. Path. Vol. 16 No. 1; 124-134.

6- Sahar S. Abd El-Rahman. (2003):

Neuropathology of aluminum toxicity in rats (Glutamate and GABA impairment). **Pharmacological Research**; 47, 189-194.

7- Mahmoud A. Sheble; Sahar S. Abd El-Rahman; Halima S. Abdou; Ahmad A. Soliman. (2004):

Aflatoxicosis in Egyptian sheep with special reference to its cytologic and pathologic alterations. Egypt. J. Comp. and Clinic. Path. Vol. 17 No 1 (March) 78-93.

8- Sahar S. Abd El-Rahman.(2004):

Assessment of neuropathology, amino acid profile and bioaccumulation following sub chronic inhalation of manganese phosphate (as one of gasoline combustion products) in male Sprague-Dawley rats. Vet. Med. J. Giza. Vol. 52; No. 4: 495-506.

9- Sahar S. Abd El-Rahman and Kawkab A. Ahmad. (2004):

Pathology of gout induced by sodium bicarbonate toxicity in broilers. J. Egypt. Vet. Med. Ass. 64, No. 1; 125-136.

10- Sahar S. Abd El-Rahman; Inas N. El-Husseiny.(2004):

Mammary gland neoplasms in mares. Egypt. J. Comp. and Clinic. Path. Vol. 17 No. 2; 1-11.

11- M. A. Hamouda and Sahar S. Abd El-Rahman. (2004):

Neurotoxicity of combined aflatoxin B1 and G1 in different age Sprague-Dawley rats with comparative studies of CNS microchemistry alterations. Egypt. J. Comp. and Clinic. Path. Vol.17 No. 2; 21-37.

12- Sahar S. Abd El-Rahman and M.M. Lotfy. (2005).

Canine spirosercosis in Giza Governate: with a reference to esophageal and aortic pathology. Vet. Med. J. Giza. Vol. 53; No. 4: 495-506.

13- S.M.Sokkar; M.A. Hamouda; Sahar S. Abd El-Rahman. (2001):

Endometritis in she donkeys in Egypt. *J. Vet. Med. B* 48; 529-536.

14- S.M.Sokkar; M.A. Hamouda; Sahar S. Abd El-Rahman. (2001):

Histopathological studies on neoplasms in the genital tract of female donkeys in Egypt. *Berl. Münch. Tierarztl. Wschr.* 114; 166-168

15- Sahar S. Abd El-Rahman and Gouda. A.

Histogenesis and characterization of skin tumors in BULB/C and SWISS mice induced topically by 7,12 Dimethylbenz(a) anthracene. *Egypt. J. Comp. and Clinic. Path.* 2006; Vol. 19 No.3 11-23.

16- Sahar S. Abd El-Rahman and Enaam A. R.

Promoting effect of inhaled unleaded gasoline on lung and reproductive toxicity in male albino rats (histomorphological and biochemical studies). *Egypt J. Comp. and Clinic.Path.* 2006; Vol. 19 No. 3 66-84.

17- Sahar S. Abd El-Rahman and Khlood M.Elbohi. (2008)

Combined therapy for Methyl Parathion toxicity in male albino mice: with special reference to Pathological, Biochemical and Cytogenetical changes. *Egypt. J. Comp. and Clinic. Path.* 2008; Vol. 21 No. 2 247-268.

18- Sahar S. Abd El-Rahman, Shahera M.R.Abdel-Haseeb and A.A.Abd-Allah . (2008) (conference paper)

Pathomorphological studies on Hydatidosis in Western Libyan slaughtered animals: with special reference to its epidemiological

status in human in the same localities. **Congrès Maghrèbin Vètèrinaire, Le 16 Mai 2008, Alger;**46-57.

19- Elbohi KM and Abd El-Rahman SS.(2009)

Prevention of fluoride-induced testicular disorders in male Sprague-Dawley rats by co-administration of Vitamin E and/or ginger oil. **Online Journal of Veterinary Research**, Volume 13 (1) :1-11, 2009

20- Laila M.E. Sabik and Sahar S. Abd El-Rahman (2009).

Alpha-tocopherol and ginger are protective on Cyclophosphamide-induced gonadal toxicity in adult male albino rats. **Basic and Applied Pathology** 2009; 2: 21–29.

21- Sahar S. Abd El-Rahman and A.T. El-Dakhly.(2010)

Demonstration of Pigeon Circovirus infection in Western-Libya, based on Histopathology, electron microscopy and apoptosis. **Global Veterinaria** (3):242-248,2010.

22- Sahar S. Abd El-Rahman. (2010)

Prevalence and Pathology of Nasal Myiasis in Camels Slaughtered in El-Zawia Province-Western Libya: With A Reference to Thyroid Alteration and Renal Lipidosis. **Global Veterinaria** 4 (2): 190-197, 2010.

23- Sahar S. Abd El-Rahman. (2010)

West-Libyan propolis and rosemary have synergistic anti-tumor effect against 12-O-tetradecanoylphorbol 13-acetate (TPA)-induced skin tumor in BULB/C mice previously initiated with 7, 12-dimethylbenz[a]anthracene (DMBA). **Basic and Applied Pathology** 2010; 2: 21–29

24- Khlood M.Elbohi, Fagr A.Mahmoud, Sahar S.Abd Elrahman .(2009)

Some Pharmacological and Toxicological Studies On Flubendazole In Broilers . Zag. Vet. J. (ISSN. 1110-1458) Vol. 37, No. 4 (2009) pp. 27-37.

25- Nehal Mohamed Fawzy, KameliaMahmoud Osman, Mai El-Desoky El-Sayed Ibrahim, Mohamed NaguibMohamed Ali, and Sahar S. Abd- Elrahman (2014).

Streptococcosisin tilapia: Clinico-pathological picture of experimentally infected tilapia. [Life Science Journal](#) 2014;11(9)

26- Sayed M.M., Sahar S. Abd El-Rahman, Soad A. Mansour, Abd El-Kader A. Zaki, Sabry A. El.Einayma.

Immunnization trial of goats against Przhevalskiana Silenus (Diptera: Oestridae) larvae infestation with Emphasize on its localization and migration route in experimentally infested skin. J. Egypt. Acad. Soc. Environ. Develop. (A- Entomology) Vol.7, No(1): 45-66 (2006).

27- M. O. Elshazly, Sahar S. Abd El-Rahman , Ashraf M. Morgan, Merhan E. Ali

The Remedial Efficacy of Spirulina platensis versus Chromium-Induced Nephrotoxicity in Male Sprague-Dawley Rats.

[PLOS ONE](#) | DOI:10.1371/journal.pone.0126780 June 1, 2015

28- M. M. Bashandy, A. R. Ahmed, M. El-Gaffary, Sahar S. Abd El-Rahman (conference paper)

Gold Nanoparticle: Synthesis, Characterization, Clinico-Pathological, Pathological, and Bio-Distribution Studies in Rabbits.

[International Journal of Biological, Biomolecular, Agricultural, Food and Biotechnological Engineering](#) Vol:9, No:11, 2015

29- Omama E. El Shawi, Sahar S. Abd El-Rahman, Marwa Abd El Hameed

Reishi Mushroom Attenuates Hepatic Inflammation and Fibrosis Induced by Irradiation Enhanced Carbon Tetrachloride in Rat Model.

Journal of Biosciences and Medicines, 2015, 3, 24-38

30- El-Sayed, M. G. A, Elkomy, A, Sahar S. abd el-Rahman and ElBanna, A. H.

HEPATOPROTECTIVE EFFECT OF *PIMPINELLA ANISUM* AND *FOENICULUM VULGARE* AGAINST CARBON TETRACHLORIDE INDUCED FIBROSIS IN RATS.

WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES, Vol 4, Issue 06, 2015.

31- M.O. Elshazly , Ashraf M. Morgan , Merhan E. Ali , Essam Abdel-mawla , Sahar S. Abd El-Rahman

The mitigative effect of Raphanus sativus oil on chromium-induced geno- and hepatotoxicity in male rats.

Journal of Advanced Research (2016) 7, 413–421

32- Omama E. EL-Shawi AND Sahar S. ABD EL-Rahman

THE PROPHYLACTIC EFFICIENCY OF LYCOPENE AGAINST GAMMA IRRADATION-INDUCED CARDIAC OXIDATIVE DAMAGE, PATHOLOGY AND APOPTOSIS IN RATS.

IJBPAS, March, 2016, 5(3): 736-52

33- Asmaa K. Al-Mokaddem, Kawkab A. Ahmed, Sahar S. Abd El-Rahman and Essam Abdel-mawla

The Potential Protective Impact of *Spirulina platensis* Against Thioacetamide-Induced Liver Fibrosis in Rats.

International Journal of PharmTech Research, 2016,9(12): 873-883.

34- Sahar S. Abd El-Rahman, Gehan Shehab, Heba Nashaat.

Epigallocatechin-3-Gallate: The Prospective Targeting of Cscs and Preventing Metastasis of Chemically-Induced Mammary Cancer in Rats. **The American Journal of the Medical Sciences**, 2017;354(1):54–63.

35- Tarek El-Hamoly, Dina M. El-Sharawy, Marwa S. El Refaye, Sahar S. Abd El-Rahman.

L-thyroxine modifies nephrotoxicity by regulating the apoptotic pathway: The possible role of CD38/ADP-ribosyl cyclase-mediated calcium mobilization. [PLOS One](#). 2017 Sep 11;12(9):e0184157. doi: 10.1371/journal.pone.

36- Sara S. Essa^a, Eiman M. El-Saied^b, Osama S. El-Tawil^b, Manal B. Mahmoud^a, Sahar S. Abd El-Rahman.

Modulating effect of MgO-SiO₂ nanoparticles on immunological and histopathological alterations induced by aflatoxicosis in rats.

Toxicon 140 (2017) 94-104

<http://www.sciencedirect.com/science/article/pii/S0041010117303227>

*** Papers under publication:-**

1. Sabry A. and Sahar, S. Abd El-Rahman.

Experimental studies on Warble-Fly infestation in Egyptian goats.

2. Sahar, S. Abd El-Rahman.

Role of apoptosis in regression of atherosclerosis.

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