

C.V

Hanan Mohamed Sobhy

Nationality: Egyptian

Sex: Female

Date of Birth: Septamper 19, 1961

Address: El maryotia, Faysal

Marital Statues: Married

Tel: 02/37454618

Mob: 01229511749 / 01144504871

E-Mail: dr.hanan_mss@yahoo.com

♦ Education

1983 B.V.Sc: Faculty of veterinary medicine, Cairo University.

Undergraduate studies: Anatomy, Chemistry, Phsiology, Pharmacology, Histology, Toxicology, Meat inspection, Hygiene, Zoonotic diseases, poultry diseases, infectious, medicine, parasitology and microbiology.

1987 M.V.Sc: Faculty of veterinary medicine, Department of Pharmacology, Cairo University.

1991 Ph.D: Faculty of veterinary medicine, Department of Pharmacology, Cairo University.

❖ *Ph.D* title :

Effect of sumicidine and S-3206 insecticides (synthetic pyrethroids) on fetal development and male fertility.

Postgraduate studies: Pharmacology and Physiology

❖ *Master* title:

Pharmacological and toxicological studies on the carbmate insecticide "Mehomyl".

Postgraduate studies: Pharmacology, Toxicology and Statistics.

♦ Employment

2013-untill now: -Head of Biochemical, Toxicology and Food deficiency Department- Animal Health Research Institute, Dokki, Gizza, Egypt.

2012-untill now :- Manager of chemical safety- *AHRI* (2012)

2008-2013: -Technical manager of pyrogen unit(accredited by 17025)
- Chemical safety *official in biosafety office -AHRI*

2001: Professor of pharmacology

1996-2001: Assistant professor of pharmacology.

1994-1996: Head of Pharmacology Unit,-Biochemical, Toxicology and Food deficiency Department- Animal Health Research Institute, Dokki, Gizza, Egypt.

1992-1993: Post_Doctoral Training in Biology department, Old Dominion University Norfolk, Virginia. U.S.A (on control of Anaplasmosis and Babesiosis through Biotechnology of Egypt).

♦ Biotechnology Work:

-Examination of Biotechnology tick Phermones by Using TLC, HPLC.

-Preparation of decoys containing tick Phermones and examines on animals.

-Reanalysis of decoys by GC.

1991-1992: lecture in Pharmacology unit-Biochemical, Toxicology and Food deficiency Department- Animal Health Research Institute, Dokki, Gizza, Egypt.

1984 -1991: Veterinarian in parasitology Department, Animal Health Research Institute, Dokki, Gizza, Egypt.

♦ Practical Experience

- Teaching for Pre and Post-graduated Doctors.
- Analysis of Drugs and pyrogen test used in filed for treatment of animals and for prophylactic.
- working on HPLC and GC for analysis of drugs.
- examined drugs for pyrogen.
- Pharmacological studies on new drugs, plant extract and insecticides.
- cytogenic studies of different drugs and substances on animals.
- Pharmacokinetic and drug residues.
- Preparation and examination of decoys (as a biological control of ticks) on cattle, camel, buffalo and pet animals.
- Study the effect of some medical and forensic plants extract on fertility and teratogenicity in male and female animals with use some of them to increase fertility of male and growth of feti.
- Examination of liver and kidney function and all parameters present in serum after using a drug.
- Isolation of DNA and measure it's content with studying some substances that effect on it.
- Study of effects of some biological subs and some bacterial strains.
- Pharmacological instructor:
Instruction in all aspects of Pharmacology and training of new veterinarian (Egyptian and Afroassian).
- Study the effect of some biological substance on Cytogenetic and DNA of mammals.
- Preparation of some new substances used as a growth promoter Factor.
- Preparation of new substances (Phermones) and recorded under my name.
- Pharmacokinetic studies of some drugs

- Determination Of pyrogen in pharmaceutical, biological and medical device.
- Training for doctors on "Chemical safety in lab."
- Experience in project management.
- Excellent Knowledge with ISO 17025.
- **Good command of English and computer**

♦ **Supervisor And Approval of Thesis**

1. -M.V.Sc degree under tilte" some phytochemical and pharmacological studies on Echinochola crus galli plant" (1998)
2. -Ph.D.degree under title "Effect of some drug on the growth of broiler chicken".(2000)
3. -Ph.D.degree under title "Biochemical studies of some insecticidal effects on environmental pollution".(2000)
4. -Ph.D..degree under"Biochemical studies on the effect of some antioxidants and microelements in laying hens".(2005)
5. -M.V.Sc.degree ynder title "Study the effect of Thiamphenicol and its combination with vitamin B12 in male rats".(2006)
6. -Ph.D.degree under title"Effect of Allium cepa ,Nigella sativa ,Cicer arietinum on fertility in male rats".(2008)
7. -Ph.D.degree under title" Nutritional effect of Olive oil and Barley on DNA damage and cytogenecity induced in rats"(2008)

8. -M.V.Sc."Effect of some food additives on cytogenicity and biochemical analysis in rats".
9. -M.V.Sc.degree under title "Nutritional evaluation and hepatoprotective effect of mushroom in rats".(2008)
10. -M.V.Sc.degree under title "Effect of Soya bean and its products on fetal development and biochemical analysis in rats".(2011)
11. -M.V.Sc. degree under title "Study the effect of some medicinal plants on biochemical analysis in diabetic rats".(2011)
12. -Ph.D.degree under title" Nutritional effect of Curcumin , Ginger & Rose- mary on DNA damage and cytogenecity induced in rats".(2012)
13. M.V.Sc. degree under title” Ameliorating effect of Jojoba oil and Olive oil on DNA- damage , cytogenicity and some biochemical parameters in rats.”
14. Ph.D.degree under title “Effect of Fennel and Tigernut on DNA damage and Biochemical analysis in rats”
15. M.V.Sc. degree under title " Improved effects of curcumin on Habsidin hormone and some immunological effects and oxidative stress induced By Diazinon in male rats "
16. M.V.Sc. degree under title " Hepatoprotective effect of Moringa on induced DNA damaged in rats."

17. M.V.Sc. degree under title " Effect of Ciprofloxacin on DNA in rats."

♦ **Acknowledgment And Approval of Thesis**

1. -M.V.Sc.degree under title "Biochemical studies on some polluted food with some pesticides residue."(1997)

2. M.V.Sc.degree under title "Pharmacognostical study of sonchus oleraceus L. growing in Egypt."(1999)

3. -M.V.Sc.degree under title "A trial of use of antioxidant nutritional agent for compating toxicity of acrylamide." (2000).

♦ **Training and scientific project**

-Cooperation with Dr.Daniel sonnenshine –Old dominion university-USA.in project under title” control of anaplasmosis and babesiosis through biotechnology of Egypt. (1992)

-Training of chemistry of tick pheromones. Accomplished at Old Dominion university, Virginia, USA(1993)

♦ **Certificates:**

-(The Statistical Analysis for Quality Control and Quality Assurance).In Egyptian Atomic Energy Authority .10/4/2012

-The reasons for the lack of fertility in farm animals.-Animal Reproduction Research Institute. 19-23/2/2012

- Attend a workshop - accounts uncertainty- Animal Health Research Institute.16/1/2012
- Attend the session of Occupational Safety and Health- Animal Health Research Institute .23-25 October 2011
- Training module for proposal writing research and Project Management-Animal Health Research Institute- 27/2- 3/3 & 21-23/3/2011.
- Training on Portable Test System - Technical manager of Charles river Company - Animal Health Research Institute .18/10/2010.
- ISO 17025 - Animal Health Research Institute, Offered Between Jan. 11th to 15- 2009.
- Environmental health and its relationship to animal health and its impact in the production of meat and dairy to attend a session. Animal Health Research Institute.23/3-3-4/1997.
- Assessment of pesticides – Central Agriculture Pesticides Laboratory. 12/12/1993-6/1/1994.
- Training in USA on Chemistry of Tick pheromones . (1992-1993)

♦**Scientific activity**

●**Invention patent**

Biological resistance to tick animal by decoys . May (1996),No.537.

•-**A letter of thanks and appreciation from the Arab Organization for Agricultural Development Search;**

“Study of the effect of jojoba oil as antibacterial agent and growth promoter factor.”(1998).

- Rapporteur of First Conference of Chemistry and Environmental Health (2014)
- Rapporteur of Second Conference of Chemistry and Environmental Health (2015)
- chairman editor of Egyptian journal of chemistry and environmental health (2015)

♦ **Conferences**

- Attendance the first conference of chemistry and environmental health 13-16/11/2014
- Egyption Biosafety Associations Orientation to Biorisk Management.14-15/1/2013
- for scientific association of animal health research institute. 17-19-12-2012
- Attendance the Ninth Congress of Biochemistry and Molecular Biology and its role in the development and the environment-Ain Shams University 4-6/3/2012.
- Attendance and participation in the organization of Egyption Biosafety Association Workshop, Ain ElSukhna,22-23 October2010. “Security and bio-safety in the laboratory “

-The First Scientific Congress 6-8 MAY 2003, Kafr El-Sheikh Veterinary Medical Journal (Tanta University) and participation research publication in conference

-Participate in 25Arab Veterinary Medical Congress, (2001) and participation events conference and recommendations for it.

-Participate in 1st_ Scientific congress For Provincial Laboratories.15-17 May (2000). (Special Issue: Egypt. J. of Agric. Res.) and participation research publication in conference.

-Participate in 11th_Egyption Veterinary Medicine Association For Comparative Pathology Clinical Pathology congress -28-29 October 1998 (Suez canal University). and participation research publication in conference.

♦ **Training activities**

• **Lectures:**

1-Standard operating procedure of chemicals incide labs.(2012)
In Animal Health Research Institute

2- Laboratory biosafety of chemicals and risk assessment.(2010)
In Animal Health Research Institute .

3-Working Safely in Lab.(2010)- In Animal Health Research Institute .

4- Participate in training course – Pyrogen test unit, Department of Biochemistry - Animal Health Research Institute, in the period 18-22/10/2009. "Pyrogen test on biological and pharmaceutical products".

5-Seminar on "LAL pyrogen test" theoretical - Pyrogen test unit, Department of Biochemistry - Animal Health Research Institute, 16/8/2009.

6- Chemical Risk Assessment in lab.(2009)- Animal Health Research Institute

7- Laboratory biosafety of chemicals and wastes.(2008)- In Animal Health Research Institute

8-Chemical waste management.(2008)- In Animal Health Research Institute.

9- Incompatible chemicals and chemicals storage (2008). Ismailia Lab.- Animal Health Research Institute.

10- Biosafety in chemical lab.(2008).Damnhour lab.- Animal Health Research Institute.

11- Participate in training course - Department of Biochemistry – Animal Health Research Institute, in the period 2- 13/3/2008.

- Session title: GMP for quality control of drugs.

12- Bad uses of drugs (on DNA). In Animal Health Research Institute (2007).

13- Do part practical training course Department of Biochemistry -

Animal Health Research Institute, in the period 26/2/2006 – 9/3/2006.

- Session title:Egyptian standard specifications Qualitycontrol medicines.

14- Participate in training course Department of Biochemistry – Animal Health Research Institute, in the period March 5– 16 , 2005.

“Recent trends in quality control medicines”.

15- Do part practical training course Department of Biochemistry -

Animal Health Research Institute, in the period 8 - 19 March 2003.

“Impact of misuse of pesticides and veterinary medicines and fodder for animal health”.

16- Do part practical training course, Department of Biochemistry -

Animal Health Research Institute, in the period 29/12/2001 - 9/1/2002. “Impact of misuse of pesticides and veterinary medicines and fodder for animal health”.

♦ **Symposia:**

1- Attending seminar on “LAL pyrogen test (practical)” - Pyrogen test unit, Department of Biochemistry - Animal Health Research Institute, 9/9/2009.

2- Attending seminar on “Rabbit pyrogen test (practical)” - Pyrogen test unit, Department of Biochemistry - Animal Health Research Institute, 15/7/2009.

3- Attending seminar on “Rabbit pyrogen test (theoretical)” - Pyrogen test unit, Department of Biochemistry - Animal Health Research Institute, 26/4/2009.

4- Attending seminar on “Biosecurity in laboratories” - Pyrogen test unit, Department of Biochemistry - Animal Health Research Institute, 15/3/2009.

♦ Farm visits and missions

- Visit to factory and company (ADWIA) for Veterinary Medicines City of Tenth of Ramadan, within training programme, in (2008).

♦ المقالات العلمية والأرشادية والكتب:

- أهمية مشتقات الكينولون كمضادات حيوية (1999).
- الامان الحيوى داخل معامل الكيمياء- بنشرة الامان الحيوى(2008).
- مقالة منشورة بمجلة العلم التابعة لأكاديمية البحث العلمى بعنوان "الهوهوبا الذهب الأخضر" العدد 386 نوفمبر (2008).
- كتاب عن الأدوية البيطرية(1) المضادات الحيوية---تحت النشر

♦ المشاركات العلمية

- التعاون العلمى مع الهيئات العلمية المختلفة داخليا وخارجيا
- حضور المؤتمرات العلمية التى تقيمها الجمعية الطبية المصرية-
- الاشتراك فى مؤتمرات الطب البيطرى فى السنوات المختلفة-
- المشاركة بالحضور فى الندوات العلمية الخاصة بالادوية والتى تعقدها اكااديمية البحث العلمى فى السنوات المختلفة.
- حضور ورش العمل الخاصة بكتابة المشروعات بالمعهد والمركز(2011)

♦ العضوية

- عضو جمعية اعضاء هيئة بحوث مركز البحوث الزراعية منذ عام (2008).
- عضو الجمعية المصرية للامان الحيوى منذ عام(2009).
- عضو الجمعية الطبية المصرية
- عضو الجمعية العلمية لمعهد بحوث صحة الحيوان (2012)

- عضو مجموعة أبحاث التغذية الطبية - كلية العلوم الطبية التطبيقية بجامعة الملك عبد العزيز - المملكة العربية السعودية (2012)
- عضو لجنة الأبحاث والدراسات العلمية بالمعهد
- عضو اللجنة العلمية لتقييم الأبحاث بالمعهد

◆المشاريع

STDF Proposal:

Sustainable Development of small ruminant production in Sinai through feeding systems, crossbreed and reproduction.

♦**Scientific Papers:**

- 1) Experiments Confirming the Food Restricting Properties of Jojoba.

Hanan ,M. Sobhy; Mogda ,K. Mansour and Maha, M. Elkholy

Egypt. J. Chem. Environ. Health, 1 (1):52-63 (2015)

- 2) Hepatoprotective effect of fennel and tiger nut on biochemical parameters and DNA damage in rats

Hanan, M. Sobhy¹, Sohair, S Ahmad ²**Hanan, A. Azoz¹,** Areej, A. Yassin²

Egypt. J. Chem. Environ. Health, 1 (1):18-37 (2015)

- 3) Hepatoprotective Effect of Jojoba Oil on DNA Damage and Antioxidant Enzymes Induced by Cadmium in Rats

Hanan ,M. Sobhy ;Mogda, K.Mansour ;Amal , A. Zaki and Maha ,M . Elkholy

Egypt. J. Chem. Environ. Health, 1 (1):94-112 (2015)

- 4) Influence of vitamin C on cytogenicity and biochemical parameters in chlorpyrifos intoxicated rats

Naglaa F. Al-Shap*; Sahar M. El-Sheshtawy*; **Hanan M. Sobhy**** and Khaled E. El-Ekhnawy**

Egypt. J. Chem. Environ. Health, 1 (1):331-348 (2015)

5) Effects of Doxorubicin and Nanoparticle Zinc oxide on DNA damage and Hepatotoxicity induced by Carbon tetrachloride in rats.

Samir A. El-Masry¹; **Hanan, M Sobhy**²; Mogda, k. ansour² and Walid M. Abdalla¹

Egypt. J. Chem. Environ. Health, 1 (1):866-882 (2015)

6) Effects of curcumin on diazinon-induced biochemical and cytogenetical alterations in male rats

Mehanny, P.E^{*}; Somaya, O. El Deeb^{**}; Hanan, A. Tag El- Din^{*}; **Hanan, M. Sobhy**^{*}; Mogda, K. Mansour^{*} and Noha, A. Mahana

Egypt. J. Chem. Environ. Health, 1 (1):914-932 (2015)

7) Ameliorating effect of olive oil on fertility of male rats fed on genetically modified soya bean

Thanaa A. F. El-Kholy^{1*}, Hatim A. Al-Abbadi^{2,3}, Dina Qahwaji¹, Ahmed K. Al-Ghamdi⁴, Vishal G. Shelat⁵, **Hanan M. Sobhy**⁶ and Mohammad Abu Hilal⁵

Food & Nutrition Research 2015, 59: 27758

8) Comparative studies of Curcuma, Ginger, rosemary on DNA damage, Cytogenicity and Biochemical parameters in rats.

Sohair, S. Ahmed; **Hanan, M. Sobhy**; Elham, A. Mohamed; Hanan, A. Azoz and Hanan, A. Sultan

J. Vet. Sci 2014, (1), 1, 4-15

9) Ameliorating effect of Celery (*Apium gravealens*) and Sweet Marjoram (*Origanum marjoram*) on some parameters of diabetic male rats.

Reham, M. Raafat; **Hanan, M. Sobhy** and Amal, A. Zaki.
J. Vet. Sci 2014, (1), 1, 126-136

10) Influence of Probiotic Supplementation on growth performance and metabolic parameters in broiler chickens.

Reham, M. Raafat; Naglaa, Soliman; **Hanan, M. Sobhy** and Amal, A. Zaki.

J. Vet. Sci 2014, (1), 1, 485-497

11) The Effect of Extra Virgin Olive Oil and Soybean on DNA, Cytogenicity and Some Antioxidant Enzymes in Rats.

Thanaa A. El-Kholy*, Mohammad Abu Hilal, Hatim Ali Al-Abbadi, Abdulhalim Salim Serafi, Ahmad K. Al-Ghamdi, **Hanan M. Sobhy** and John R. C. Richardson .

Nutrients 2014, 6, 2376–2386;

12) Bacteriology studies on *Bacillus thuringiensis*.

AK. Al-Ghamdi and **Hanan, M. Sobhy**.

New York Science Journal 2013;6(12)

13) Study the effect of extra virgin olive oil in ameliorating the deleterious effects of soya bean on some biochemical parameters, and pathological changes in male rats.

Hesham ,S. Taha; Hanan ,A, Azoz; **Hanan, M. Sobhy**; Mogda, K. Mansour and Khadra
,Soliman.Anim.Healht.Res.J.1(4),2013:48-61

14) Studies on serum biochemical, cytogenetic changes and hepatoprotective effects of Mushroom (Lentinus-Edodes) in rats.

Hanan, M. Sobhy: Samya, El-M, Salama: Elham,A. Mohamed
. Egypt. J. of Appl. Sci., 23(12B) , 2008 : 386-404.

15) Ameliorating effect of Barley grains and Olive oil on DNA- damage induced by Ccl4 cytogenicity and some biochemical parameters in rats.

Elham, A.Mohamed : **Hanan,M. Sobhy**: Hanan, A. Azoz and Riham,M.
Egypt. J. of Appl. Sci., 23(12B) , 2008 : 405-428.

16) Effect of jojoba oil and / or vitamin C on the genotoxicity and some biochemical alterations in cadmium chloride intoxicated rats.

Hanan, M. Sobhy; Mogeda, K. Mansour; Nashwa, A. Abu Aita and Amal, A. Zaki
Egypt. J. of Appl. Sci., 23(4A) , 2008 : 1-19

17) The ameliorating effect of Allium cepa on organophosphorus insecticide- induced alteration in fertility and some biochemical parameters in male rats .

Mogda , K. Mansour ; Elham , A. Mohamed and **Hanan , M. Sobhy** .
Bull. Fac. Pharm. Cairo Univ. , Vol. 43 , No. 3 (2005) : 185-193
.

18) Influence of Jojoba meal supplementation on body gain, function of organs , biochemical parameters and the associated pathological alterations in male rats .

Hanah , M. Sobhy ; Elham , A. Mohamed ; Mogda , K. Mansour and Gehan, G. Shehab .
Kafr. El-Sheikh Vet. Med. J. .Vol. 1 , No. 1 (2003) : 961-982 .

19) Phytochemical and Pharmacological studies of Sonchus oleraceus .

Hanan , M. Sobhy ; Elham , A. Mohamed and Nahed , A. El-Kholy
Egypt. J. Comp. Pathol. & Clinic. Pathol. , Vol. 13, No. 1 (2000) : 89-98 .

20) Bacteriological and Pharmacological studies on Bacillus Thuringiensis .

Hanan , M. Sobhy ; Riad , E. M. ; Zaki , E. R. and Afaf , A. Yanny
Egypt. J. Comp. Pathol. & clinic. Pathol. Vol. 13 ,No. 2 (2000) : 169-183 .

21) Effect of vitamin B₁₂ on Chloramphenicol and thiamphenicol used on DNA , with reference to Cytogenetic , Biochemical analysis and Pathological studies in rats .

Hanan , M. Sobhy ; Elham , A. Mohamed ; Gehan , G. Shehab and Gehan,A. Hosny .

Egypt. J. Agric. Res. , Vol. 78 , No. 1 (2000) : 279-291 .

22) Antibacterial efficacy and Pharmacokinetic studies of Ciprofloxacin on Pasteurella multocida infected rabbits .

Hanan , M. Sobhy ; Riad , E. M. and Nahed El-Khouly .

Dtsch. Tierarztl. Wschr. 107 , (2000) : 151-155

23) Effect of Round up and 1,4-Dioxan on cytogenetic and fertility in male rats .

Hanan , M. Sobhy and Elham , A. Mohamed .

Beni-Suef Vet. Med. J. , Vol. 9 , No. 1 (1999) : 177-187

24) Effect of Marshal (carbosulfan , methyl carbamate) on reproductive system and thyroid gland in male rats .

G. S. Essawy and **Hanan , M. Sobhy** .

Vet. Med. J. . Giza (5th Scientific Congress Proceeding) Vol. 46 , No.4B (1998) : 809-819 .

25) Studies on Jojoba oil and its effect as antibacterial and growth promoters.

Hanan , M. Sobhy ; Riad , E. M. and Zaki , E. R.

Egypt. J. Comp. Pathol. &Clinic. Pathol. Vol. 11 , No. 2 (1998) : 221-234 .

26) Some Pharmacological and Pathological studies on *Allium sativum* (Garlic) .

M. A. El-Shater ; **Hanan , M. Sobhy** and Gehan J. Shehab .
Assiut Vet. Med. J. , Vol. 38 , No. 76 (1998) : 264-281 .

27) Effect of *Nigella sativa* extract on fertility on normal and *Pseudomonas* infected rats .

Hanan , M. Sobhy , Riad , E. M. and Zaki , E. R.
Vet. Med. J. , Giza , Vol. 46 , No. 1 (1998) : 7-15 .

28) Some Biological and Pharmacological studies on Jojoba oil .

Hanan , M. Sobhy and Elham , A. Mohamed .
Bull. Fac. Pharm. Cairo Univ. , Vol. 34 , No. 3 (1997) : 239-243 .

29) Comparative investigation of Ofloxacin and Doxycyclin on cytogenetic and biochemical analysis .

Hanan , M. Sobhy .
Egypt. J. Comp. Pathol.& Clinic. Pathol. , Vol. 10 No. 2 (1997) : 105-117 .

30) Effect of the anthelmintic (nitroxynil) on fetal development , sexual organs weight and epididymal sperm characters in rats .

Hanan , M. Sobhy .
Egypt. J. Comp. Pathol.& Clinic. Pathol. , Vol. 10 No. 1 , (1997) : 66-73 .

- 31) Pharmacological , Cytogenetic and Pathological effect of long-term administration of soyabean extract in rats .
Hanan , M. Sobhy ; Hanaa , A. oraby ; G. S. Essawy ; Gehan , G. Shehab and Gehan , A. Hosney .
Egypt. J. Comp. Pathol. & Clinic. Pathol. , Vol. 8 No. 2 (1995) : 87-100 .
- 32) Absence of cholesteryl esters on the body surface of *Boobhilus anulatus* and *Boophilus microplus* .
Aggour , M. G. ; **Sobhy , H.** ;Sonenshine , D. E. and Abd El-Gawad , A. F.
Alex. J. Vet. Sci. , Vol. 11 , No. 1 (1995) : 135-140 .
- 33) The hypoglycemic effect of volatile oil of some Egyptian plants .
G. S. Essawy ; **Hanan , M. Sobhy** and H. A. Elbanna .
Vet. Med. J. , Giza Vol. 43 , No. 2 (1995) : 15-20 .
- 34) Teratogenic , Cytogenic and Pathologic effects of Meotherin (pyrethroid) in rats .
Hanaa , A. Oraby ; **Hanan , M. Sobhy** and Gehan , G. Ahmed .
Beni-Suef Vet. Med. Res. , Vol. 5 , No. 2 (July) , (1995) : 265-283
- 35) Toxicity and teratogenicity studies on *Lupinus albus* .
Hanan , M. Sobhy ; G. S. Essawy and Y. S. Ibrahim .
Beni-Suef Vet. Med. Res. , Vol.5, No. 1 (January) , (1995) : 136-150.

36) Cholesteryl esters on the body surfaces of the camel tick ,
Haylomma dromedarii (Kock , 1806) .

Hanan , M. Sobhy ;Mohamed G. Aggour ; Daniel E.
Sonenshine and Michael Burridge .

Experimental and Applied Acarology , Vol. 18 , No. 5 (1994) :
265- 280 .

37) Toxicity and teratogenecity studies on soyabean extract .

Hanan , M. Sobhy ; A.H. Hassan ; G. S. Essawy and Y. S.
Ibrahim

Egypt. J. Comp. Pathol. & Clinic. Pathol. , Vol. 7 , No. 2
(September) (1994) : 423-431.

38) Influence of Lambada (synthetic pyrethroids) on fertility
and blood parameters in male rats .

G. S. Essawy ; H. A. Elbanna ; **Hanan , M. Sobhy** and Y.S.
Ibrahim .

Vet. Med. J. , Giza Vol , 42, No.1 (1994) : 71-75.

39) Pathological studies on the effect of pyrethroids aerosol on
albino rats.

Nabiha , R. A. Hassan; M.M. El-Mahdy; M.A.Hamouda;
Hanan, M.Sobhy and Eman , B. Mohamed.

Vet. Med. J. , Giza Vol. 42, No. 1 (1994) :23-29 .

40) Effect of long-term administration of fenvalerate
(synthetic pyrethroid) insecticide on chickens .

Hanan, M. Sobhy ; M.M. Bashandy and Y. S. Ibrahim .

Egypt. J. Comp. Pathol. & Clinic. Pathol. , Vol.7 , No. 1
(March) , (1994): 99-100.

41) Effect of cyfluthrin on fertility in male rats and its residues in sexual Organs .

Hanan , M. Sobhy ;A. B. Hassan and Kswther , A. El-Hady .
J. Biomed. Sci. Ther. , 9 (12) Dec. (1993) : 75-84 .

42) Chromatographic analysis of decoys extracts used for control of Haylomma dromedarri ticks of camels .

Hanan , M. Sobhy and A.B. Hassan .
Vet. Med. J. , Giza Vol. 41 , No. 2 (1993) : 87-92 .

43) Effect of chlordimeform on fetal development in rats .

Hanan, M. Sobhy and A.B.Hassan .
Vet. Med. J. , Giza Vol. 41 , No. 2 (1993) : 57-59 .