

Curriculum Vitae

Name : ELTAHIR MOHAMED HAROUN

Date of Birth : 1/7/1945

Nationality : Sudanese

Marital status: Married with 5 children

Academic qualifications:

Sudan School Certificate – Division one, 1965.

B.V.Sc., University of Khartoum, 1970

M.V.Sc., University of Khartoum, 1975

Ph.D., University of Edinburgh, 1979

Professional experience:

- 1970-1972: Assistant Research Officer, Veterinary Research Laboratory, Ministry of Agriculture, Food and National Resources, Khartoum.
- 1972-1975: Teaching Assistant and Research Student, Faculty of Veterinary Science, University of Khartoum.
- 1975-1979: Research Student, Royal (Dick) School of Veterinary Studies, University of Edinburgh.
- 1979-1984: Lecturer (Assistant Professor) Faculty of Veterinary Science, University of Khartoum.
- 1981-1984: Secretary, Editorial Board of the Sudan Journal of Veterinary Science and Animal Husbandry.
- 1984 : Promoted to Associate Professor, Faculty of Veterinary Science, University of Khartoum.
- 1984-1985: Sabbatical leave for 15 months as a research fellow at the Parasite Immunology Laboratory, University of Puerto-Rico (scholarship from Fogarty Center, National Institutes of Health, USA).
- 1985: Joined the College of Agriculture and Veterinary Medicine, King Saud University as an Associate Professor.
- 1986-1993: Head, Department of Veterinary Medicine, College of Agriculture and Veterinary Medicine. The department was established to qualify the students for the bachelor degree in veterinary medicine.
- 1995 Promoted to Professor, College of Agriculture and Veterinary Medicine, King Saud University.
- 2008 Professor, Department of Pathology, Faculty of Vet. Medicine, University of Khartoum
- 2010 Deputy Vice Chancellor , Almughtaribeen University, 2010.

- 2010-2014 Secretary for Academic Affairs of Almughtaribeen University.
- 2011- 2014 President, General Union of the Sudanese Veterinarians .
- 2011-2014 Member , Sudan Veterinary Council .
- 2015 Head, The trustees council of the Sudan - Guinea Friendship Society, member of the Council for International People's Friendship.

Supervision of graduate students:

Supervisor for:

- a) Two Ph.D. students, five M.V.Sc. students and co-supervisor for one M.V.Sc. student at the Faculty of Veterinary Science, University of Khartoum.
- b) M.V.Sc. student at the College of Agriculture and Veterinary Medicine, King Saud University.

Evaluation of research projects and papers:

I have participated in the evaluation of many research proposals presented to King Abdulaziz City for Science and Technology and other research institutions in the Kingdom of Saudi Arabia. I have also participated in reviewing many of the accepted projects as well as papers from many scientific journals and promotion committees .

Research projects:

- 1- Fascioliasis in the Sudan : Epidemiology, pathogenesis and control. Financed by The International Foundation for Science, National Council of Research and the University of Khartoum, (1982-1985). Principal investigator.
- 2- Use of ionizing radiation in the development of vaccines against *Fasciola hepatica* and *Schistosoma bovis* in Sudanese cattle, sheep and goats. Financed by the International Atomic Energy Agency, University of Khartoum and National Council of Research. (1982-1985). Principal investigator.
- 3- Studies on resistance to bovine schistosomiasis in Sudanese cattle Financed by the WHO. (1982-1985). Member of the research team.
- 4- Clinicopathological and toxicological effects of some pesticides, fungicides and herbicides on sheep and rats. Financed by the Research Centre of the College of Agriculture and Veterinary Medicine, King Saud University (1988-1989). Member of the research team.
- 5- Studies on some cases of disease caused by internal and external parasites of camels in Gassim Region. Financed by King Abdul Aziz City for Science and Technology (1992-1995). Member of the research team.

- 6-Comparative toxicity of two organophosphorus compounds (Diazinon and Malathion) in sheep. Financed by the Research Centre of the College of Agriculture and Veterinary Medicine, King Saud University (1997 -1999) . Member of the research team
- 7- Efficacy of Calatropis procera (latex) against *Haemonchus contortus* in Najdi sheep. Financed by the Research Centre of the College of Agriculture and Veterinary Medicine, (1999 – 2001). Member of the research team.
- 8- Efficacy of Calatropis procera (latex) against *Eimeria ovinoidalis* in sheep. Financed by the Research Centre of the College of Agriculture and Veterinary Medicine, King Saud University (1999-2001). Member of the research team.
- 9- Clinico-pathological effects of feeding high level dates rations to Najdi lambs .Financed by the Research Centre of the College of Agriculture and Veterinary Medicine, King Saud University.(2002-2003).Principal investigator.
- 10- Effect of zinc injection on the immunity against abscess disease. Financed by The Research Centre of the College of Agriculture and Veterinary Medicine, Qassim University (2007). Member of the research team.

PUBLICATIONS

Theses:

Haroun, E.M. (1975). Studies on fascioliasis in the Sudan with particular reference to the White Nile Province. M.V. Sc. Thesis, Khartoum.

Haroun, E.M. (1979). Studies on resistance to *Fasciola hepatica* in rats and rabbits. Ph.D. Thesis, Edinburgh.

Papers:

1. Haroun, E.M. and Hussein, M.F. (1975). Clinico-pathological studies on naturally-occurring bovine fascioliasis in the Sudan. *Journal of Helminthology*, 49, 143-152.
2. Hussein, M.F. and Haroun, E.M. (1975). Bovine cutaneous besnoitiosis in the Sudan: A Case report, *British Veterinary Journal*, 131, 85-88.
3. Haroun, E.M. and Hussein, M.F. (1976). Some clinicopathological aspects of experimental *Fasciola gigantica* infection in calves. *Journal of Helminthology*, 50, 29-30.
4. Hussein, M.F. and Haroun, E.M. (1976). The pathology of pulmonary and pancreatic fascioliasis in cattle. *Sudan Journal of Veterinary Science and Animal Husbandry*, 17, 60-67.
5. Haroun, E.M., Shommein, A. and Adlan, A. (1977). Experimental *Escherichia coli* mastitis in goats, *Bulletin of Animal Health and Production in Africa*. 25, 1-3.
6. Hussein, M.F. and Haroun, E.M. (1977). Pulmonary fascioliasis in Sudanese cattle. *British Veterinary Journal*, 133, 316-317.
7. Haroun, E.M., Hammond, J.A. and Sewell, M.M.H. (1980). Resistance to *Fasciola hepatica* in rats and rabbits following sensitizing infection and treatment. *Research in Veterinary Science*, 28, 377-399.
8. Haroun, E.M. Hammond, J.A. and Sewell, M.M.H. (1980). Resistance to *Fasciola hepatica* in rats and rabbits following implantation of adult flukes contained in diffusion chambers. *Research in Veterinary Science*, 29, 314-319.
9. Haroun, E.M. Hammond, J.A. and Sewell, M.M.H. (1981). Passive transfer of humoral resistance to *Fasciola hepatica* in rats and rabbits. *Research in Veterinary Science*, 30, 309-311.

10. Haroun, E.M., Hammond, J.A. and Sewel, M.M.H. (1982). Absorption of protective component from serum of cattle infected with Fasciola hepatica. Research in Veterinary Science, 33, 263-264.
11. Bushara, H.O., Gameel, A.A. Magid, A.A. Khittma, I., Haroun, E.M., Karib, E.A., Hussein, M.F. and Taylor, M.G. (1983). Observations on cattle schistosomiasis in the Sudan, a study in comparative medicine, VI. Demonstration of resistance to normal cercariae or transplanted adult worms. American Journal of Tropical Medicine, and Hygiene, 32, 1375,-1380.
12. Ali, B.H. and Haroun, E.M. (1984). Acute toxicity of Samorin (isometamidium chloride in rabbits). Comparative Biochemistry and Physiology C, 78 No. 2, 419-423.
13. Ali, B.H., Abdel Aziz, M. and Haroun, E.M. (1984) Mixed Malignant mammary tumor in a Sudanese bitch: a case report. Veterinary Medicine Journal, Giza 32, 19-21.
14. Ali, B.H., Hassan, T., Haroun E.M. and Abusamra, M.T. (1985). The effect of niclofolan on desert sheep experimentally infected with immature Fasciola gigantica. Journal of Veterinary Pharmacology and Therapeutics, 8, 398-403.
15. El Samani, F. Mahmoud, O.M., Fawi, M.T., Gameel A.A. and Haroun, E.M. (1985). Serum enzyme activity and bilirubin concentration in sheep experimentally infected with Fasciola gigantica. Journal of Comparative Pathology 95, 353-357.
16. Haroun, E.M., A. Gadir, H. and Gameel, A.a. (1986). Studies on naturally occurring ovine fascioliasis in the Sudan. Journal of Helminthology 60, 47-53.
17. Yagi, A.I., Younis, S.A., Haroun, E.M., Gameel, A.A., Bushara, H.O. and Taylor, M.G. (1986). Studies on heterologous resistance between Schistosoma bovis and Fasciola gigantica in Sudanese cattle, Journal of Helminthology 60, 55-59.
18. Younis, S.A., Yagi, A.I., Haroun, E.M., Gameel, A.A. and Taylor, M.G. (1986). Immunization of Zebu calves against Fasciola gigantica using irradiated metacercariae. Journal of Helminthology, 60, 123-134.
19. Haroun, E.M. and Hillyer, G.V. (1986). Resistance to fascioliasis, Veterinary Parasitology 20, 63-93.
20. Farah, M.O., Haroun, E.M. and Shanawani, M.M. (1986). Ovarian adenocarcinoma in an indigenous domestic fowl in Saudi Arabia, a case report. Proceedings of the Saudi Biological Society, 9, 123-126.

21. A/Gadir, H., Haroun, E.M. and Gameel, A.A. (1987). The protective effect of irradiated metacercariae of Fasciola gigantica against homologous challenge in sheep. *Journal of Helminthology* 61, 137-142.
22. El Sanhoury, A.A., Haroun, E.M., Gameel, A.A. and Bushara, H.O. (1987). Protective effect of irradiated metacercariae of Fasciola gigantica and irradiated cercariae of Schistosoma bovis against fascioliasis in goats. *Tropical animal Health and Production* 19, 245-250.
23. Hillyer, G.V., Haroun, E.M., Hernandez, A. and Galanes M.S. (1987). Acquired resistance to Fasciola hepatica in cattle using a purified adult worm antigen. *The American Journal of Tropical Medicine and Hygiene* 37, 363-369.
24. Haroun, E.M. (1987). The impact of trematodes on animal health and production and prospects of control. *Proceedings of the International Conference on Animal Production in Arid Zones*. Damascus, Syria. 572-596.
25. Farah, M.O., Omer, A., Abdel Aziz, S.A. and Haroun, E.M. (1988). Therapeutic trials with extracts from Rhazya stricta against sarcoptic mange dermatitis in sheep. *Zagazig Veterinary Journal* 16, No. 1, 1-13.
26. Abdel Aziz, S.A., Farah, M.O., Haroun, E.M. and Omer, A. (1988). Biological studies of Ferula sinatica Boiss, "Kalkh" in sheep and rats. *Zagazig Veterinary Journal* 16, No. 1, 87-97.
27. Abdel Aziz, S.A., Haroun, E.M., Farah, M.O. and Omer, A. (1988). Biological and toxicological studies of Euphorbia retusa "Ghazala" in sheep and rats. *Zagazig Veterinary Journal* 16, No. 1, 98-112.
28. Haroun, E.M. and Hillyer G.V. (1988). Cross resistance between Schistosoma mansoni and Fasciola hepatica in sheep. *The Journal of Parasitology* 74, No. 5, 790-795.
29. Haroun, E.M., Yagi, A.I., Younis, S.A., El Sanhouris A.A., Gadir, H.A., Jameel, A.A., Bushara, H.O. and Taylor (1988). Use of inoizing radiation in the development of vaccines against Fasciola gigantica and Schistosoma bovis in Sudanese cattle, sheep and goats, In: "Nuclear techniques in the study and control of parasitic diseases of livestock. " International Atomic Energy Agency Panel Proceedings series, P. 1-12.
30. Haroun, E.M., El Sanhoury, A.A. and Gameel (1989). Response of goats to repeated infections with Fasciola gigantica. *Veterinary Parasitology*, 30, 287-296.
31. Farah, M.O. and Haroun, E.M. (1989). Dictyocaulus cameli in Najdi deromedaries. *Zagazig Veterinary Journal* 17, No. 4, 190-198.

32. Farah, M.O. Haroun, E.M. and Abdeaziz, S.A. (1989). Effect of Carbendazim (Bavistin) given orally to sheep. *Journal of Zagazig Veterinary Journal* 17, No. 4, 211-225.
33. Haroun, E.M., Abdel-Aziz, S.A. and Farah, M.O. (1989). Effects of oral administration of the herbicide Isoxaben (cent-7) on rats. *Zagazig Veterinary Journal* 17, No. 4, 226-235.
34. Farah, M.O., Abdel-aziz, S.A. and Haroun, E.M. (1989). Chronic toxicity of Methidathion (Supercide) in sheep. *Zagazig Veterinary Journal* 17, No. 4, 236-248.
35. Farah, M.O., Abdel-aziz, S.A., Haroun, E.M. and Mahmoud, M.F. (1989). Clinico-pathological effects” of oral administration of the herbicide Diclofop methyl (Hoegrass) to rats. *Zagazig Veterinary Journal* 17, No. 1. 4, 271-281.
36. Farah, M.O., Abdel Aziz, S.A., Haroun, E.M. (1989). Studies on the effects of daily oral administration of Lambda cyhalothirn (Karate) to rats. *Zagazig Veterinay Journal* 17, No. 4, 282-291.
37. Morshdy, A., Abdel Mageed, E.M., Ammar, A., Saleh, R. and Haroun, E.M. (1991). Chemical and histological evaluation of a meat product marketed in El Gasseem. *Zagazig Veterinary Journal* 19, No. 1, 90-100.
38. Morshdy, A., Ammar, A., Saleh, R., Elnaenaey, E. and Haroun, E.M. (1991). Quality evaluation of frozen chicken meat burger. *Zagazig Veterinay Journal* 19, No. 1, 61-68.
39. Morshdy, A., Ammar, A., Saleh, R., Elnaenaey, E. and Haroun, E.M. (1991). Sanitary studies on sausage marketed in El Gassim. *Zagazig Veterinay Journal* 19, No. 1., 115-122.
40. Farah, M.O., Abdelaziz, S.A., Haroun, E.M. and Khairy M.H. (1991). Clinico-pathological effects of oral administration of Tralkoxydim “Grasp” in sheep. *Zagazig Veterinary Journal*. 19, No. 3, 758-767.
41. JAJA, L.K., Mahmoud, O.M. and Haroun, E.M. (1991). Sheep diseases caused by feed mineral concentration imbalance in intensive sheep production farms, Central Sudan. *Veterinary Medical Journal, Giza*, 39, No. 3, 871-874.
42. Haroun, E.M., ALI, M.A.M., Abdelrazig, Y.M. and Gameel, A.A. (1991). Epidemiological studies on fascioliasis in Central and Western Sudan. *Sudan Journal of Veterinary Science and Animal Husbandry* 30, No. 1, 51-56.
43. Haroun, E.M., Farah, M.O., Ibrahim, I.A. and Mahmoud, O.M. (1992). Copper deficiency in Najdi sheep in Central Saudi Arabia, *Indian Veterinary Journal* 69, 782-785.

44. Abdel Aziz. S.A., Omar, A.A., Haroun, E.M. and Farah, M.O. (1992). Clinicopathological and toxicological studies of oral administration of *Rhazya stricta* extract :Harmal” in rats. Journal of King Saud University. Volume 4, Agricultural Sciences (1) pp. 117-123.
45. Magzoub, M., Morshdy, A., Saleh, R., Mahmoud, O., Omar, O. and Hour, E.M. (1992). Hydatidosis in slaughtered sheep in Gassim region. Zagazig Veterinary Journal. 19, No. 4, 845-853.
46. Farah, M.O., Abdel Aziz. S.A., Harraz, F.M. and Haroun, E.M. (1992). Studies on the toxic effects of an aqueous extract of *Astragalus kahiricus* DC. Orally administered to rats. Alexandria Journal of Pharmaceutical Sciences 6(2), 125-129.
47. Abdel Aziz, S.A., Farah, M.O., Harraz, F.M. and Haroun, E.M. (1992). Studies on the toxic effects of the aqueous extract of *Euryops arabicus* orally administered to rats. Alexandria Journal of Pharmaceutical Sciences 6(2), 138-141.
48. Magzoub, M., Omer, O.H., Haroun, E.M. and Mottelib, A.A. (1992). An outbreak of *Theileria annulata* infections among Frisian Cattle at Al Gassim area of Saudi Arabia. Assiut Veterinary Medical Journal 28, No. 55, 204-212.
49. Haroun, E.M. (1994). Normal concentrations of some blood constituents in young Najdi camels (*Camelus dromedarius*). Comparative Biochemistry and Physiology, 108(4), 619-622.
50. Mahmoud, O.M., Sulman, A., Haroun, E.M., Abdel-Magied, E.M., Hameid, Y.M.A. and Ibrahim, I.A. (1994). Treatment of cerebrospinal nematodosis in young goats with ivermectin. Tropical animal Health and Production. 26, 177-179.
51. Mahmoud, O.M., Haroun, E.M. and Sulman, A. (1994). Hepatobiliary coccidiosis in a dairy goat. Veterinary Parasitology, 53, 12-15.
52. Haroun, E.M., Ramadan, A. and Mahmoud, O.M. (1995). Toxicity of *Heliotropium bacciferum* to Najdi sheep. Indian Veterinary Journal, 72, 631-633.
53. Haroun, E.M., Mahmoud, O.M., Magzoub, M., Abdel Hamid, Y. and Omer, O.H. (1996). The haematological and biochemical effects of gastro-intestinal nematodes prevalent in camels (*Camelus dromedarius*) in Central Saudi Arabia Veterinary Research communications, 20, 255-264.
54. Magzoub, M., Omer, O.H., Haroun, E.M., Mahmoud, O.M. and Abdel Hamid, Y.M. (1997). Gastrointestinal parasites of dromedary camels in Gassim region, Saudi Arabia. Indian Veterinary Journal, 84, 373-376.

55. Magzoub, M., Haroun, E.M., Mahmoud, O.M. Omer, O.H. and Abdel Hamid, Y.M. (1998). Parasitological and clinico-pathological profiles in sheep experimentally infected with the camel nematode Haemonchus longistipes. Indian Veterinary Journal, 75, 1085-1088.
56. Omer, O.H., Magzoub, M., Haroun, E.M., Mahmoud, O.M. and Abdel Hamid, Y. (1998). Diagnosis of Trypanosoma evansi in Saudi Arabian camels (Camelus dromedarius) by the passive haemagglutination test and Ag-ELISA, Journal of Veterinary Medicine, B 45, 627-633.
57. Fatima Al Humaid, Mahmoud, O.M., Haroun, E.M., Magzoub, M., Al Qarawi, A.A., Omer, O.H. and Sulman A. (1999). Trichosomoides crasicauda infection in Wistar rats. Journal of the College of Science, King Saud University.
58. Mahmoud, O.M., Haroun, E.M., Magzoub, M., Al Qarawi, A.A. Omer, O.H. and Sulman, A. (1998). Coccidial infections in camels of Qassim regions, Central Saudi Arabia. Journal of Camel Practice and Research, 5, (2)-257-260.
59. Al Qarawi, A.A. Mahmoud, O.M., Haroun, E.M., Sobieh, M. and Adam, S.E.I. (1999). Comparative effects of Diazinon and Malathion in Najdi sheep. Veterinary and Human Toxicology, 41, (5)-287-289.
60. Abbas, B., Mahmoud, O.M., Haroun, E.M. and Elfaki, M.G. (1999). Ventricular encephalitis due to Asperigillus fumigatus infection in a goat. Revue de elevage et de medecine veterinaire des pays tropicaux, 52 (3-4). 245-247.
61. Magzoub, Omer, O.H., M., Haroun, E.M. and Mahmoud, O.M. (2000). Effects of season on gastrointestinal nematode infection in Saudi Arabian camels (Camelus dromedarius). Journal of Camel Practice and Research, 7(1), 101-106.
62. Haroun, E.M., Magzoub, M., Mahmoud, O.M., Al Qarawi, A.A., Al-Hawas A.M. and Omer, O.H. (2000). Some clinicopathological aspects of experimental Trypanosoma evansi infection in Najdi camels (Camelus dromedarius). Journal of Camel Practice and Research, 7(1), 107-108.
63. AL Qarawi, A.A., Mahmoud, O.M., Sobieh, M., Haroun, E.M., and Adam, S.E.I. (2001). A preliminary study on the anthelmintic activity of Calatropis procera (latex) against Haemonchus contortus infection in Najdi sheep. Veterinary Research communications, 25, 61-70.
64. Abbas, B., Haroun, E.M., Mahmoud, O.M. and Al-Hawas, A. (2001). Clinicopathological investigation of selenium responsive myopathy in young adult camels. Journal of Camel Practice and Research, 9, 132-137.

65. Mahmoud,O.M, Haroun,E.M., Abbas,B. and Sobieh,M.A.(2001). Stress – induced sickling of erythrocytes in red deer fawns . Suez Canal Journal of Veterinary Medicine . 329-336.
66. Mahmoud, O.M., Haroun, E.M., Elfaki, M.G. and Abbas, B. (2002) . Pigmented paratuberculosis granulomata in the liver of sheep. Small Ruminant Research ,43, 211-217.
67. Mahmoud, O.M., Haroun, E.M., Sobieh, M.A., Omer, O.H. and Adam, S.E.I.(2002) . Comparative efficacy of Calatropis procera (latex) and sulfadimidine against experimentally induced Eimeria ovinoidalis infection in Najdi lambs.Small Ruminant Research, 42,135-140.
68. Elfaki, M.G., Abbas, B. , Mahmoud, O.M., Haroun, E.M. and Abdel Magied, E.M. (2002). Septicaemic pasteurellosis in ostriches (Struthio camelus) in Central Saudi Arabia. The Veterinary Journal,163,218-222.
69. Omer, O.H., EL-Malik, K.H., Mahmoud, O., M., Haroun, E.M., Hawas, M. and Magzoub, M. (2002). Haematological profiles in pure-breed cattle naturally infected with Theileria annulata in Saudi Arabia. Veterinary Parasitology , 234, 1-8.
70. Haroun, E.M, Mahmoud, O.M. and Adam S.E.I.(2002) Effect of feeding Cuminum cyminum fruits , Thymus vulgaris leaves or their mixture to rats, Veterinary and Human Toxicology , 44, No2, 67-69.
71. Omer, O.H., Haroun, E.M., Mahmoud, O.M., Abdel Mageid, E.M., El- Malik, K.H., Hawas, A. and Magzoub, M.. (2003). Parasitological and clinico-pathological profiles in Friesian cattle naturally infected with Theileria annulata in Saudi Arabia. Journal of Veterinary Medicine B 50 , 1-4.
72. Omer, O.H., El-Malik, K.H.,Magzoub, M., Mahmoud,O.M., Haroun, E.M.,Hawas A. and Omer, H.M.(2003). Biochemical profiles in Friesian cattle naturally infected with Theileria annulata in Saudi Arabia. Veterinary Research Communications 27 , 15-25.
73. Ali, B. H., Al-Qarawi, A. A., Haroun, E. M. and Musa ,H. M. (2003). The effect of Treatment with Gum Arabic on Gentamicin nephrotoxicity in rats : a preliminary study . Renal Failure 25, No. 1, 15-20.
74. Haroun, E.M, El Metenawi, T.E., Omer, O.H., Ali, B.H. and Mahmoud, O.M. (2003). A preliminary comparative study on the efficacy of quinapyramine sulphate/chloride (Triquin) and melarsolprol (cymelarasan) in rats experimentally infected with Trypanosoma evansi.Bulgarian Journal of Veterinary Medicine 6, 215-221.

75. Mahmoud, O.M., Haroun,E.M. and Omer, O.H. (2004). An outbreak of neurofilariosis in young goats .Veterinary Parasitology 120,(1-2),151-156.
76. Al-Qarawi, A. A., Ali, B. H., Haroun, E. M., AL-Sobayel, F. A., Al-Wabel, N. A. and Omer, O. H. (2006). Transportation stress in camels and goats. Proceedings of the International Scientific Conference on Camels. College of Agriculture and Veterinary Medicine, Qassim University, 9-11 May 2006. pp 1323 – 1330.
77. Haroun, E.M.,Omer.O.H., Mahmoud, O.M. and Daraz A.A. (2008). Serological Studies on Hydatidosis in camels in Saudi Arabia. Research Journal of Veterinary Sciences 1(1): 71-73.
78. Mahmoud, O.M., Haroun, E.M. and Omer, O.H. (2009). The effect of zinc injection on the duration of protection against abscess disease in vaccinated ewes. Research Journal of Veterinary Sciences .2 (1), 10-13.

Books:

1. Notes on Veterinary Medicine and Animal Health (1989). Textbook for the second year students of the Agricultural Institute at Buraydah. E.M. Haroun, M.O. Farah, S.A.A. Rahim and F.S. Othman. Published by The General Institute for Technical and Vocational training, Saudi Arabia.pp.1-194
2. Notes on Veterinary Medicine and Animal Health (1989). The practical course for the second year students of the Agricultural Institute at Buraydah. E.M. Haroun, M.O. Farah, S.A.A. Rahim and F.S. Othman, Published by The General Institute for Technical and Vocational training, Saudi Arabia.pp.1-92
3. Notes on Veterinary Medicine and Animal Health (1990). Textbook for the third year students of the Agricultural Institute at Buraydah. A.M. Ammar, E.M. Haroun, M.O., Farah and F.S. Othman. Published by The General Institute for Technical and Vocational training, Saudi Arabia.pp.1-258
4. Notes on Veterinary Medicine and Animal Health (1990). The practical course for the third year students of the Agricultural Institute at Buraydah, A.M. Ammar, E.M. Haroun, M.O., Farah and F.S. Othman. Published by The General Institute for Technical and Vocational training, Saudi Arabia.pp.1-116
5. Principals of General Veterinary Pathology. E. M. Haroun, O. M. Mahmoud and M. F. Hussein (2007). Published by Qassim University.pp.1-236

Translation:

1. Guide to Meat Inspection in the Tropics, by J.R. Mitchell. Translated to Arabic by A.M. Morshdy and E.M. Haroun (1997). Published by King Saud University.pp.1-153
2. Handbook on Animal Diseases in the Tropics. Edited by M.M.H. Sewell and D.W. Brocklesby. Translated to Arabic by E.M. Haroun and M.O. Farah (1999). Published by King Saud University.pp.1-740

PARTICIPATION IN CONFERENCES :

- 1- Haroun, E.M. (1973). Observations on the serodiagnosis of animal and human schistosomiasis in the Sudan, Proceedings of the 6th Veterinary Conference, Wad Madani, Sudan.
- 2- Meetings of the Royal Society of Tropical Medicine and Hygiene, Edinburgh and Glasgow, 1977, 1987.
- 3- Workshop on the serodiagnosis of bovine systicercosis, Edinburgh, (1978) (The Scientific Veterinary Commission of the European Economic Community).
- 4- Workshop on Camels, Khartoum, 1979. (Sudanese National Council for Research and International Foundation for Science). Khartoum.
- 5- Haroun, E.M., (1981). Observations on the control of fascioliasis and schistosomiasis in livestock in the Sudan : Proceedings of the First Regional Veterinary Conference of Kordofan. El Obeid, Sudan (In Arabic).
- 6- A/Gadir, H. and Haroun, (1982). An immunization trial against fascioliasis in sheep. Proceedings of the 3rd. Pan-African Veterinary Congress. Khartoum.
- 7- Yagi, A.I. Haroun, E.M. (1982). Resistance to homologous challenge with Fasciola gigantica in cattle. Proceedings of the 3rd. Pan-African Veterinary Congress, Khartoum.
- 8- Younis, S. and Haroun, E.M. (1982). Stimulation of resistance against Fasciola gigantica in cattle with irradiated metacercariae of flukes. Proceedings of the 3rd. Pan-African Veterinary Congress, Khartoum.
- 9- Haroun, E.M. (1983). Studies on resistance to Fasciola gigantica infections in Sudanese animals First Research Coordination Meeting on “The use of Nuclear

Techniques in the Study and Control of Parasitic Diseases of Farm Animals”, Nairobi, Kenya.

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- 44- The 80th Assembly of the World Organization for Animal Health OIE, Paris,20-25 May 2012.
- 45- The 30th Arab Veterinary Medical Congress, organized by the Egyptian Veterinary Medical Association , Cairo, 12-14 May 2014 .

Teaching :

I taught or participated in teaching the following courses for under-graduate or graduate students in various colleges of veterinary medicine :

- 1- General Veterinary Pathology.
- 2- Systemic Veterinary Pathology.
- 3- Animal and Poultry Diseases (for non-majors) .
- 4- Animal and Poultry Health (for non-majors) .
- 5- Poultry Diseases .
- 6- Animal Husbandry
- 7- Introduction to Veterinary Medicine (for non- majors)
- 8- Scientific English.
9. Scientific English (for MVM students)
10. Diagnostic Pathology (for MVM students).
11. Camel diseases

Examinations:

I participated in the examination committees of many M.V.Sc. and Ph.D. students in many veterinary colleges.

Community Service :

Participation in the community service was carried out through the following :-

- a. Veterinary extension activities through lectures, symposia, booklets and pamphlets about animal diseases.
- b. Diagnosis of cases sent from veterinary clinics. Post-mortem examination, histopathological, biochemical and serological techniques have been employed in the diagnostic activities.

* Who's Who in the World (1999) p. 648 .