



CURRICULUM VITAE

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Amel Omer Bakhiet

B.V.M., M.V.Sc., Ph.D.,

Professor of Veterinary Pathology

Deanship of Scientific Research



Sudan University of Science and Technology

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<https://scholar.google.com/citations?user=u0aDtFEAAAj&hl=en>

2019

Curriculum Vitae

Name: Amel Omer Bakhiet El Awad

Academic status: Professor

Nationality: Sudanese

Sex: Female

Religion: Muslim

Marital status: Married with four children

Language: Arabic – Mother Tongue

English

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Education

1972 – 1975 Khartoum High Secondary Schools for Girls

1967 - 1972 Khartoum- North (Al Amirria2), Intermediate School for Girls

1963 - 1967 Khartoum-North (Al Izba), Elementary School for Girls

Qualifications

1995 Ph.D. Vet. Science (Pathology /Toxicology /Nutrition), Faculty of Veterinary Science, University of Khartoum

1985 M.V.Sc. Vet. Pathology, Faculty of Veterinary Science, University of Khartoum

1980 B.V.Sc. Faculty of Veterinary Medicine, University of Cairo

Awards

1- Scholarship from the National Research Centre for studies leading to M.V.Sc. degree. Thesis entitled: **The Effect of Copper and Zinc in Sudanese Desert Sheep**, Pathology Department, Faculty of Veterinary Science. University of Khartoum, Sudan.

2- Scholarship from the Sudan Government for studies leading to PhD degree Thesis entitled: **Comparative Effects on Chicks of some Indigenous Plants**, Pathology Department and Medicine, Pharmacology and Toxicology Department, Faculty of Veterinary Science, University of Khartoum, Sudan.

Position held and Experience

- March 2012 – Present: Dean Deanship of Scientific Research
- October 2009 – March 2012 Dean College of Veterinary Medicine
- May 2009 – October 2009 Dean College of Veterinary Medicine and Animal Production
- 2006 – May 2009. Head Department of Pathology, Parasitology and Microbiology
- 2002-May 2006. Head Department of Clinical Studies - College of Veterinary Medicine and Animal Production, Sudan University of Science and Technology
- 2003- Now. Associate professor, College of Veterinary Medicine and Animal Production, Sudan University of Science and Technology

- **2001-2004 Coordinator of the Veterinary Surgery Master program**, College of Veterinary Medicine and Animal Production, Sudan University of Science and Technology
- **2001 – 2003**. Assistant Professor, College of Veterinary Medicine and Animal Production, Sudan University of Science and Technology
- **1996–2001** Director of Training Administration, Ministry of Animal Resources and Fisheries
- **1992 – 1995 Post graduate student**, Pathology Department and Medicine, Pharmacology and Toxicology Department, Faculty of Veterinary Science, University of Khartoum, Sudan. Ph.D. Thesis entitled: Comparative Effects on Chicks of some Indigenous Plants.
- **1985 – 1991** Veterinary officers at Veterinary Medical Supplies, Regional Affairs, Veterinary Services, Veterinary Extension, Khartoum Veterinary Teaching Hospital
- **1991-1993** Member of the P.U. Technical Office, Animal Resources, Khartoum.
- **1983 - 1985** Post graduate student; Pathology Department, Faculty of Veterinary Science, University of Khartoum, Sudan M.V.Sc. Thesis entitled: The Effect of Copper and Zinc in Sudanese Desert Sheep.
- **1980- 1982** Veterinary officer, Ministry of Animal Resources.

Training Courses

- **2007 Separation and purification techniques used for preparation of diagnostic and protective antigens, Biotechnology Centre for Services and Researches, Faculty of Veterinary Medicine , Cairo University**
- 2001 Training course in Methods of Teaching and Evaluation, Sudan University of Science and Technology
- 2000 Series of Laboratory Training in Genetics, Molecular Biology and Recombinant DNA Technology, Department of Zoology, Faculty of Animal Science, University of Khartoum.
- 2000 Statistics and Experimental Design Course, Nutrition Unit, Animal Resources Corporation.
- 1999 Concepts of Fish Farms Seminar, National Centre for Animal Production and fisheries, Khartoum.

- 1998 Molecular Biology Techniques in Research and Diagnosis of Infectious Diseases, Institute of Endemic Diseases, University of Khartoum.
- 1997 Animal Health Information System Course, Khartoum Veterinary Teaching Hospital.
- 1996 Concepts of Environment Studies, Institute of Environmental Studies, University of Khartoum.
- 1995 Meat Technology Course, Regional Institute for Meat Inspection, Khartoum North.
- 1994 Epidemiology Course, Department of Preventive Medicine, Faculty of Veterinary Science, University of Khartoum.
- 1993 Computer courses. Developmental Studies and Research Centre (DSRC), University of Khartoum

2- University Staff Performance Development Centre (USPDC), SUST. (12/6/2011- 23/6/2011) Advance Training Course in management development and capacity building.

3- University Staff Performance Development Centre (USPDC), SUST. (5/12/2010- 23/12/2010) Basic Training programme for the developing the Professional performance of the University Staff

4-Management Development Centre (18/7/2010- 29/7/2010) الادارة الفعالة فى الجامعات

5- Self evaluation and quality assurance center (SUST) (6/6/2010- 7/6/2010) نماذج المحاكاة: دورة متقدمة للمقومين الخارجيين وفنيات اعداد تقارير التقييم الخارجى

6- Self evaluation and quality assurance center (SUST) (23/3/2010- 24/3/2010) Accreditation and - assessment concepts in higher education

2011 ورشة عمل التعليم البيطري في السودان (الماضي - الحاضر - المستقبل) - اتحاد البيطرة

السودانيين وجامعة السودان للعلوم والتكنولوجيا (عام الطبيب البيطري)

Activities in the University and College:

- Member of the Sudan University of Science and Technology Senate 2006 – to Date.
- As Dean Member of Dean's Council
- As Dean Member of all University Committees 2009-to date
- As Dean: Chairman College Board / Chairman College Research Board
- Member, committee of Veterinary Drugs and Poisons 2009-to date
- Member, committee of Promotion -Veterinary Research Cooperation 2009-to date
- Member of the College of Graduate Studies Research Board 2009-to date
- Member of the College of Medical Laboratories Sciences Research Board 2008-todate
- Member of the Centre for Peace Culture Studies Research Board 2008-to date
- Member, committee for proposing the upgrade of the Department of Veterinary Medicine and Surgery to College of Veterinary Medicine 2008.
- Promoted Full Professor in Veterinary Pathology, 2008.
- Member of the Research Board of the Total Quality Centre, 2006- to Date
- Member of the College of Graduate Studies Research Board 2004-2007
- Member of the College Board 2006 – to Date.
- Head, Department of pathology, Parasitology and Microbiology 2006- to Date
- Member of the College Research Board 2002- to Date.
- Member, committee of curriculum development of the Veterinary Medicine Section 2002-2006
- Promoted Associate Professor in Veterinary Pathology, 2003.
- Head, Department of Clinical Studies 2002 - 2006
- Member, committee of Assessment and Accreditation in the College 2006 – to Date.
- Member, committee for proposing MSc. degree programme in Veterinary Epidemiology 2001.

Teaching activity

- 1983 – 1985 I participated in teaching the practical courses of Veterinary Pathology to 4th veterinary students

- 1995-1996 I have shouldered the responsibility of teaching the theoretical and practical courses of Applied Nutrition to under - graduate students in the Faculty of Agriculture, University of Khartoum.
- 2001 I have shouldered the responsibility of teaching Veterinary Physiology to Veterinary Medicine, Animal Production and Wildlife students, Sudan University of Science and Technology.
- 2002- to Date I have shouldered the responsibility of teaching Chemical Toxicology to 5th and 4th year students, Biochemistry Department, Faculty of Science and Technology and Faculty of Medical Laboratories and Biological Sciences, El Neelain University.
- 2002-2003 I have shouldered the responsibility of teaching Veterinary Histology to Veterinary Medicine students, College of Veterinary Medicine, Sudan University of Science and Technology.
- 2003-2006 I have shouldered the responsibility of teaching Fish Diseases and Wildlife diseases to 5th Year Veterinary Medicine students, College of Veterinary Medicine, Sudan University of Science and Technology.
- 2003-2006 I have shouldered the responsibility of teaching Laboratory Clinical Diagnosis to 5th Year Veterinary Medicine students, College of Veterinary Medicine, Sudan University of Science and Technology.
- 2001 I participated in teaching Veterinary Physiology to second year students, Faculty of Veterinary Medicine, Bahr El Gazal University.
- 2001- to Date I have shouldered the responsibility of teaching Bio-membranes to the 4th year students, Biochemistry Department, Faculty of Science and Technology, El Neelain University.
- Now as a member of Pathology Department, College of Veterinary Medicine I took my responsibility of teaching students Veterinary Pathology:
Teaching General, Pathology and Systemic Pathology to 3rd Year Students, Veterinary Medicine and Surgery Section, College of Veterinary Medicine and Animal Production, Sudan University of Science and Technology.

Post – graduate Courses:

- **2014 – 2017** I have shouldered the responsibility in teaching Veterinary clinical pathology course to **Masters** students (Pharmacology and Toxicology) Faculty of Veterinary Medicine - University of Khartoum

- **2014 – 2017** I have shouldered the responsibility in teaching Research Methodology course to **Master** Students, (Biochemistry and Molecular Biology) Faculty of Science and Technology El Neela in University
- **2010-2011** I have shouldered the responsibility in teaching the surgical pathology course (theory and practical) to **M Sc.** of Veterinary Surgery Students, College of Veterinary Medicine
- **2001-2002** I participated in teaching Advanced surgical pathology (practical and theory) to **M Sc.** of Veterinary Surgery Students, College of Veterinary Medicine and Animal Production, Sudan University of Science and Technology, 2001-2002.
- 1996- to Date External Examiner for Pathology, Toxicology, Pharmacology and Medicine, to 3rd, semi final and final veterinary students, Khartoum University.
- 2007 External Examiner for Pathology to 3rd veterinary students, Bahrelghazal University

Research Activities

My research work covers the following aspects:

- Pathological studies on trace elements in young ruminants.
- Investigations of mineral concentrations in livestock, poultry and plants.
Studies of the development, pathogenesis, diagnosis and treatment of hepatic and extra hepatic diseases in poultry and livestock with emphasis on medicinal / toxic plants.
- Effect of feed additives on growth and meat quality and chemical composition in small ruminants and chickens.

In these studies, clinical, pathological, biochemical, haematological and histochemical techniques have been utilized. Nutritive values of some plants have also been determined.

Biodiversity, Improvement and Conservation genetics of the major livestock species in Sudan *starting with Donkeys.

- Prevalence of *Toxoplasma Gondii* in cats and humans in Red Sea Province.
- Evaluation of ethnoveterinary medicines through biological activity screening of medicinal plants in Sudan: as investigator: El Neela in University.
- Investigation on different bacteria isolated from Equine Wounds

- Study on the Prevalence of Foreign Body in Goats' Rumen
- Comparative Study of Two Rumenotomy Techniques in Goats
- Application of Camel Metacarpal Bone as Bony Shuttle Pin Splint for Femoral Fractures in Small Animals (Dogs / Goats)
- Comparative study of camel tail hair and silk as suture materials in dog skin closure

Research Projects:

- Studies on Abu Rigaiba Syndrome Project As **Chief Investigator:**
- other Investigators
Dr. Seif Eldawla Barakat.
Dr. Ahmed Gamal.
Dr. Mohamed Abdelsalam
Dr Imad M Tahir

Funded By: The Central Research Committee, Sudan University of Science and Technology and Nhre El Niel State Government 2009 (Under Execution)

- M.V.Sc awarded master degree to student (**Abdelhalim Jafar Mhgoub Ahmed**) **2010**.
- Study on the Prevalence and the Pathological Changes Associated with some Skin Diseases of Camels. 2010 As **Chief Investigator:**
Funded by the Scientific Research Council, Sudan University of Science and Technology 2010
- M.V.Sc awarded to student (**Amjed Elhaj Babiker**) **2011**.
 - **Co- investigator** in: "Molecular Genetic: Improvement and conservation genetics of the major livestock species and their hypothetical wild ancestors of Sudan/Portugal".

This project is funded by CIBIO/UP - Research Centre in Biodiversity and Genetic Resources. Universidade do Porto, PORTUGAL

Investigators:

Beja-Pereira A, Portugal

England PR, Portugal

Ferrand N, Portugal

Jordan S, Portugal

Abdalla MA, Sudan

Taberlet P, Portugal

Luikart G. France

Scientific contributions:

Participated in several scientific conferences and workshops in Sudan and abroad

Other scientific contribution

Editor in Chief: Science and Technology Journal in Agricultural and Veterinary Sciences

- Secretary Editor of: The Sudanese Journal of Standards and Metrology 2005
Organ of the Sudanese Standards and Metrology Organization

Member of the Editorial Board of the following Journals :

- Research Journal of Animal Sciences
- Research Journal of Dairy Sciences
- Research Journal of Poultry Sciences
- Research Journal of Veterinary Sciences
- African Journal of Microbiology Research

Technical Editor:

- Journal of Pharmacology and Toxicology
- Research Journal of Medicinal Plant
- Research Journal of Veterinary Sciences
- Asian Journal of Animal and Veterinary Advances
- Asian Journal of Animal Sciences
- Asian Journal of Poultry Science

Potential reviewer for the following journals:

- Pakistan Journal of Biological Sciences
- Journal of Medical Sciences
- Asian Journal of Poultry Science
- Journal of Biological Sciences
- Research Journal of Veterinary Sciences
- Journal of Pharmacology and Toxicology
- Asian Journal of Scientific Research
- International Journal of Pharmacology
- Asian Journal of Animal and Veterinary Advances

- Biotechnology
- Asian Journal of Animal Sciences
- Research Journal of Parasitology
- International Journal of Biological Chemistry
- International Journal of Dairy Science
- Journal of Environmental Science and Technology

Local Journals

- Journal of Science and Technology
- Sudan Journal of Veterinary Science and Animal Husbandry

Selected Publications

- (1) Mahmoud, O.M., Elsamani, F., **Bakhiet, A.O.** and Hassan, M.A. (1983). Zinc Deficiency in Sudanese Desert Sheep. J. Comp. Path., 93, 591.
- (2) Mahmoud O M, **Bakhiet A O** and Elsamani F. 1985. Treatment of zinc deficiency by zinc injection. Proceedings of the International Symposium on Trace element metabolism in animals, (ISTEMA'85). Commonwealth Agricultural Bureaux, Farnham Royal, UK., pp:749-752
- (3) **Bakhiet, A.O.** and Adam, S.E.I. (1995). Therapeutic utility, constituents and toxicity of some medicinal plants: A Review. Vet. Hum. Toxicol., 37, 225.
- (4) **Bakhiet, A.O.** and Adam, S.E.I. (1995). An estimation of *Citrullus colocynthis* toxicity for chicks. Vet. Hum. Toxicol. 37, 356.
- (5) **Bakhiet, A.O.** and Adam, S.E.I. (1995). Response of Bovans chicks to low levels of dietary *Linum usitatissimum* Vet. Hum. Toxicol., 38, 534.
- (6) **Bakhiet, A.O.** and Adam, S.E.I. (1996). Toxicity to Bovans Chicks of *Cassia italica* seeds. Phytotherapy Res., 10, 156.
- (7) **Bakhiet, A.O.** and Adam, S.E.I. (1996). Effect of *Ambrosia maritima* on Bovans-type chicks. J. Herbs, Spices and Medicinal Plants, 4, 51.
- (8) Osman, A.K., Mukhtar, S. and **Bakhiet, A.O.** (1998). The role of Veterinarians in the Development of Veterinary Services in Sudan, The Proceedings of Biannual meeting of Prime Undersecretary of Animal Resources. 15-18 August, Khartoum, Sudan. (In Arabic).

- (9) **Bakhiet, A.O.** and Adam, S.E.I. (2001). Combined effect of *Ambrosia maritima* L. shoots and *Citrullus colocynthis* L. Schard. seeds in chicks. Suez Canal Vet. Med. J., 4, 291.
- (10) **Bakhiet, A.O.** (2002). Comparative chemical composition and trace element contents of *Citrullus colocynthis* and *Cassia italica* seeds. Suez Canal Vet. Med. J., 2, 691.
- (11) Ibrahim I.A., **Bakhiet, A.O.**, El Badwi, S.M.A., Yagoub, S.O. and Adam S.E.I. (2004). Susceptibility of Bovans Chicks to low dietary levels of *Ammi visnaga* and *Artemisia herba-alba*. Vet. Hum. Toxicol. 46 : 67.
- (12) Gubartallah, K . A., Abdallah, M. A., **Amel O, Bakhiet** and El Khider, O. A. (2004). Some Observations on the Reproductive Performance of Sudanese Nubian Bucks. Sud. J. Vet. Sci. Anim. Husb. Vol 43 (1&2) 217-222.
- (13) Albano Beja-Pereira, Phillip R. England, Nuno Ferrand, Steve Jordan, **Amel O. Bakhiet**, Mohammed A. Abdalla, Marjan Mashkour, Jordi Jordana, Pierre Taberlet, Gordon Luikart . (2004). African Origins of the Domestic Donkey. **SCIENCE** Vol 304 (18 June): 1781.
- (14) **Bakhiet, A.O.**, Abdel Gadir, W.S., Yagoub, S.O., El Badwi , S.M.A. and Adam, S.E.I. (2005). Response of Bovans Chicks to Low levels of dietary *Ambrosia maritima*, *Linum usitatissimum* or their Mixture. Suez Canal Vet. Med. J. J. VIII 137.
- (15) Warda S. Abdel Gadir and **Amel O. Bakhiet**. (2005). Chemical Composition and Microelement Contents of Western Sudan Pearl Millet (*Pennisetum Typhoides*) and Cassia Obavata Seeds. Suez Canal Vet. Med. J. VIII (1) 165.
- (16) Warda S. Abdel Gadir, **Amel O. Bakhiet**, Samia M.A. El Badwi and S.E.I. Adam. (2005). Experimental Carbimazole (Neomercazole) Toxicosis in Nubian Goats. Suez Canal Vet. Med. J. J. VIII (1) 147.
- (17) Kamal, A. Gubartallah, Ahmed, A., **Amel O. Bakhiet** and Babiker, A. (2005). Comparative Studies on Reproductive Performance of Nubian and Saanen Bucks under the climatic conditions of Khartoum. Journal of Animal and Veterinary Advances 4 (11): 889-893.
- (18) Abdalla, M.A, Siham, E. Suliman and **Amel O. Bakhiet** (2005). Trypanosoma vivax Infection in Sudanese Cattle in Central Sudan.) Journal of Animal and Veterinary Advances 4 (11): 945-948.
- (19) **Amel O. Bakhiet**, Mariam Sultan Ali, Ehsan Al Sharif and Samia, M. A. El Badwi. (2006). Some Biochemical Values in the Young and Adult Sudanese

- Geese *Anser anser*. Journal of Animal and Veterinary Advances. 5 : 24-26.
- (20) Seif Eldawla, M. Barakat, Imad, M. T. Fadlalla and **Amel O Bakhiet**. (2006). Comparative Study on the Activity of 5'-Nucleotidase 5-NT and Gamma Glutamyl Transferase (GGT) in Tissues of Donkeys, Calves and Goats. Assiut Vet. Med. J. 52: 87-96.
- (21)Geehan A. Mohammed, **Amel O Bakhiet** and Shnain H. (2006). Comparative Study of Two Rumenotomy Techniques in Goats. Surgery Journal. 1: 9-13.
- (22)Warda S. Abdel Gadir, Abeer M. Ali and **Amel O. Bakhiet**. (2006). Susceptibility of Bovans Chicks to Low Levels of dietary Cassia *italica* fruits and *Ocimum basilicum* Leaves or their Mixture. Journal of Animal and Veterinary Advances. 5: 468-471.
- (23)**Amel O. Bakhiet**, Mawahip E. Abbaker and Warda S. Abdel Gadir (2006). Effect of Dietary Supplementation of *Aristolochia Bracteolate* and *Astragalus Gummifer* or Their Combination on Bovans- Type Chicks. Journal of Animal and Veterinary Advances. 5: 464-467
- (24)Hayder A M, **Amel O Bakhiet** and Mohammed A A. (2006).Retrospective Study on the Prevalence of Foreign Body in Goats' Rumen: Omdurman Province, Khartoum State, Sudan (1998-2002). Journal of Animal and Veterinary Advances. 5: 449-451.
- (25)Badreldin H. Ali, Husnia Marrif, Salawa A. Noureldayem, **Amel O. Bakhiet** and Gerald Blunden. (2006). Biological properties of curcumin: A review. Natural Product Communication. 1: 509-521.
- (26)**Amel O. Bakhiet** and Emtithal A. Ibrahim, (2006). Response of Bovans Chicks to Dietary *Commiphora myrrha*, *Glycyrrhiza glabra* or Their Mixture. Journal of Biological Sciences. 6:950-955.
- (27)**Amel O. Bakhiet**, Sabna D. Mohammed, Samia, M.A. El Badwi, Warda, S. Abdel Gadir and S.E.I. Adam (2006). Antimicrobial Activity of *Petroselinum sativum* and *Coriandrum sativum* Seeds. Research Journal in Microbiology, 1: 346-352
- (28)Warda S. Abdel Gadir, Mohy Edeen, D. Abu Alazaim, **Amel O. Bakhiet** and I. M. T. Fadlalla. (2006). Effects of Quinine and Fansidar and Their combination on Bovans-Type Chicks. Journal of Pharmacology and Toxicology, 1: 383-388.
- (29)H.M.F. Haitham, **Amel, O. Bakhiet** and S.M. Hamza. (2006). Application of Camel Metacarpal Bone as Bony Shuttle Pin Splint for Femoral Fractures in Small Animals. Surgery Journal 1(2-4): 72-74.

- (30)H.M.F. Haitham, **Amel O. Bakhiet** and S.M. Hamza. (2006). Comparative Study Between Camel and Bovine Bones as Bony Shuttle Pin Splint for Femoral Fractures in Small Animals. *Surgery Journal* 1(2-4): 69-71.
- (31)Asha M. E. M, Salim, M. O. and **Amel O Bakhiet** (2006). The Aerobic Bacteria of equine wound infection associated with type of animal use and sampling. *Sudan Journal of Veterinary Science and Animal Husbandry*: Vol 45 (1&2) 1-7.
- (32)Asha M. E. M, Salim, M. O., **Amel O Bakhiet** and (2006). Bacteria Isolated from Equine Wounds. *The Sudan Journal of Veterinary Research*. 21 :75-82
- (33)**A.O. Bakhiet** and S. M. A. El Badwi (2007). Effects of Dietary Chromium Supplementation on the Performance and some Serum Parameters in Bovans-type Chicks. *Journal of Pharmacology and Toxicology* 2 (4): 402-406.
- (34)**Amel O Bakhiet**, A. A. Mohammed, E. S. M. Siham and M. A. Samia ElBadawi. (2007). Some Trace-Elements Profile in the Liver of Camels, Cattle, Sheep and Goats. *International Journal of Tropical Medicine* 2 (1): 1-2
- (35)Warda S. Abdel Gadir, Fathia Mohamed and **Amel O Bakhiet**. (2007). Antibacterial Activity of *Tamarindus indica* Fruit and Piper nigrum seed. *Research Journal of Microbiology* 2(11)824-830.
- (36)R. M. Abdelghafar, B. H. Ahmed and **A. O. Bakhiet** (2007). Ultrasonic Measurements of Crown- Rump Length and Bi Parietal Diameter to Predict Gestation Age in Saanen Goats. *Journal of Animal and Veterinary Advances* 6 (3): 454-457.
- (37)R. M. Abdelghafar, **A. O. Bakhiet** and B. H. Ahmed (2007) B-Mode Real Time Ultrasonography for Pregnancy Diagnosis and Fetal Number in Saanen Goats. *Journal of Animal and Veterinary Advances* 6 (5):702-705.
- (38)I.A., Ibrahim, S.M.A El Badwi, **A.O. Bakhiet**, W. S. Abdel Gadir and Adam S.E.I. (2007). A 9-week Feeding Study of *Cuminum Cyminum* and *Hibiscus sabdoariffa* in Bovans Chicks. *Journal of Pharmacology and Toxicology* 2 (7): 666-671.
- (39)S.E.M. Barakat, N. M. Al-Bhanasawi, G.E. Elazhari and **A. O. Bakhiet**. (2007). Clinical and Serobiochemical Studies on Naturally-Occurring Pregnancy Toxaemia in Shamia Goats. *Journal of Animal and Veterinary Advances* 6 (6):768-772.
- (40)Khairallah, M. S. Khairallah, Imadeldin E. Aradaib, **Amel O Bakhiet**, Tigani Hassan, Badr e. Hago and Abdel-Rahman M.A. Saeed. (2007). A Simple and Rapid Assay for Specific Identification of Bovine Derived Products in Biocomplex Materials. *Pakistan Journal of Biological Sciences* 10 (8): 1170-1174.

- (41) Osman, O.A, Bakhiet, A.O. and A. E. Amin (2007). Hazard Analysis and Critical Control Point (HACCP) system and its application in food safety. The Sudanese Journal of Standards and Metrology. Vol 1(2).1-10.
- (42) A. A Majid and Amel O Bakhiet (2007). Camel Research and Development in the Sudan: Analytical Review of Research. J. Sc Tech. vol8 (2): 78-87.
- (43) Asha M. E. M, Salim, M. O. and **Amel O Bakhiet (2007)**. Bacterial Equine Wound Infections in Relation to Animal Species, Season and Type of Wound. Sudan Journal of Veterinary Research
- (44) **Amel O. Bakhiet**, Mohamed A. Abdala, Albano Beja-Pereira, & Gordon Luikart (2007). Two African Origins and Extremely Weak Population Structure in Donkeys Revealed by Mitochondrial DNA Sequencing. The Genetical Resources of the Sudanese Livestock Wealth Conference 5-6 March. Scientific Research Council and the College of Agricultural Studies. Sudan university of Science and Technology, Khartoum, Sudan
- (45) **Amel O Bakhiet (2008)**. Studies on the rumen pathology of Sudanese desert sheep in slaughter house. Scientific Research and Essay Vol.3 (7), pp. 294-298.
- (46) Abdalla, M.A., **Amel O. Bakhiet** and Siham, E. Suliman (2008). Seasonal prevalence of bovine trypanosomosis in Abu Hugar District, Central Sudan. Sudan Journal of Veterinary Science and Animal Husbandry: Vol 47 (1&2) 1-5.
- (47) Abdalla, M.A., Siham, E. Suliman, Y.Y.H.A. Alian and **Amel O. Bakhiet** (2008). A study on the microbial contents of the domestic refrigerators in Khartoum area (Khartoum-North). Sudan Journal of Veterinary Science and Animal Husbandry: Vol 47 (1&2) 15-23.
- (48) Siham, E. Suliman, Rabab, M.A., **Amel O. Bakhiet** and Abdalla, M.A (2008). Clinical cases introduced to Hillat Kuku Veterinary Teaching Hospital during 1997-2006. Sudan Journal of Veterinary Science and Animal Husbandry: Vol 47 (1&2) 55-62.
- (49) Abdalla, M.A., Siham, E. Suliman, Y.Y.H.A. Alian and **Amel O. Bakhiet** (2008). Food safety knowledge and practices of street food-vendor in Khartoum City. Sudan Journal of Veterinary Science and Animal Husbandry: Vol 47 (1&2) 126-136.
- (50) **Amel O. Bakhiet** and Mohammed, A. (2008). Response of Bovans-Hybrid chicks to *Allium cepa*, Paractamol or their mixture. Sudan Journal of Veterinary Science and Animal Husbandry: Vol 47 (1&2) 156-167.

- (51) Warda S. Abdel Gadir, Hayfaa M. A. Ishag and **Amel O. Bakhiet**. (2008). Toxicity of *Datura stramonium*, *Capsicum frutescens* and their mixture to Bovian chicks. Sudan Journal of Veterinary Science and Animal Husbandry: Vol 47 (1&2) 168-174.
- (52) **Bakhiet AO** and Agab H (2008) Clinicopathologic Studies on Dermatophilosis in Camels (*Camelus Dromedarius*) World Veterinary Conference 2008. Vancouver, Canada
- (53) **Bakhiet A O** (2008) A Study on the Prevalence and Pathology of Fascioliasis in Condemned Liver of Cattle (January - May 2007). World Veterinary Conference 2008. July 27 – 31. Vancouver, Canada
- (54) Abdalla, M.A., **Amel O. Bakhiet** Y.Y.H.A. Alian and Siham, E. Suliman (2009). Some Epidemiological Aspects of Avian Influenza. A short review. Sudan Journal of Veterinary Science and Animal Husbandry: Vol 48 (1&2) 36-43.
- (55) M. A. Abdalla, S. E. Suliman and **A. O. Bakhiet** (2009). Food safety knowledge and practices of street food vendors in Atbara City (Naher Elneel State, Sudan). African Journal of **Biotechnology Vol. 8 (24), pp. 6967-6971**
- (56) M. A. Abdalla, S. E. Suliman, D. E. Ahmed and **A. O. Bakhiet** (2009). Estimation of bacterial contamination of indigenous bovine carcasses in Khartoum (Sudan). African Journal of Microbiology Research Vol. 3(12) pp. 882-886, December, 2009
- (57) **Bakhiet, A O**; Abdallah, A; Hdi, R; Ramli, R; Ahmed, S; Mohamed, S.(2009). Studies on the Lung pathology of camels (*Camelus dromedarius*) in slaughter house: Sudan. Proceedings: The Second Conference of the International Society of Camelid Research and Development Djerba, Tunisia: 11th-14th March, 2009
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Memberships

- 1- Member of the Sudan Veterinary Association since 1980.
- 2- Member of the Executive Committee of Khartoum State Veterinary Association 1996-2006.
- 3- Member of the Executive Committee of Sudan Veterinary Association 1992 - 2006.
- 4- Member of the Sudanese Poultry Association 1999 – present.
- 5- Member of the Society of Toxicologic Pathology U.S.A. 2007
- 6- Deputy Chief Commissioner of the Sudanese Girl Guide Association 1988-1994.
- 7- Member of the Board of Directors of Khartoum Arabic International Preschools and Basic Schools for Boys and Girls 1991- Now.
- 8- Member of the Board of Directors of Sudanese International Preschools, Basic and Secondary Schools for Boys and Girls. 1996- Now
- 9- Member of Sudan Swedish Friendship Association. 1986- Now

10- Member of Sudanese Women Initiative Group. 2001- Now