

## CURRICULUM VITAE

### C.V

#### **PERSONAL PARTICULARS**

**Name:** Magdi Badawi Abdel Rahman Musa.

P. O. Box 610, Street No 1, Al Amarat, Tel: 00249 122 233 257, Khartoum, Sudan.

**Nationality:** Sudanese.

**Date of Birth:** 21/3/1962.

**Marital Status:** Married.

**Specialization:** Pathology and Diagnosis.

**Present position:** Associate Professor.

**Mobile phone:** 00249-1 222 33 257.

**E.mail:** [mbamusa57@gmail.com](mailto:mbamusa57@gmail.com).

#### **EDUCATION**

##### **Academic Qualifications**

##### **Ph.D March 2006.**

**Title of Thesis:** Studies of *Ehrlechia ruminantium* in domestic ruminants in the Sudan.

Faculty of Veterinary Sciences, **University of Khartoum, Sudan.**

**M.Sc June 1989 to Nov. 1990. Epidemiology,** Tropical Veterinary Medicine, Centre for Tropical Veterinary Medicine (CTVM), Royal Dick Collage of Veterinary Medicine, **University of Edinbough, United Kingdom,**

**Title of Thesis :** Health Hazards and Potential care to improve health of camel in the Sudan.

##### **B.V.Sc. 1983;**

Faculty of Veterinary Science, University of Khartoum, Sudan,

##### **Promotion:**

**2010.** Promoted to **Associate Professor at the Department of Pathology and Diagnosis,** Central Veterinary Research Laboratories (CVRL). Animal Resources Research Corporation, Ministry of Science and Technology, Khartoum, Sudan.

**2006:** Promoted to **Assitant Professor at the Department of Pathology and Diagnosis,** Central Veterinary Research Laboratories (CVRL), Animal Resources Research Corporation, Ministry of Science and Technology, Khartoum, Sudan.

**1994-** Promoted to **Veterinary Research Scientist** at the **Department of Pathology and Diagnosis**, Central Veterinary Research Laboratories Administration, Ministry of Animal Resources, Khartoum, Sudan.

**8/ 1992-1994-** Assistant Research Officer, **Department of Pathology and Diagnosis**, Central Veterinary Research Laboratories Administration (CVRL), Ministry of Animal Resources, Khartoum, Sudan.

**Other Education:**

**Special Academic Training:**

1/ A course on Training of trainers on Research and Professional Ethics conducted by the National Centre for Research and sponsored by the Migration and Management Development Unit, International Organization for Migration (IOM), Khartoum, Sudan, **14-17 March 2016.**

2/ **IAEA/ Diploma Fellowship course on Molecular Techniques (Polymerase Chain Reaction (PCR) and Reverse Line Blot (RLB) for Diagnosis of tick-borne pathogens.** Sponsored by the International Atomic Energy Agency (IAEA), Department of Veterinary Tropical Diseases, Faculty of Veterinary Medicine, University of Pretoria, South Africa, **Jan.2004 – April 2004.**

3/ A Course on **Diagnosis of Viral and Bacterial Diseases,** sponsored by Arab Agricultural Development Organisation, Cairo, Egypt, **15 Oct- 28 October 2001.**

4/ A course on **Bio-informatic and MicroRNA Technology.** Mass International Academy, Sudan National Federation of UNESCO Club. June 2012, Khartoum, Sudan.

5/ **A course on Project Management,** Ministry of Science and Technology. Conducted by Al Moheet Institute for Computer Science, 2009, Khartoum, Sudan.

6/ A Course on **Economic Impact Assessment of Animal Diseases and the transfer of the Rinderpest Economic Impact Model** to Pace-Sudan Animal Health and Epizootic Disease Control Department in collaboration with AU/ IBAR/ PACE, **20-24 October 2003.** Khartoum, Sudan.

7/ **Practical training course on ELISA for diagnosis of tick-borne diseases,** Central Veterinary Research Laboratories, **August, 9-14, 2003,** Khartoum, Sudan.

8/ A Course on Introductory **Molecular Biology,** Faculty of Veterinary Medicine, **February 22-27, 2003,** University of Khartoum, Sudan.

8/ A Course on **Project/ Resources Capacity Management in contract R&D Research.** Sub-Regional Training Workshop, An activity of the STEMARN Programme on Science and

Technology Management, Ministry of Science and Technolog, Khartoum, Sudan,  
January 11-15, 2003.

9/ A Course on **Veterinary Epidemiology and Economic in Livestock Development**,  
Veterinary Epidemiology and Research Unit, University of Reading, UK, 5<sup>TH</sup>  
October-13<sup>th</sup> December 1990).

### **Overall Experience:**

*Associate Professor with 33 years experience in Veterinary Services, diagnosis, Research, lecturing, supervision of postgraduate studies and implementation of veterinary research projects internationally and locally; highly flexible,, keen to learn and able to work in cross cultural teams with ability to work in harmony with other colleagues and, perform duties with integrity, commitment, honesty and time bound.*

*Good experience was gained during this period in clinical pathology, molecular biology, serology, rickettsiology {conventional and molecular) and epidemiology. I have attended many tinternal and external scientific courses as mentioned above. I have also achieved a fellowship diploma in molecular biology for detection and diagnosis using PCR and the Reverse Line Blot (RLB) techniques at the Faculty of Veterinary Medicine, Pretoria University, South Africa (2004) funded by the International Atomic Energy Agency and many papers were published on molecular biology. I was also involved in teaching in the Faculty of Veterinary Medicine, University of Omer Al Mukhtar, Al Baida, Libya, as well as for *veterinary students as part timer in some veterinary colleges in the Sudan. I conduct routine training of veterinarians, veterinary students and technologist in laboratory veterinary diagnosis in the Central Veterinart Research laboratories as a research leader.**

*A total of 33 scientific articles were published in different international journals. Good experience was gained in scientific research design, writing and execution. Furthermore, I contributed as editor, business Manager, assistant and Secretary of The Sudan Journal of Veterinary Research ([www.arrc.gov.sd](http://www.arrc.gov.sd)) from 1992 till December 2015.*

### **Working Experience:-**

During my working life I have gained reasonable and satisfactory experience that started from veterinary officer to researcher to head department to director of animal heath research cetntre and finally to deputy/ director general of the of animal resources research corporation (ARRC) of the Sudan.

## **EMPLOYMENT RECORD:**

### **3.1 Professional Employment:**

- 1/ **Scientific Consultant**, Animal Resources Research Corporation, Ministry of Livestock, Sudan and **associate Professor at the Central Veterinary Research Laboratories, Khartoum, Sudan.**
- 2/ **November 2014 to July 2015: Associate Professor Lecturer at the Faculty of Veterinary Medicine, University of Omer Al Mukhtar, Al Baida, Libya,**
- 3/ November 2012 up to **Nov. 2014: Deputy Director General of Animal Resources Research Corporation**, Animal Resources Research Corporation, Ministry of Livestock, Fisheries and Range, Sudan.
- 4/ September 2012 – October 2012: **Acting Director General of the Veterinary Research Institute**, Animal Resources Research Corporation, Ministry of Livestock, Fisheries and Range, Sudan.
- 5\ June 2011- November 2012: **Director of the Research Centre** at the Veterinary Research Institute, (VRI), Soba, Khartoum, Animal Resources Research Corporation, Ministry of Livestock, Fisheries and Range, Sudan.
- 6 **July 2010- May 2011- Director for the Scientific Affairs and Training Administration/ Central Veterinary Research Laboratories (CVRL)**, Animal Resources Research Corporation, Ministry of Science and Technology, Khartoum, Sudan.
- 7 **1997-1998- Head Department of Pathology and Diagnosis.** Central Veterinary Research Laboratories Administration, Ministry of Animal Resources, Khartoum, Sudan.
- 8/ **1994- 1997: Head of Srology Unit, Department of Pathology and Diagnosis,** Central Veterinary Research Laboratories Administration, Khartoum, Sudan.
- 9/ **1994-** Promoted to **Veterinary Research Scientist** at the **Department of Pathology and Diagnosis**, Central Veterinary Research Laboratories Administration, Ministry of Animal Resources, Khartoum, Sudan.
- 10/ **1992-1994- Assistant Research Officer, Department of Pathology and Diagnosis,** Central Veterinary Research Laboratories Administration (CVRL), Ministry of Animal Resources, Khartoum, Sudan.
- 11 **1991-1992:** Veterinary Epidemiologist, Al Dein District, South Darfur State, Western Sudan, Ministry of Animal Resources, Sudan.

- 12/ 1988-1989:** Veterinary Epidemiologist, Nyala, South Darfur (Western Sudan), Ministry of Animal Resources, Sudan.
- 13/ 1987-1988:** Deputy of the Director General for Animal Production, Nyala, Darfur State, Ministry of Animal Resources, Sudan.
- 14/ 1985-1987:** District Veterinary Officer. Garsilla District, South Darfur, Ministry of Animal Resources, Sudan.
- 15/ 1983-1985:** Veterinary Officer, Al Fashir, North Darfur, Ministry of Animal Resources, Sudan.

**TEMPORARY APPOINTMENT:**

- 1/ 2012 till Now: A membr of the clinical trias Comittee for human and animals in the Sudan, National Council for drugs and poisons, Sudan.**
- 2/ March 2014: Sudan Project Counterpart of the International Atomic Energy Agency for the TCP Project SUD/ 5036 entitled " Improving Livestock Production for enhanced Food Security through Genetic Improvement of Indeginous Animal Breeds using Artificial Insemination, Improved Nutrition and Adequate Animal Diaease Control Measures"
- 3/ November 2012 to Nov. 2014: Registrar of Animal Resources Research Council, Sudan Academy of Science (SAS), Sudan.
- 4/ Secretary of the High Technical Promotiom Committee of the Animal Resources Research Corporation.
- 5/ July 2012- Focal person of the Joint East and Central Africa Network, (EARLN\ EAREN for Sudan veterinary laboratory.
- 6/ 2010-2012: Secretary of The Camel Consultancy Council, Ministry of Animal Resources Fisheries and Range.
- 7/ 2006 to 2014: **Secretary** of the Editorial Board of **the Sudan Journal of Veterinary Research (www. Sudanjvr.net).**
- 8/ 2005-2006: Assistant Secretary of the Editorial Board of the Sudan Journal of Veterinary Research.
- 9/ 1997- 2005- Business Manager of the Sudan Journal of Veterinary Research.
- 10\ July 1999 - May 2003- Secretary of the scientific committee of the Central Veterinary Research Laboratories, Animal Resources Research Corporation, Ministry of Science and Technology, Khartoum, Sudan.
- 11/ 1992 - Editor in the Sudan Journal of Veterinary Research Board.

## SUBJECTS QUALIFIED TO TEACH

Serology, Molecular biology, Pathology and Epidemiology,

### **EXAMINER:**

#### **External examiner:**

External examiner for 5 Master degrees and 1 PhD student at the Faculty of Veterinary Medicine, University of Khartoum and The Sudan Academy for Science , Sudan.

1/ MSc Degree: **Omer Idriss Ali Osman.**

Title of the thesis: **Pathological and Bacteriological Studies on condemned liver in sheep and goats slaughtered at Tambool abattoir, Sudan.**

Faculty of Veterinary Medicine, University of Al Butana, Sudan, 2016.

2/ MSc: **Amar Ibrahim Abdelrahman Yousuf.**

Title of the thesis: **Epidemiological studies of bovine anaplasmosis in Khartoum State, Sudan.**

Faculty of Veterinary Medicine, Sudan University for Science and Technology. Sudan, 2013.

3/ MSc Degree: **Amna Mustafa Musa**

Title of the thesis: **Bacteriological evaluation of drinking water in Dairy farm in Khartoum State, Sudan.**

Faculty of Veterinary Medicine, University of Khartoum, Sudan, 2013.

4/ MSc Degree: **Bidoor Ahmed Ali.**

Title of the thesis: **A rtrospective study of bovine babesiosis in Khartoum State.**

Faculty of Veterinary Medicine, University of Khartoum, Sudan, 2014.

5/ **PhD Degree:**

**Mohammed Sayed Mohammed.**

Title of the thesis: **Molecular characterization of *Ehrlichia ruminantium* in the Blue Nile, Sudan.**

Faculty of Veterinary Medicine,. University of Khartoum, 2011.

**Internal examiner:** for 2 MSc degree.

1/ MSc Degree: **Somaia Ibrahim Omer Al Obeid.**

Title of the thesis: **Serological and Molecular Studies of *Coxiella burnetii* in cattle and goats in The River Nile State, Sudan, Sudan Academy for Science , Sudan, 2013.**

2/ MSc Degree: **Al Tayeb Badawi.**

Title of the thesis: **Isolation and characterization of *Actinomyces vericosum* in bovine.**

Sudan Academy for Science , Sudan, 2007.

**External examiner** for 3rd year under graduate students:-

Faculty of Veterinary Medicine, University of Bahry, Sudan, **Nov. 2012.**

Faculty of Veterinary Science, University of Nyala, Sudan, **Feb. 2014.**

#### **4. Research Projects Supervision Experience**

##### **Research positions:**

- 1/ Project Country Counterpart of TC SUD5036 "Improving livestock production for enhanced food security through genetic improvement of of indigenous animal breeds using artificial insemination, improved nutrition and adequate animal disease control measures" funded for 5 years by the IAEA during the period 2014-2018.
- 2/ President of the the Scientific Steering Committee of the IAEA project (SUD5035) entitled "Monitoring of Veterinary drugs and insecticides residues in livestock and livestock products in the Sudan" till 2011.
- 3/ May 2012 to date- Coordinator of the Animal Transboundary and Emerging Diseases in the Sudan project at the VRI. 2011-2013.
- 4/ Member of the Scientific Steering Committee of the Ticks and Tick-borne Diseases project (SUD 027) funded by the IAA, Sudan. 1999-2003.
- 5/ Principal investigator of many field outbreaks in the Sudan during the period from 1992-2007 that include rumors investigation of field outbreaks of rinderpest in South Sudan in Toriet, Kapoita, Laphonand Pibore.
- 6/ Leader of the heartwater scientific research project at the VRI, 1998 till now.

#### **5. Training Conducted:-**

1. **2011:** I prepared and executed with researchers colleagues the laboratory the Saudi Veterinarians and veterinary technicians training course on camel diseases at the Sudan during the period from January to February 2011
2. **June, 2010:** I have conducted a training course for the Government veterinarians on field and laboratory Diagnosis of animal diseases, Directorate of Animal Resources, **Al Fashir, North Darfur State, Sudan.**
3. **2008:** I have conducted a training course for **One month** for veterinarians, graduates of faculties of science and technologist on diagnosis of animal diseases using the indirect ELISA and immuno-capture ELISA at Juba Central Veterinary Laboratory, Ministry of Animal Resources, Juba Town, **Republic of South Sudan.**
4. **November, 2007:** I have conducted a training course for the Government veterinary officers on the veterinary infectious diseases with emphasis on diagnosis of Rift Valley Fever conducted in the **White Nile, Blue Nile, Kassala, Gedarif and Darfur States.**

5. 2010: I participated on Training course for veterinarians (Government and NBGOs) on **Diseases surveillance and diagnosis conducted by FAO**, Sudan at the White Nile State, 2010.
- 5/ Practical Veterinary Pathology (1994-2006) Department of Pathology, VRI.
- 6/ Cowdriosis: Lectures and Laboratory course to the University students.
- 8/ I presented Practical in two national training courses ( 2004-2005) on serological and molecular diagnosis of tick-borne diseases using ELISA, PCR and the Reverse Line Blot (RLB) techniques to the staff members at the Central Veterinary Research Laboratories, Soba, Sudan.
- 9/ Continuous training of young veterinarians, technologists technicians and subordinate staff on the diagnosis of animal diseases of farm animals and parasitic zoonoses (Animal Resources Research Corporation, Sudan. 1994-2000).

#### **TEACHING EXPERIENCE:**

**2014 to July 2015:** Associate Professor at Department of Pathology, Faculty of Veterinary Medicine, University of Omer Al Mukhtar, Al baida, Lybia.

#### **PROFESSIONAL ASSOCIATION MEMBERSHIPS:**

- 1/ Sudan Veterinary Council.
- 2/ Sudanese Veterinary Trade Union.
- 3/ Sudan Veterinary Association.
- 4/ Vetaid Organisation, Edinburgh, UK.

#### **EDITING AND REVIEWING:**

- 1/ 2006 till 2014: **Secretary of the Editorial Board of the Sudan Journal of Veterinary Research ([www.sudanjvr.net](http://www.sudanjvr.net)).**
- 2/ 2005-2006: **Assistant Secretary of the Editorial Board of the Sudan Journal** of Veterinary Research.
- 3/ 1997- 2005- **Business Manager of the Sudan Journal** of Veterinary Research.
- 4 / 1992-1999- **Member of the Editor for the Sudan Journal** of Veterinary Research

#### **6. CONFERENCES ATTENDED:**

- 1/ Conferences held by the Sudan Veterinary Association.
- 2/ The Union of Arab Veterinarians held in Khartoum, Sudan. January 1993 and 1998.
- 3/ Participated in a workshop on “Bovine tropical theileriosis in the Sudan” held in Khartoum, Sudan. May, 4-5, 1994

- 4/ The third National Conference on Ticks and tick-bone diseases in the Sudan, 2003.
- 5/ Al Dein Province Improvement Conference, February, 1992.
- 6\ The Veterinary laboratory and Epidemiology Joint 3<sup>rd</sup> meeting of the East and Central Africa Network (EARLN\ EAREN), Mombasa, Kenya, 23-27 July, 2012.

### **PUBLICATIONS**

- 1/ Mohammed Sayed, Shawgi Hassan, Abdel Rahim El Hussein, NasareldienAltaib, Sameer Faisal, Mazahir Shikh, Dia Salih and **Magdi Abdel Rahman**. (2016). Pathogenicity of *Ehrlichia ruminantium* Different Local Stocks in the Sudan and Estimation of *Amblyomma* Tick Victorial Capacity as Invective Dose by Real-time PCR. Butana Journal of Applied Science, 1: 1-12.
- 2/ Intisar Kamil Saeed, Yahia Hassan Ali, **Magdi Badawi Abdul Rahman**, Zakia Abas Mohammed, Halima Mohammed Osman, Khalid Mohammed Taha, *et al.* (2015). Mixed infection of peste des petits ruminants virus (PPRV) and other respiratory viruses in dromedary camels in Sudan, an abattoir study. Tropical Animal Health and Production, 123, Volume 47, Number 5: 47:995-998.
- 3/ Eyman, Y. Osman; Eragi, A. M. Hassan; Salma, B. A. Elmagboul; Munem; Abu Obaida, Mohammed Musa and **Magdi Badawi Abdelrahman** (2015). Detection of *Helicobacter pylori* glmM gene in bovine milk using Nested PCR.( Accepted in the Journal of Veterinary World) .
- 4/ Wud M. E.; Siddig Mohammed A. A.;Salim, **Magdi Badawi**.; Abdelgadir B. Mohamed; Ishraga G. Ibrahim; Mona K. Farid and Emad H. E. Konozy .(2014). Regardless of the Antibiotic Group or Type, Misuse of antibiotics Adversely Impair Liver, Kidneys and Heart Functions "Biochemical and Histopathological Assessment". American Journal of Pharmacy and Health Research. 2(5): 73-94.
- 5/ Khalda A. Khalifa, Igbal S. Abdelrahim, **Magdi Badawi** and Amal M. Mohammed. (2013). Isolation and molecular characterization of *Mycoplasma gallisepticum* and *M. synovei* in chicken in the Sudan. *J. Vet. Med.*, (2013).
- 6/ M. Sayed, S. M. Hassan, A. M. Elhussein, F. Samir, Mazahir M. S., **M. B. Abdelrahman**. (2013). Estimation of the Prevalence of *Ehrlichia ruminantium* in *Amblyomma* spp.

and Blood of Domestic Ruminants in the Sudan by Conventional PCR Based on pCS20 Gene Region. *Sudan Journal of Science and Technology*, 14(2):15-27.

- 7/ Zein, Y. M.; Mohammed, A. S. and **Abdel Rahman, M. B.** (2013). Some Epidemiological Aspects on Bovine Anaplasmosis in South Kordofan State, Sudan. *Sudan J. Vet. Res.*, 28: 46-54.
- 8/ Olivier Kwiatek, Yahia Hassan Ali, Intisar Kamil Saeed, Abdelmelik Ibrahim Khalafalla, Osama Ishag Mohamed, Ali Abu Obeida, **Abdel Rahman, M. B.**, Halima Mohamed Osman, Khalid Mohamed Taha, Zakia Abbas, Mehdi El Harrak, Youssef Lhor, Adama Diallo, Renaud Lancelot, Emmanuel Albina, and Geneviève Libeau. (2011). Asian Lineage of Peste des Petits Ruminants Virus, Africa. *Emerging Infectious Disease*. Vol. 17, No. 7:1223-1231.
- 9/ Elgadal, A. A. and **Abdel Rahman, M. B.** (2011). Aerobic Bacteria Associated with Mastitis in Farm Animals in the Sudan. *Sudan J. Vet. Res.*, 26: 87-89.
- 10/ Abdelmelik I. Khalafalla, Intisar K. Saeed, Yahia H. Ali, **Abdel Rahman, M. B.** Olivier Kwiatek, Geneviève Libeau, Ali Abu Obeida, Zakia Abbas. (2010). An outbreak of peste des petits ruminants (PPR) in camels in the Sudan, *Acta Tropica*, 116: 161-165.
- 11/ Mohammed Sayed Mohammed, Shawgi Mohamed Hassan, **Abdel Rahman, M. B.**, Ali Mohmoud Shammatt and Ahmed Abdel rahim Gameel (2009). Clinico-pathological Changes in Sheep experimentally Infected with *Ehrlichia ruminantium* (Cowdria) (Um Biaga -isolate), Blue Nile. Sudan. *The Sudan J. Vet. Med.* Vol.1:
- 12/ Mohammed Sayed Mohammed, Shawgi Mohamed Hassan and **Abdel Rahman, M. B.** (2009). Serosurveillance of *Ehrlichia ruminantium* antibodies of sheep using MAP1-B ELISA in Sennar State, Sudan. *The Sudan J. Vet. Med.* Vol.1:
- 13/Khalda A. K.; **Abdel Rahman, M. B.** and Amal M. Mohammed (2008). Isolation and molecular characterization of *Mycoplasma gallisepticum* in breeder poultry farm in Khartoum State, Sudan. *Sudan J. Vet. Res.*, 23: 65-71.
- 14/ Halima M. Osman,; **Abdel Rahman, M. B.**; Zakia A. Mohammed and Osman, A. Y. (2008). Necrotic hepatitis in cattle, sheep and goat at Tabat, Gezira State, Central Sudan. *Sudan J. Vet. Res.*, 23: 39-45.
- 15/ B. O. M. Salim & S. M. Hassan & M. A. Bakheit & A. Alhassan & I. Igarashi & P. Karanis and **Abdel Rahman, M. B.** (2008). Diagnosis of *Babesia caballi* and *Theileria equi* infections in horses in Sudan using ELISA and PCR. *Parasitol. Res.*,

- 16/ D. A. Salih,; **Abdel Rahman M. B.**; A. S. Mohammed,; Rawia, A.,; Selma, K. EL Hussein, A. M. and F. Jongejan.(2008). Sero-prevalence of tick-borne diseases among cattle in the Sudan. *Parasitology Research*, 2009, vol., 104 (4): 845-850.
- 17/ **Abdel Rahman, M. B.**; Zakia A. Mohammed, Bakhiet, H. A.; Osman, A. Y.; Ahmed, O. M. and Halima M. Osman. (2007). Concurrent infection of *Schistosoma bovis* and *Fasciola gigantica* in cattle in Khartoum State. *The Sudan J. Vet. Res.*, 22:55-61.
- 18/ Muramatsu Y.; Shin-ya U.; El Hussein, A. M.; **Abdel Rahman, M. B.**; Abdel Gabar, K. M.; Chitambo, A. M.; Komiya, T.; Tembo, E.; Morita, C. and Tamura, Y. (2005). *Ehrlichia ruminantium*, Sudan. *Emerging Infectious Disease* 11(11): 1792-1793.
- 19/ Morita, C.; El Hussein, A. M.; Matsuda, E.; Abdel Gabbar, K. M. A.; Muramatsu, Y.; **Abdel Rahman, M. B.**; El eragi, A. M. H.; Hassan, S. M.; Chitambo, A. M. and Ueno, H. (2004). Spotted fever Group rickettsiae from ticks captured in the Sudan. *Jpn. J. Infect. Dis.*, 57, 107-109.
- 20/ Salih, D. A.; **Abdel Rahman, M. B.**, El Husein, A. M, Hassan, S. M. Abdel Rahim, A. I, Hamid, M. E. and Majid, A. M. (2003). Diagnosis of theileriosis. *The Sudan Journal of Veterinary Science and Animal Husbandry* 42(1 & 2): 201-208.
- 21/ **Abdel Rahman, M. B.**, Salih<sup>1</sup>, D. A. El Husein, A. M, Hassan, S. M. Abdel Rahim, A. I, Hamid, M. E. and Majid, A. M. (2003). Diagnosis of Cowdriosis. *The Sudan Journal of Veterinary Science and Animal Husbandry* 42 (1 & 2): 194-199.
- 22/ **Abdel Rahman, M. B.**; Abdel Rahim, A. I.; El Hussen,A.M.; Hamid, M. E.; El eragi, A. M.; Zakia, A. Mohammed; Bakhiet, H. A.; Hind, E.; El gadal, A. A. and Jongejan, F. (2003). Serosurveillance of cowdriosis (heartwater) in sheep in Eastern Sudan using MAP 1B ELISA. *The Sudan Journal of Veterinary Science and Animal Husbandry* 42 (1 & 2): 167-175.
- 23/ **Abdel Rahman, M. B.**, El Husein, A. M.; Abdel Rahim, A. I, Hamid, M. E. and Majid, A. M. (2003). Current ststus of heartwater in the Sudan. *The Sudan Journal of Veterinary Science and Animal Husbandry* 42(1 & 2):
- 24/ Zakia Abbas Mohammed, **Abdel Rahman, M. B.** and Osman, A. Y. (2003). Retrospective study of tropical bovine theileriosis in Khartoum State. *The Sudan Journal of Veterinary Research*, 18: 101-105.65-69.

- 25/ **Abdel Rahman, M. B.**; Osman, A.Y. and Hunter, A.G. (2002). Parasites of the one-humped camel (*Camelus dromedarius*) in the Sudan: A review. *Sudan J. Vet. Res.* 17: 1-13.
- 26/ **Magdi, B. Abdel Rahman** (1992). Improvement of the Government Veterinary Services in Al Dein District, South Darfur (in Arabic). A paper presented in Al Dein Province Improvement Conference, 26-28 Feb.1992, Al Dein, South Darfur, Sudan.
- 27/ **Magdi, B. Abdel Rahman**; Osman, A. Y.; Abbas, Z.; Bakhiet, H. A. and Halima M. O. (1994). Epidemiology of bovine tropical theileriosis in the Sudan. A paper presented at a workshop on "Bovine tropical theileriosis in the Sudan" held at Khartoum, Sudan. May, 4-5, 1994.
- 28/ **Magdi, B. Abdel Rahman** and Elamin, S. M. M. (1998). Exchange of experience and centralization of Veterinary scientific documentation in Arab world. Proceedings of the 8<sup>th</sup> Arab Veterinary Conference, Khartoum, March, 1998, Sudan.
- 29/ **Magdi, B. Abdel Rahman**; Al Razig , Y. M.; Elamin, S. M. M. and A/ Azziz, M. A. (2001). Control of livestock diseases under intensive system in irrigated projects of the Sudan. Half annual Conference of the Undersecretary of Animal Resources and Fisheries with the Regional Directors General of Animal Resources, Wad Medani, El Gezira State, Feb. 2001, Sudan.
- 30/ Elamin, S. M. M.; A/ Azziz, M. A.; **Magdi, B. Abdel Rahman** and A/ Razig, Y. M. (2001). The effect of emergency diseases on public health and international livestock trade. Half annual Conference of the Undersecretary of Animal Resources and Fisheries with the Regional Directors General of Animal Resources, Wad Medani, El Gezira State, Feb. 2001, Sudan.
- 31/ **Magdi, B. Abdel Rahman**; Elamin, S. M. M.; A/ Azziz, M. A. and Al Razig , Y. M. (2001). Veterinary services communications in the Sudan. Half annual Conference of the Undersecretary of Animal Resources and Fisheries with the Regional Directors General of Animal Resources, Wad Medani, El Gezira State, Feb. 2001, Sudan.
- 32/ Tamador M. A. E.; El Hussein, A. M.; Karrae, A. E.; **Abdelrahman, M. B.**; Aradaib, I. E. Halima M. O. and Manal H. S. Rift Valley Fever (RVF) outbreak in Khartoum and The River Nile States, Sudan.

33/ Tamador M. A. E.; Ahmed, M. E.; Amira M. E.; **Abdelrahman, M. B.**; El Hussein, A. M.; Karrae, A. E.; Nahid A. I.; Manal, A. A.; Sabiel , Y. A.; Mohammed, A. S.; Abdel Azziz, M. A. and Ahmed, I. H. Diagnosis of a suspected Rift Valley Fever (RVF) outbreak using capture IgM ELISA in the Sudan.

**Manuscripts submitted to publications:**

1/ **Abdel Rahman, M.B.**; Mohammed, S. M.; A/Rahim, A. I.; Hamid, M.; Al Gaiili, I. M and E. El Hussein,A.M.

Clinico-pathological Changes in goats experimentally Infected with *Ehrlichia ruminantium* in the Sudan.

2/ **Abdel Rahman, M.B.**; Mohammed, S. M.; A/Rahim, A. I.; Hamid, M.; Al Gaiili, I. M and E. El Hussein,A.M.

Isolation and Molecular characterization of *Ehrlichia ruminantium* in the Sudan.

3/ **Abdel Rahman, M.B.**; Mohammed, S. M.; A/Rahim, A. I.; Hamid, M.; Al Gaiili, I. M and E. El Hussein,A.M.

Infection Rate of *Ehrlichia ruminantium* in *Amblyomma* spp in the Sudan by PCR, radiolabelled slot blot hybridization, non-radiolabelled and the Reverse Line Blot (RLB) technique.

4/ / **Abdel Rahman, M.B.**; **Osman, A. Y.**; El Hussein,A.M. and Al Saaig, I.

*Coenurus gaigeri* from small ruminants in the White Nile and River Nile States, Sudan.

5/ **Abdel Rahman, M.B.**; **Mohammed, S. M.**; **A/Rahim, A. I.**; **El Hussein,A.M.** and **Hamid, M. E.**

Field Serosurveillance of *E.ruminantium* antibodies in sera of sheep, goats and cattle by the MAP1-B Indirect Enzyme Linked Immunosorbent Assay (ELISA) in the Sudan

6/ Intisar K. S.; Yahia, H. A.; Khalafalla, A. I.; Mahassin E. A/ Rahman; **Abdel Rahman, M. B.**; Zakia A. M.; Halima M. O.; Taha, K. M.; Musa, M. Z.; Kwiatek, O.; Libeau, G. (2014).

Morbillivirus associated with respiratory infection in camels.

7/ Sayed, Mohammed Mohammed; Shawgi M Hassan, Abdel Rahim M El Hussein, Sameer Faisal,; Mazahir M Shikh,; Diaeldin A Salih, ;Magdi B Abdelrahman, (2014).

Application of Plexor® qPCR System assay for the quantitative detection of Ehrlichia ruminantium DNA in Amblyomma spp. Ticks and Animal Blood in the Sudan based on pCS20 gene. **Vet. Parasitology.**

- 9/ Tamador M. A.; **Abdel Rahman, M. B.**; Mohammed, A. and Amira M., Sabiel, Y. A. and Mohammed, A. S.  
IgM capture enzyme linked immunosorbent assay (ELISA) diagnostic tool for Rift Valley Fever.
- 10/ Ibrahim, M. M.; **Abdel Rahman, M. B.** and Hassan, S. M.  
Prevalence of *Theileria* spp and *E. ruminantium* in cattle in Southern Darfur State, Sudan.
- 11/ Sebit, M. B. R.; Atta, M. A.; **Abdel Rahman, M. B.**; Shamat, A. M and Sulieman, Y.R.  
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