

سم الله الرحمن الرحيم

## **CURRICULUM VITAE**

**NAME :** IMADELDIN ELAMIN ELTAHIR ARADAIB

**MARITAL STATUS:** Married (Four children).

**ADDRESS:** Vice chancellor, University of Khartoum, Sudan. P. O. Box  
321, Khartoum, Sudan.

**Phone Number:** +(249) 912380932

**Email address:** [aradaib@uofk.edu](mailto:aradaib@uofk.edu), [aradaib@yahoo.com](mailto:aradaib@yahoo.com)

**Fellow of the Royal College of Pathologist (FRCpath) London.**

### **EDUCATION:**

**Doctor of Philosophy (Ph.D.),** Comparative Pathology, Graduate Division,  
University of California, Davis (1995).

**Masters of Preventive Veterinary Medicine (MPVM),** University of California,  
Davis (1992).

**Masters of Clinical Veterinary Medicine (M.V.Sc),** Graduate Colleges, University  
of Khartoum (1988).

**Bachelor of Veterinary Science (B.V.Sc Degree),** Faculty of Veterinary Medicine,  
University of Khartoum (February, 1985) with distinction in General Chemistry,  
Organic chemistry and introductory Biochemistry, Biochemistry, Physiology,  
Pharmacology, Microbiology, Animal Nutrition, Surgery, Obstetrics and Gynecology.

### **PRIZES, HONOURS AND AWARDS:**

\*University of Khartoum Senior Scholarship to study abroad for MPVM and Ph.D.

\*University of California at Davis non-resident tuition fellowship for the academic  
year 1993-1994.

\*University of California at Davis non-resident tuition fellowship for the academic year 1994-1995.

\*University of Khartoum Scholarship to study for M.V.Sc from July, 1985 to August 1987.

\*University of Khartoum prize for the best student in Chemistry, Biochemistry and Pharmacology during B.V.Sc studies.

## **REGIONAL AND NATIONAL AWARDS**

**Awardee of the University of Khartoum Research Award (2010)**

**Awardee of the State Prize in Molecular Biology and Genetic Engineering, Republic of The Sudan (2001).**

**Awardee of Order of Science and Arts, First Grade, Awarded by H.E. the President of the Republic of the Sudan (2001).**

## **ADMINISTRATION**

- 1. Secretary of the Departmental Board,** Department of Medicine, Pharmacology and Toxicology. University of Khartoum, Sudan. (1997-1999).
- 2. Member of the Faculty Board,** Faculty of Veterinary Medicine, University of Khartoum (June 2000-present).
- 3. Acting Head,** Department of Clinical Medicine, Pharmacology and Toxicology, Faculty of Veterinary Medicine, University of Khartoum, (May 2002).

4. **Member of the Senate** of University of Khartoum, Khartoum, Sudan (May 2003-present).
5. **Head**, Department of Clinical Medicine, Pharmacology and Toxicology, Faculty of Veterinary Medicine, University of Khartoum, (August, 2003- May 2006).
6. **Director**, Scientific Research Directorate, The National Ribat University, Khartoum, Sudan (June 2006-March 2007).
7. **Dean**, Graduate College, The National Riat University, Khartoum, Sudan (April 2007-2009).
8. **Dean**, Deanship of Scientific Research, University of Khartoum, Sudan (2013-2014).
9. **Director**, Directorate of International relations, University of Khartoum, Sudan (2013-2014).
10. **Dean**, Faculty of Veterinary Medicine, University of Khartoum, Sudan (March 2014- November 2019).

## **TEACHING AND RESEARCH EXPERIENCE**

### **December 2019- Present position**

Professor of Clinical Veterinary Medicine, University of Khartoum, Sudan.

### **March 2014- November 2019**

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

### **February 2013- March 2014**

Director General, Directorate of Scientific Research and Cultural Relation, University of Khartoum, Sudan.

### **April 2007- October 2010**

Dean, Graduate College of the National Ribat University P. O. Box 55, Burri Khartoum, Sudan.

**June 2006-2007**

Director, Scientific Research Directorate of the National Ribat University, P. O. Box 55, Burri Khartoum, Sudan..

**August 2003-2006**

Head, Department of Clinical Medicine, Pharmacology and Toxicology, Faculty of Veterinary Medicine, University of Khartoum, Sudan.

**May 2003-present**

Promoted to the status of Professor of Clinical Medicine in the Department of Medicine, Pharmacology and Toxicology, Faculty of Veterinary Medicine, University of Khartoum, Sudan.

**May 1999-2003**

Associate Professor of Molecular Medicine. Promotion was considered on the ability to conduct original and outstanding research in Molecular Medicine.

**April 1997-1999**

Assistant Professor of Molecular Medicine, Department of Clinical Medicine, Pharmacology and Toxicology, Faculty of Veterinary Medicine, University of Khartoum, Sudan.

**September 1996- 1997**

Post Doctorate Researcher in the Department of Veterinary Pathology, Microbiology, and Immunology at UC-Davis. Conducting research in Molecular Medicine and teaching 128 Molecular Virology course.

**September 1994- 1996**

Teaching Microbiology 128-Virology course in the Department of Veterinary

Pathology, Microbiology and Immunology, School of Veterinary Medicine, UC-Davis. Training of graduate students in the field of Molecular Biology. Development of molecular diagnostic techniques for detection of orbiviruses and development of recombinant DNA vaccine for *Schistosoma bovis*.

**December 1995**

Awarded the **Ph.D.** in the Comparative Pathology Graduate Group, University of California, Davis.

**June 1992**

Postgraduate researcher, job includes participation in the on-going research in the Department of Veterinary Pathology, Microbiology and Immunology, School of Veterinary Medicine, University of California, Davis.

**April 1992**

**Ph.D. Student** in the Comparative Pathology Graduate Group, University of California, Davis. Thesis titled "Molecular Biological Studies on Orbiviruses With Special Emphasis on Epizootic Hemorrhagic Disease Virus."

**March, 1992**

Awarded the MPVM Degree. Thesis titled "Evaluation of *Schistosoma bovis* Adult Worms Extract for Vaccination of Calves".

**August, 1990**

Masters of Preventive Veterinary Medicine (MPVM) student, School of veterinary medicine, University of California, Davis.

**February, 1987**

Awarded the Masters Degree in **Clinical Veterinary Medicine**, Faculty of Veterinary Medicine, University of Khartoum.

**November 1985**

Registered for Masters Degree in **Clinical Veterinary Medicine**, Faculty of Veterinary Medicine, University of Khartoum.

**April, 1985**

Appointed Research Assistant in the Bovine Schistosomiasis Research Project to study the parasite immunology, Faculty of Veterinary Medicine, University of Khartoum, Sudan.

**TEACHING EXPERIENCE**

**1990-1996**

Teaching Molecular Virology course (Vet Me 128), University of California, Davis.

**1997-2010**

Teaching the following courses at the Faculty of Medical Laboratory Sciences, University of Khartoum, Sudan).

1. Microbiology
2. Molecular Diagnostics

**1997-present**

Teaching the following courses at the Faculty of Veterinary Medicine, University of Khartoum, Sudan.

1. Molecular Diagnostics.
2. Clinical veterinary Medicine.
3. Foreign Animal Diseases.

**CONFERENCES, WORKSHOPS AND SYMPOSIA**

\*The International Symposium on the Development of Animal Resources in the Sudan , Khartoum, Sudan (1988).

\*The Fourth Congress of the European Society for Veterinary Pharmacology and Toxicology. Budapest, Hungary (1988).

- \*The 12th International Symposium of the world Association of Veterinary Microbiologists, Immunologists and Infectious Diseases Specialists. California, USA.(1992).
- \*The 12th Annual Meeting of the American Society for Virology, California, USA.(1993).
- \*The Western Conference of Immunology, University of California, Berkeley. California, USA (1994).
- \*The Fourth International Symposium of Veterinary Immunology, California, USA.(1995).
- \* The 9<sup>th</sup> Conference of Veterinary Medicine, Assiut University, Egypt (2000).
- \*The 11<sup>th</sup> Conference of the Islamic Accademy of Science (IAS), Rababt , Moroco (2001).
- \*The 9<sup>th</sup> Conference of the Jordanian Veterinary Medical Association, Amman, Jordan (2001).
- \*The 27th World Veterinary Association, Chartage, Tunisia (2002).
- \* The 9<sup>th</sup> Conference of Veterinary Medicine, Cairo University, Egypt (2003).
- \*The 2<sup>nd</sup> Round Table Meeting on Foot and Mouth Disease (FMD), Food and Agricultural Organization (FAO), Cairo, Egypt (2003).
- \* National Conference of Parasitology, Stuttgrdt, Germany (2004).
- \* The 21<sup>st</sup> Internationa conference of Hydatidology, Nirobi, Kenya (2004).
- \* The 21<sup>st</sup> Internationa congress of World Association of Cardio-thoracic Surgery, Attawa, Canada (2006).
- \* The 23<sup>rd</sup> Internationa conferece of Hydatidology, Athens, Greece. (2007).
- \* The 22<sup>nd</sup> Internationa congress of World Association of Cardio-thoracic Surgery, Kyoto, Japan(2007).

\* Second Working group, The European Commission on Animal welfare, Parma, Italy (2009).

## **GRANT AWARDS**

### **1985-1986**

Graduate College Research Fund, University of Khartoum, Sudan.

### **1986-1988**

UNDP/World Bank, World Health Organization (WHO) Special Program for Research and Training in Tropical Diseases. Co-principal investigator.

### **1992-1996**

Livestock Disease Research Laboratory (LDRL), School of Veterinary Medicine, University of California, Davis. Co-principal investigator.

USDA/AHPIS Cooperative agreement USDA 12-34-93-0234-CA

USDA/CSRS Animal Health and Disease 1433 Program.

### **1995-1996**

Livestock Diseases Research Laboratory (LDRL), School of Veterinary Medicine, UC-Davis. \$ 36,000 Principal investigator.

### **1997-1998**

University of Khartoum Scientific Research Directorate , Special fund to the amount of SD 500,000 (Fifty thousands Sudanese Dinars). Principal investigator.

Livestock Diseases Research Laboratory (LDRL), University of California, Davis, \$5000 US dollars. Principal investigator. International laboratory for Molecular Biology (ILMB), University of California, Davis, to the amounts of \$100000 US dollars. Principal investigator.

### **1998-1999**

International Laboratory of Molecular Biology (ILMB) for Tropical Disease

Agents \$15000 US Dollars. Principal Investigator.

**2000-2001**

Sudan University for Science and Technology 100,000 Sudanese Dinars (SD) to study the Molecular Epidemiology of the Sudanese Palyam Serogroup orbiviruses, Principal Investigator.

Central Veterinary Research laboratory (CVRL), Soba, Khartoum SD 300,000 collaborative project on Molecular Diagnostics and Development of Recombinant Subunit Vaccines.

**2001-2002**

Graduate college, University of Khartoum (200,000) SD.

Central Veterinary Research Laboratory (216,000) SD.

Ministry of Science and Technology (200,000) SD.

**2002-2003**

Ministry of Science and Technology (1,800,000) SD.

University of Khartoum US \$ US10,000

**2004-2005**

International center for Faith Research 4,000,00 SD.

Ministry of Science and Technology 1,800,000 SD.

Sudanese Standard and Meterology organization (1,200,000) SD.

Kenana Sugar Company (500,000) SD.

MAM for Contracting and High way Construction (500,000) SD.

Ministry of Animal Resources (300,000) SD.

**2006-2007**

Scientific Research Directorate, Ministry of Higher Education 1,000.000 SDG

**2007- 2008**

Scientific Research Directorate, Ministry of Higher Education 1,100 SDG.

**2008- 2009**

Scientific Research Directorate, Ministry of Higher Education 20,000 SDG

**2009- 2010**

Scientific Research Directorate, Ministry of Higher Education 20,000 SDG

**2010-2011**

Scientific Research Directorate, University of Khartoum 40,000 SDG

**2011- 2015**

University of Khartoum special grant 40,000 SDG

**2015- Present**

University of Khartoum special grant 800,000 SDG

**INTRNATIONAL SCIENTIFIC CONTRIBUTIONS**

**Fellow of the Royal College of Pathology, FRCpath (London).**

**International Expert, European Food Safety Authority (EFSA), Animal health welfare, parma, Italy (2009).**

1. A member of A Research Team working on development and evaluation of *Schistosoma bovis* vaccines for use in cattle immunization. Comparative studies were made on irradiation-attenuated, killed, and recombinant subunit vaccines expressed in *E.coli* and yeast expression vectors. (1986-1988).
2. A member of the International Laboratory of Molecular Biology (ILMB) For Tropical Disease Agents, University of California Davis, sponsored by FAO/WHO and the International Atomic Energy Agency (IAEA).
3. Visiting Scientist, Faculty of Veterinary Medicine, Agricultural University, Budapest, Hungary (August,1988).

4. Visiting Scientist, Faculty of Veterinary Medicine, Tuskegee University, Alabama, USA. Delivered a lecture on Molecular Epidemiology of Viral Pathogens (1995).
5. Visiting Scientist, Faculty of Veterinary Medicine, Albaath University, Hamas, Syria. (1999).
6. Visiting Scientist, Faculty of Veterinary Medicine, Cairo University, Egypt, Establishing Scientific Research linked between the Faculties of Veterinary Medicine at Cairo University, Egypt and Shambat, Khartoum North, Sudan.
7. Visiting Scientist, The Moroccan Academy of Science, Delivered a lecture on Current Status and Future Prospects of Biotechnology and Genetic Engineering in the Sudan with Special Reference to Veterinary Medicine, Rabat, Morocco (2001).
8. Visiting Scientist, Biotechnology and Genetic Engineering Unit, Assiut University, Assiut, Egypt (2001).
9. Visiting Scientist, Jordan Biological Product Laboratories, Amman, Jordan (2001).
10. Visiting Scientist, Department of Parasitology, Institute of Zoology, University of Hoenheim, Stuttgart, Germany (2004).
11. Visiting Scientist, International Livestock Research Institute (ILRI), Nairobi, Kenya (2004).
12. A member of the scientific directorate of International Center for Faith Research, Khartoum, Sudan (2004).
13. A member of the National Scientific Committee for Bioengineered products.
14. Team leader of several Scientific Research Projects, which were conducted in collaboration between the School of Veterinary Medicine, University of

- California at Davis, and the Faculty of Veterinary Medicine, University of Khartoum, Sudan (1997-2005).
15. A member of the editorial board for the **International Journal of Tropical Medicine (August 2005)**.
  16. Visiting Professor, University Putra Malaysia (UPM), University Kebangsaan Malaysia (USM), Malaysia Malaysia (UKM) University Sains (USM) **Malaysia, February (2008)**.
  17. Visiting Professor, Center for Biodiversity and Genetic Resources, University of Porto, Portugal, **Portugal, April (2009)**.
  18. Visiting Professor, Department of Parasitology, School of Veterinary Medicine, University of Leipzig, **Germany, May (2009)**.
  19. Visiting Professor, Centre de Recerca en Sanitat Animal, Universitat Autònoma de Barcelona, **Barcelona, Spain, September (2009)**.
  20. Visiting Professor, Animal health Department, European Commission, 101 Froissart, **Brussels, Belgium, November (2009)**.
  21. International Expert, European Food Safety Authority (EFSA), Animal health welfare, **parma, Italy (2009-present)**.
  22. Visiting Professor, Koc University, **Istanbul, Turkey (2012)**.
  23. Visiting Professor, Medical Campus, Benghazi University, **Benghazi (October, 2013)**
  24. Visiting professor, Institute Pasteur, Paris, **France (October, 2013)**
  25. Visiting Professor, University of Paris 6, Paris, **France, (October, 2013)**
  26. Visiting Professor, University of Texas A&M, **USA, (June, 2014)**
  27. Visiting Professor, Center for Disease control and Prevention **CDC, Atlanta, USA, (October, 2014)**. Collaborated with CDC in various projects in Viral

hemorrhagic fevers including Rift Valley fever, Crimean Congo Hemorrhagic fever and Lassa fever (2009- present).

28. Visiting Professor, Hokkaido University, **Japan, (October, 2016)**
29. Visiting Professor, University of Science and Technology, **Irbid, Jordan, (October, 2016)**
30. Visiting Professor, Institute Pasteur , **Dakar, Senegal, (July, 2017)**
31. Visiting Professor, College of Veterinary Medicine, University of Missouri, , **Missouri, USA, (August, 2017)**
32. Visiting Professor, Tuskegee University, **USA, (August, 2017)**

### **Major Fields of Scientific Research**

1. Emerging epizootics and Molecular characterization of viral hemorrhagic fever viruses in Sudan.
2. Application of Nucleic Acid Amplification Technology in Diagnostic Veterinary Medicine: Detection of ruminant-derived products in Processed Human Food and Animal Feed Concentrates (1997-1999).
3. Epidemiology and Molecular Diagnostic of viral diseases using modern techniques in cellular immunology and molecular biology including, monoclonal antibodies (Mab) in competitive ELISA, Complementary DNA probes, Reverse transcriptase (RT) polymerase chain reaction (RT-PCR), Nested (nRT- PCR) Multiplex (mRT-PCR).
4. Rapid detection of derived contaminants in processed food and in animal feed concentrates using PCR, with major objectives for control of Bovine Spongiform Encephalopathy (BSE), the mad cow disease.
5. Molecular epidemiology of zoonotic diseases in Sudan.

6. Clinical medicine and molecular epidemiology of infectious diseases in domestic livestock.

### **COMMUNITY SERVICES**

1. Research on communicable diseases, University of Khartoum. Veterinary clinic, Serving a rather large community in Khartoum North (1985- Present).
2. Assisting in transfer of biotechnology from the International Laboratory of Molecular Biology (ILMB) for Tropical Disease Agents of the University of California at Davis to the Faculty of Veterinary Medicine, University of Khartoum, Sudan. (1994).
3. Assistant Supervisor General for Students with special needs (blind students), University of Khartoum, Sudan (1999).
4. A Member of the Board of Directors, AL -Silat Al-Taiba International organization (NGO) September (2000).
5. Consultant, Molecular Biologist, Central Veterinary Research Laboratory (CVRL), Animal Resource Research Corporation, Ministry of Science and Technology, Khartoum, Sudan. (2001).
6. Consultant, Molecular Biologist, The Sudanese Standard and Meterology Organization (SSMO).
7. Consultant, Molecular Biologist, Ministry of Science and Technology, Khartoum, Sudan. (2001).
8. International Expert (EFSA), European Food Safety Authority, Animal health welfare, parma, Italy (2009).
9. Consultant, Molecular Biologist, Ministry of Federal Health, Khartoum, Sudan. (2001- present).
10. Consultant, Virologist, State Ministry of Health, Khartoum, Sudan. (2008-

present).

#### **REVIEWED APPLICATIONS FOR PROMOTION TO PROFESSORSHIP**

1. **Mahasin A. Elnour**, assisted in her promotion from associate professor to the status of Research Professor, Central Veterinar Research Laboratory, Soba.
2. **Salah M. M. Elamin**. assisted in his promotion from associate professor to the status of Research Professor. Central Veterinar Research Laboratory, Soba.
3. **Mohamed E. Ahmed**. assisted in his promotion from associate professor to the status of Professor. Al-Neelain University, Sudan.
4. **Abdelhameed A. Elfadil**. assisted in his promotion from associate professor to the status of Professor. Sudan University for Science and Technology, Sudan.
5. **Mohamed A. Abdalla**. assisted in his promotion from assisstant professor to the status of associat Professor. Sudan University for Science and Technology, Sudan.
6. **Ibisam A. Goraish**, assisted in her promotion from assistant professor to the status of Associate Professor, Central Veterinar Research Laboratory, Soba.
7. **Yahia H. Ali** assisted in his promotion from researcher to the status of Assistant Research Professor.
8. **Safa A. Sharfi**, assisted in her promotion from assisstant professor to the status of associat Professor. University of Dongola, Sudan.
9. **Areeg Faggad**, assisted in her promotion from assisstant professor to the status of associat Professor. University of El Gezira, Sudan.
10. **Yasir Mohamed Eltahir Ali**, assisted in his promotion from assisstant professor to the status of associat Professor. University of Nyala, Sudan.

## **SUPRVISION OF GRADUATE STUDENTS**

### **Ph.D. Students**

- 1. Mohammed Abdelsalam Abdalla**, awarded the Ph.D. degree in March, 2003. Thesis titled “**Molecular biological studies on some Sudanese isolates of Orbiviruses Serogroup**”. Graduate college, Sudan University for Science and Technology, Khartoum, Sudan.
- 2. Mohammed Abdalla Yousif**, Thesis titled “**Studies on molecular diagnosis and development for a thermostable vaccine for Newcastle disease**” Ph.D. degree awarded in March, 2005. **University of Khartoum, Sudan.**
- 3. Rihab Ali Omer**, Thesis titled “**Biomolecular studies on Genetic hetrogeneity among different genotyees of *Echinococcus granulosus* in Sudan**”. Ph.D. degree awarded in March, 2005. **University of Khartoum, Sudan.**
- 4. Khairalla Mohamed Said Khairalla**, Registered for the degree (2004). Thesis titled “**Detection of animal derived products in processed food and in animal feed concentrates**”. **University of Khartoum, Sudan.**
- 5. Safaa A Sharfi**, Thesis titled “**Microbiological Studies on *E.Coli* as a Source of Fecal Contaminants**”. Ph.D. degree awarded in March, 2007. **University of Khartoum, Sudan.**
- 6. Abdelmoniem M. Elmakki**. Comparison of conventional and molecular diagnostic techniques for detection of mycobacterium tuberculosis-complex 2010. **The National Ribat University, Sudan.**
- 7. Reem Rabie Mohamed**. Sequence analysis and phylogenetic relationship of Sudanese *Dorcus gazelle* based on mitochondrial cytochrome-b gene. October 2009. **University of Khartoum, Sudan.**
- 8. Amro A. Abubaker**. Comparison of conventional and molecular diagnostic

techniques for detection of mycobacterium tuberculosis-complex: Multiple drug resistant. 2010. **University of Khartoum, Sudan.**

9. **Siham Tagelsir Karamalla**, Molecular epidemiology of African horse sickness virus in the Sudan. April, 2011. **University of Khartoum, Sudan.**
10. **Mawahih Hassan Elgigail**. Emergence of Dengue fever in eastern Sudan. June, 2011. **In progress.**
11. **Walaa Osman Abdalla**, Molecular epidemiology of Dengue hemorrhagic fever virus in the Sudan. October, 2011.
12. Ibrahim A. Adam, Blue tongue in Camels in the Sudan. October, 2011. **In progress.**

#### **Masters Students**

- 1 **Ghada Ahmed Elderdiri**, 2001.
2. **Amir Tag Eldin Ibrahim.**, 2003.
3. **Sifian Awad Elkareem Mohammed**, 2001.
4. **Baha Eldin Kamal**, 2002.
4. **Amel Mahmoud**; 2004.
5. **Abu Elgasim Mirghani Mohammed**, 2004.
6. **Samah A. Elginai**, 2005.
7. **Amal Abu Groun**, 2005.
8. **Afraa Tag Elsir El-Atta** , 2006.
9. **Ahmed Mohammed Ahmed Osaman**, 2007.
10. **Reem Rabie**, 2008.
11. **Riham W. Salim**, 2010.
12. **Eiman Elfaki**, 2010.
13. **Asim A. Osman**, 2010.

14. **Muhannad A. AbdelRahman**, 2011.
14. **Hanaa Ahmed Osman**, 2011.
16. **Hiba Ali Hussien**, 2012.
17. **Ibrahim A. Adam**, 2016.
18. **Mohamed Faisal Elgasim**, 2012.
19. **Augustino Bol.**, 2016.
20. **Hadia M. Khair**, 2016.
21. **Alaa A. Ibrahim**, 2016.
22. **Hajir A. Suliman**, 2016.
23. **May M. Abdalla**, 2016.
24. **Shamseldin Mohamed**, 2017.
25. **Hazim A. Abubaker**, 2019.

#### **EXAMINATION OF POST GRADUATE STUDENTS**

##### **Member of the examination committee for the following Ph.D candidates:-**

1. **Nahla Osman Mohamed Ali**, Ph.D. candidate, thesis entitled “An investigation of CRK protein kinases of Leishmanis and the assessment of their potential as drug targets”. Ph.D awarded in(2003).
2. **Mohammed A. Abdalla**, Ph.D. candidate “Molecular biological studies on some Sudanese isolates of Orbiviruses Serogroup”. Ph.D.degree awarded in (2003).
3. **Tamadur M Abdalla**. Ph.D. candidate “Epidemiological Studies on Rift Valley Fever in the Sudan”. Ph.D.degree awarded in (2007).
4. **Mohammed Abdalla Yousif**, PhD Candidate , thesis titled “Studies on molecular diagnosis and development for a thermostable vaccine for Newcastle disease” Ph.D. degree awarded in December, 2005.

5. **Enaam Mohammed ElSanousi**, PhD Candidate , thesis titled “Molecular characterization and detection of Brucella species.
6. **Safa A. Sherfi**, PhD Candidate , thesis titled “Physiological studies on *Eschericia coli*.
7. **Rihab A. Omer**, PhD Candidate , thesis titled “Biomolecular studies on *Echinococcus granulossus* in the Sudan.
8. **Zuhail Mubarak**, PhD Candidate, thesis titled “PRK protein as potential candidate for development of malaria vaccine”.
9. **Siham Tagelsir Karamalla**, thesis titled “Serological survey and molecular diagnosis of African horse sickness virus in Khartoum State, Sudan”.
10. **Oday Abdulrazzaq Aljumail**. Characterization of recently isolated New Castle Disease viruses and Development of Inactivated Genotype VII New Castle Disease Vaccines. UPM, Malaysia.
11. **Ali Abdallahi Alsaahmi**. The epidemiology of New Castle disease in Sultanate of Oman. UPM, Malaysia.

**Examination committee for the following Masters degree Students:-**

10. **Amir Tag Eldin Ibrahim.**, Masters degree (April, 2003). Thesis titled “Detection of *Mycobacterum avium* subspecies paratuberculosis using nested polymerase chain reaction (nPCR)”.
11. **Ahmed Mohammed Ali Daboura**, Isolation of Bacteria associated with Calves diarrhoea. MVSc (2002).
12. **Elfatih Abdelrahman**, Studies on sheep pox in Western Sudan. MVSc (2002).
13. **Mohammed Mahgoub Ibrahim**, Factors associated with chick mortality in Khartoum State. MVSc (2002).

14. **Hanan Yousif Abdalla**, Epidemiological studies on rinderpest in the Sudan. MVSc (2001).
15. **Yagoub Hamatalla, A.** Acute suppurative tonsillitis in patients from Khartoum (2004).
16. **Mohamed Habbo**, Analytical evaluation of various methods of determination of vitamin B-complex , (2004).
17. **AbuelGasim Mirgani M. Tahir**, Examination of animals for soundness. (2004)
18. **Baha Eldin Kamal Abdelatif**, Specific identification of swine nucleic acid sequence using polymerase chain reaction (2006).
19. **Salma Abdelrahman**, Detection of enterotoxic *scherichia coli* in stool samples using real time PCR 2010.

#### **SCIENTIFIC AND ACADEMIC MEMBERSHIPS**

1. Fellow of the Royal College of pathologists (**FRCpath**) London.
2. Association of Teachers of Public Health and Preventive Medicine (**ATPHPVM**) of North America, the United States and Canada.
3. Euro-Arab Veterinary Medical Association
4. Arab Veterinary Medical Association
5. African Veterinary Medical Association
6. Sudan Veterinary Association (**SVA**).
7. American Association for Advancement of Science (**AAAS**)
8. World Association of Veterinary Microbiologist, Immunologist and Infectious Diseases Specialists.
9. World Association of Veterinary Medicine
10. American Society of Microbiologist (**ASM**)

- 11.** International Association of Hydatidology.
- 12.** Sudan Veterinary Council (SVC)

## PUBLICATIONS

1. Ahmed, M.E.; Siddig, S.A.; Adam, I.A.; Grobush M.P.; **Aradaib, I.E.** 2021. Prevalence of Cystic Echinococcosis and Associated Risk Factors among Humans in Khartoum State, Cent International Health 2021;13:327–333
2. Eldigail, M.H., Abubaker, A., Khalid, F., Abdalla, T., Musa, H. H., Ahmed, M. E., Adam, G.K, Elbashir, M. I., **Aradaib, I.E.** 2020. Association of genotype III of dengue virus serotype 3 with disease outbreak in Eastern Sudan. **Virology Journal.** **17:118.** doi.org/10.1186/s12985-020-01389-9
3. Eldigail, M.H., Abubaker, H.; Babiker, R.A., Khalid, F., Adam I ,A., Abdalla, T.; Ahmed, M.E., Haroun, E.M., **Aradaib, I.E.** 2020. Recent transmission of dengue virus and associated risk Facors among residents of Kassala state, eastern Sudan. **BMC Public Health.** **20:530.** doi.org/10.1186/s12889-020-08656-y
4. Eldigail, M.H., Adam, G.K., Babiker, R.A., Khalid, F., Adam I ,A., Omer, O.H., Ahmed, M.E., Birair, S.L., Haroun, E.M., AbuAisha, H., Karrar, A.E., Abdalla, H.S., **Aradaib, I.E.** 2018. Prevalence of dengue fever virus antibodies and associated risk factors among residents of El-Gadarif state, Sudan. **BMC Public Health.** **18(1): 921.** doi: 10.1186/s12889-018-5853-3.
5. Karamalla, S.T., Gubran, A.I., Adam, I.A., Abdalla, T.M., Sinada , R.O., Haroun, E.M., **Aradaib, I.E.** 2018. Sero-epidemioloical survey on African horse sickness virus among horses in Khartoum State, Central Sudan. **BMC Vet Res.** **14(1):230.** doi: 10.1186/s12917-018-1554-5.
6. Ahmed, M.E., Salim, B., Grobusch, M.P., **Aradaib IE.** 2018. First molecular characterization of Echinococcus granulosus (sensu stricto) genotype 1 among cattle in Sudan. **BMC Vet Res;** **14 (1): 36.** doi: 10.1186/s12917-018-1348-9.

7. Suliman, H.M., Adam, I.A., Saeed, S., Abdelaziz, S.A., Haroun, E.M., **Aradaib, I.E.** 2017. Crimean Congo hemorrhagic fever among the one-humped camel (*Camelus dromedaries*) in Central Sudan. **Viol J.** **4(1):147.**
  
7. Ahmed, M.E., Eldigail, M.H., Elamin, F.M., Ali, I.A., Grobusch, M.P., **Aradaib, I.E.**, 2016. Development and evaluation of real-time loop-mediated isothermal amplification assay for rapid detection of cystic echinococcosis. **BMC Vet Res.** **12:202.** doi: 10.1186/s12917-016-0809-2.
  
8. Abdallah, M.M., Adam, I.A., Abdalla, T.M., Abdelaziz, S.A., Ahmed, M.E., **Aradaib IE.** 2016. A survey of rift valley fever and associated risk factors among the one-humped camel (*Camelus romedaries*) in Sudan. **Irish Vet J.** doi: 10.1186/s13620-016-0065-6.
  
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