

# Curriculum Vitae

**Yassir Adam Shuaib Mohamed**

**BVM, MTADM, MVSc,**

**College of Veterinary Medicine**



**Sudan University of Science and Technology**

**2012**

# Curriculum Vitae



## Personal Information

Name(s) **Yassir Adam Shuaib Mohamed**

Permanent Address Sudan University of Science and Technology (SUST),  
College of Veterinary Medicine (CVM),  
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Nationality Sudanese

Date of birth 29/10/1982

Place of birth El-Obeid, North Kordofan State, the Sudan

Gender Male

**Desired Employment or Occupational Field**

**1- Field Veterinarian**

**2- SUST Teaching Staff**

**3- Researcher**

**Work Experience**

**1- Occupation or position held** **Farm Doctor and Manager**

Dates From November/2005 to May/2006

Main activities and responsibilities

**1- Taking health care of animals (cattle and small ruminants)**

**2- Doing animal husbandry and breeding tasks**

**3- General farm management**

Type of business or sector	<b>Private Sector</b>
<b>2- Occupation or position held</b>	<b>SUST Teaching Staff (teaching assistant) at the Department of Veterinary Medicine and Surgery, CVM</b>
Dates	From May/2006 to December/2009
Main activities and responsibilities	<p><b>1-</b> Teaching the practical course of Internal Veterinary Medicine and Laboratory Diagnosis, doing the following activities:</p> <ul style="list-style-type: none"> <li>● Carrying out clinical examination, making diagnosis and prescription of treatments for diseased animals</li> <li>● Collecting blood samples and performing complete haemograph including: <ul style="list-style-type: none"> <li>- Total Leukocytes Count</li> <li>- Total Erythrocytes Count</li> <li>- Packed Cell Volume (PCV)</li> <li>- Estimation of Haemoglobin Concentration</li> <li>- Detection of blood parasites in stained films</li> <li>- Detection of trypanosomes and microfilariae in unstained and Buffy-coat preparations</li> <li>- Recognition of the indicative abnormalities for anaemia like hypochromia, poikilocytosis and anisocytosis in unstained preparations</li> <li>- Studying of the morphological characters and the quality of erythrocytes in stained films</li> <li>- Differentiation and identification of leukocyte types in stained films</li> <li>- Erythrocyte Sedimentation Rate (ESR)</li> </ul> </li> <li>● Performing blood chemistry; estimation of the levels of <ul style="list-style-type: none"> <li>- Plasma proteins (total protein, albumin, globulin)</li> <li>- Glucose</li> <li>- Creatinine</li> <li>- Urea</li> <li>- Bilirubin</li> </ul> </li> <li>● Estimating the levels of plasma or serum enzymes like: <ul style="list-style-type: none"> <li>- ALT (Alanine Aminotransferase)</li> <li>- AST (Aspartate Aminotransferase)</li> <li>- LDH (Lactic Dehydrogenase)</li> <li>- ASP (Alkaline Phosphatase)</li> <li>- SD (Sorbitol Dehydrogenase)</li> <li>- GD (Glutamic Dehydrogenase)</li> </ul> </li> <li>● Testing serum samples for detecting antibodies against different infectious pathogens e.g. Rose Bengal Test for Brucellosis</li> <li>● Collecting faecal samples and carrying out the following tests: <ul style="list-style-type: none"> <li>- Macroscopic examination for detecting segments of tape worms and oxyuris species</li> <li>- Microscopic examination (direct smear and flotation and sedimentation methods)</li> <li>- Egg count (McMaster method)</li> <li>- Detecting different bacterial species that cause intestinal disturbances</li> </ul> </li> </ul>

- Collecting urine samples and carrying out the following analyses:
  - Macroscopic examination (colour, odour, viscosity and clarity)
  - Microscopic examination to detect erythrocytes and crystals in urine deposits
  - Chemical examination (estimation of pH, detection of protein by acids, detection of sugar by Benedict's reagent, detection of bilirubin by iodine and detection of Ketone bodies by Rothera's crystals)
- Collecting and testing milk samples for detecting mastitis by:
  - Macroscopic examination (colour, odour, and viscosity)
  - Laboratory examination (estimation of pH by California Mastitis Test "CMT" and Modified Whiteside Test "MWT")
  - Incubated milk smear (Newman's stain)
- Collecting skin scrapings for
  - Parasitological diagnosis (using potassium hydroxide for detection of mites)
  - Fungal diagnosis by using light microscope and by culturing
- Carrying out bacteriological and mycological diagnosis (isolation and identification) from a diverse of biological samples from animals

2- Teaching the practical course of wild animals diseases (demonstration of lesions by using coloured pictures)

3- Teaching the practical course of fish anatomy, physiology and diseases (fish dissection and demonstration of anatomy and lesions by using coloured pictures)

4- Coach tutorial activities

5- Supervision of students' tours and field visits which are important parts of the trainings offered to undergraduate students at the CVM, SUST

6- Leading students in their experiments of graduating Projects

**3- Occupation or position held**      **SUST Teaching Staff (lecturer) at the Department of Veterinary Preventive Medicine and Public Health, CVM**

Dates      From January/2010 to December/2011

Main activities and responsibilities      Doing MTADM master courses and field project

Dates      From January/2012 to date

Main activities and responsibilities      **1-** Teaching the course of Infectious Diseases of Animals which has three components:

- Bacterial diseases like
  - Anthrax
  - Brucellosis
  - Tuberculosis
  - Botulism
  - Listeriosis
  - Campylobacteriosis
  - Leptospirosis

- Tetanus
- Viral Diseases like
  - Foot and Mouth Disease
  - Rift Valley Fever
  - Sheep and Goat Pox
  - Rinderpest
  - Peste des Petits Ruminants
  - African Horse Sickness
  - Bluetongue
  - Avian Influenza
  - Newcastle Disease
- Parasitic Diseases
  - African Animal Trypanosomiasis
  - Babesiosis
  - Theileriosis
  - Toxoplasmosis
  - Leishmaniasis
  - Roundworms and Tapeworms Infestations

**2-** Coach tutorial activities of the Veterinary Preventive Medicine master students (food safety seminars, discussion session and visits)

**3-** Help master students by research only to develop a research project theme and to write their proposal and to do their assignments efficiently

**4-** Coordinating students exchange programmes between the CVM, SUST and the School of Veterinary Medicine, Addis Ababa University

**5-** Responsible of updating the college's website and data entry

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College of Veterinary Medicine (CVM),  
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P. O. Box 204,  
Hilat Kuku, Khartoum North,  
The Sudan.

Type of business or sector **Governmental  
(Education, Research and Providing Community Services)**

### **Education and Training**

#### **1- Visited schools**

**Primary Education** Al-Shurtah Primary School for Boys

Dates From 1990 to 1997

Title of qualification awarded **Primary School Leaving Certificate**

Name and type of organisation providing education and training Ministry of General Education  
(Governmental Organization)

Level in national or international classification	ISCED 1
<b>Secondary Education</b>	El-Obeid Secondary School for Boys
Dates	From 1998 to 2000
Title of qualification awarded	<b>Secondary School Leaving Certificate (Sudanese Certificate)</b>
Name and type of organization providing education and training	Ministry of General Education (Governmental Organization)
Level in national or international classification	ISCED 3
<b>2- University Education</b>	
<b>Name of the University Attended</b>	<b>CVM, SUST</b>
Dates	From 2001 to 2005
Title of qualification awarded	<b>Bachelor of Science in Veterinary Medicine and Surgery (BVMS), first class honour, the top performance</b>
Principal subjects and occupational Skills covered	<p><b>1- Principal Subjects Studied at Undergraduate Level</b></p> <p>Veterinary Medicine and Surgery  Veterinary Epidemiology  Veterinary Preventive Medicine  Veterinary Microbiology  Veterinary Parasitology  Veterinary Virology  Infectious Diseases  Zoonotic Diseases  Poultry Diseases  Laboratory Examination  Immunology  Food Hygeine and Safety</p> <p><b>2- Skills covered during conducting graduation project experiment were:</b></p> <ul style="list-style-type: none"> <li>- Conducting clinical trials</li> <li>- Collecting blood samples from donkeys</li> <li>- Quantifying the level of trypanosomes in the collected blood samples (parasitaemia)</li> </ul>

	<ul style="list-style-type: none"> <li>- Carrying out <ul style="list-style-type: none"> <li>a. Total Leukocytes Count</li> <li>b. Total Erythrocytes Count</li> <li>c. Packed Cell Volume (PCV)</li> <li>d. Estimation of Haemoglobin Concentration</li> <li>e. Detection of trypanosomes in unstained, stained and Buffy-coat preparations</li> <li>f. Studying the indicative abnormalities for anaemia</li> <li>g. Differentiation of leukocyte types in stained films</li> </ul> </li> <li>- Collecting and testing faecal samples from donkeys (direct smear and flotation and sedimentation methods)</li> </ul>
Title of graduation thesis	<b>Haematological Response of Donkeys to Experimental <i>Trypanosoma evansi</i> Infection</b>
Name and type of organization providing education and training	Ministry of Higher Education and Scientific Research (Governmental Organization)
Level in national or international classification	ISCED 5
<b>3- Postgraduate Education</b>	
First master degree	
<b>Name of the University or the High Institution</b>	<b>1- Freie Universität Berlin (FUB), Faculty of Veterinary Medicine (FVM), Germany</b> <b>2- Addis Ababa University (AAU), School of Graduate Studies, Ethiopia</b> <b>3- Sudan University of Science and Technology (SUST), College of Graduate Studies and Scientific Research, the Sudan</b>
Dates	From January/ 2010 to December/ 2011
Title of qualification awarded	<b>Master course in International Animal Health with the Specialization Subject Transboundary Animal Diseases Management (MTADM)</b>
Principal subjects and occupational skills covered	<b>1- Principal Subjects or Basic Modules included in MTADM</b> <ul style="list-style-type: none"> <li>- <b>Epidemiology and Biostatistics</b></li> <li>- Livestock Production Systems and Disease Ecology</li> <li>- Animal Health Information System and Disease Patterns</li> <li>- <b>Prevention and Control of Transboundary Animal Diseases (TAD)</b></li> <li>- Socio-Economics, Community Participation and Project Management</li> <li>- Animal Food Value Chains and Food Safety</li> <li>- <b>Laboratory Diagnosis Applications</b></li> <li>- <b>Risk Analysis</b></li> <li>- Conflict Resolution and Peace Management</li> </ul>

- **Surveillance and Risk-based Surveillance**
- **Emerging and Re-emerging Diseases & Environmental Interactions**
- Livestock and Animal Products Trade and Regulations
- Animal Health Economics
- Delivery and Evaluation of Veterinary Services
- Wildlife, Aquatic and Ecosystem Health Management

**2- Occupational skills covered during MTADM research project were mastering of**

- Developing a theme or an idea for a research project
- Proposal writing
- Managing a research project
- Determining the required sample size in a study with certain specific objectives
- Employing the appropriate sampling strategy and study design to attain the specific objectives of a certain study
- Collecting blood samples for serum from different age groups of sheep
- Carrying out competitive-ELISA for detection of IgG against PPR virus
- Conducting questionnaire surveys
- Reviewing of literature and developing a full thesis
- Data management, coding, importing and analysis using SPSS (descriptive statistics, univariate analysis using the chi square test and multivariate analysis using logistic regression)

Thesis title	<b><i>Peste des Petits Ruminants in Sheep in the Sudan: A Study on Sero-Prevalence and Risk Factors</i></b>
Name and type of organization providing education and training	FUB, AAU, and SUST
Level in national or international classification	ISCED 6
Second master degree	
<b>Name of the University or the High Institution</b>	<b>Sudan Academy of Science (SDS)</b>
Dates	Thesis defended on the 7 <sup>th</sup> of March/2012 and certificate not yet issued
Title of qualification awarded	<b>Master of Veterinary Science and Animal Health (MVSc)</b>
Principal subjects and occupational Skills covered	<b>Occupational skills covered were mastering of:</b> - Collecting blood samples for making smears and for serum from different age groups of cattle



- Collecting blood spots on filter papers for PCR and other molecular studies
- Collecting and preserving tick samples for tick identification
- Making blood smears
- Giemsa staining and light microscopy for detecting *Babesia bigemina*
- Carrying out indirect-ELISA for detection of IgG against *B. bigemina*
- Carrying out IFAT for detection of antibodies against *Babesia bovis*
- Extraction of DNA and carrying out PCR for detection of DNAs of *Babesia bigemina* and *Babesia bovis*

Thesis Title **Prevalence of *Babesia bigemina* (Apicomplexa: Babesiidae) Infection in Cattle in North Kordofan State.**

Name and type of organization providing education and training Ministry of Science and Technology (Governmental Organization)

Level in national or international classification ISCED 6

### **Personal Skills and Competences**

#### **Short courses and on-job trainings**

**1- Quality Management Systems (ISO 9001:2008).** At the Total Quality and Excellence Centre, Sudan University of Science and Technology, the Sudan, from 5/August to 12/August 2006, sponsored by Sudan University of Science and Technology.

**2- Electronic Citizen (e-citizen) short course on:** Basic computer skills, using internet and e-mail, access to on-line content and data search, access to on-line services, contributing content on-line and e-participation. At the Computer Centre, Sudan University of Science and Technology, the Sudan, from 11/September to 4/October 2006, sponsored by Sudan University of Science and Technology.

**3- Basic Principles of Ultrasound and its Applications in Veterinary Medicine.** At the College of Veterinary Medicine and Animal Production, Sudan University of Science and Technology, the Sudan, from 31/July to 8/August 2007, sponsored by Sudan University of Science and Technology.

**4- Basic Principles of Ultrasound and its Applications in Pregnancy Diagnosis in Small Ruminants.** At the College of Veterinary Medicine and Animal Production, Sudan University of Science and Technology, the Sudan, from 29/June to 8/July 2008, sponsored privately.

**5- Basic Immunology and Basic Immunodiagnostic Techniques.** At the Graduate College, University of Bahr El-Gazal, the Sudan, from 4/July to 7/August 2009, sponsored by Sudan University of Science and Technology.

**6- German Language; Level Beginner.** At the Unit of German Language, Institute of Foreign Languages, Addis Ababa University, Ethiopia, 2010, as a part of MTADM trainings.

**7- Training on Excel 2007: Functions, data analyses and making charts.** At the Faculty of Veterinary Medicine, Freie Universität Berlin, Germany, 2010, as a part of MTADM trainings.

**8- Compliance and Accreditation of Laboratories (ISO 17025: 2005).** At the Institute of Epidemiology, Federal Research Institute for Animal Health, Germany, 2010, as a part of MTADM trainings.

**9- Laboratory Biosecurity and Biosafety.** At the Faculty of Veterinary Medicine, Freie Universität Berlin, Germany, 2010, as a part of MTADM trainings.

**10- Proposal writing workshop.** At the School of Veterinary Medicine, Addis Ababa University, Ethiopia, 2011, as a part of MTADM trainings.

**11- Workshop of Data Management, Coding, Importing and Analyses using the Statistical Package for Social Sciences (SPSS) for Windows® version 18.0 and Information Presentation in Tables or Charts.** At the School of Veterinary Medicine, Addis Ababa University, Ethiopia, 2011, as a part of MTADM trainings

**12- Training workshop on: Animal Health and Epizootic Disease Control.** At the Ministry of Livestock, Fisheries and Rangelands, the Sudan, from 10/March to 16/March 2012, sponsored by the Ministry of Livestock, Fisheries and Rangelands and the European Union.

**13- Application of Hazard Analysis of Critical Control Points (HACCP) and ISO 22000 in Food Safety and Hygiene.** At the College of Veterinary Medicine, Sudan University of Science and Technology, the Sudan, from 6/May to 10/May 2012, sponsored privately.

**14- ISO 22000:2005 Food Safety Management Systems (HACCP).** At the Sudan University of Science and Technology, the Sudan, from 3/June to 4/ June 2012, sponsored by the Prime Ministry of Republic of Turkish International Cooperation and Coordination Agency (TIKA). Conducted by the Prime Ministry of Republic of Turkish International Cooperation and Coordination Agency (TIKA) and Food Safety and Hygiene.

**15- Meat and Poultry Meat Hygiene and Slaughterhouse Practices in EU Norms.** At the Sudan University of Science and Technology, the Sudan, from 5/June to 6/ June 2012, sponsored by the Prime Ministry of Republic of Turkish International Cooperation and Coordination Agency (TIKA). Conducted by the Prime Ministry of Republic of Turkish International Cooperation and Coordination Agency (TIKA) and the College of Veterinary Medicine.

**Languages**

Mother tongue(s) **1- Arabic**

Other language(s)

Self-assessment

**English**

**Deutsch**

**French**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user
A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

Social skills and competences	<p>Good ability to adapt to multicultural environments, gained through my work at the university, field, and studying abroad in Germany and Ethiopia and through my visit to United Arab Emirates.</p> <p>Good communication skills, gained through my work at the university, field, and studying abroad in Germany and Ethiopia and through my visit to United Arab Emirates.</p>
Organisational skills and competences	<p>Leadership (I led four students' tours " three were within the Sudan and one was to the SVM, AAU, Ethiopia" and trained nine groups of students on how to carry out the laboratory work of their graduation projects beside to controlling tutorial activities), gained through my work at the university</p>
Technical skills and competences	<p>Good experience in performing clinical examination of animals, making diagnosis, prescribing treatments for diseased animals and most importantly how to conduct and manage a research project gained through my work at the university, field, and conducting two masters' research projects.</p>
Computer skills and competences	<p>Good command of Microsoft Office tools (Word, Excel, and PowerPoint), gained through attending e-citizen short course, at the Computer and Information Technology Centre, Sudan University of Science and Technology, the Sudan and trainings on Excel spreadsheet 2007 at Freie Universität Berlin, Germany.</p> <p>Good internet user and responsible of updating the college's website and data entry, gained through attending e-citizen short course, at the Computer and Information Technology Centre, Sudan University of Science and Technology, the Sudan and by practice.</p>
Academic Affiliations	<p>Member of Sudan Veterinary Council since June/2006</p> <p>Member of Sudan Veterinary Association since July/ 2006</p> <p>Member of British Council-Sudan since February/2009 (renewable membership)</p> <p>Member of Sudan Camel Association since June/2009</p>

**Publications** 1- Mossaad E., Abdolgabbar A. M., **Shuaib Yassir**, and G. A. Mohamed. (2008), First Isolation of *Aspergillus flavus* from Calf with eye Infection in Sudan. Competition for Resources in a Changing World: New Drive for Rural Development, Tropentag 2008. Book of Abstracts, page 365. Available at: <http://www.tropentag.de/2008/abstracts/full/664.pdf> and <http://www.tropentag.de/2008/abstracts/posters/664.pdf>

also published at :

Mossaad, E.E.; Abdo Elgabbar, M.A.; **Yassir Shuaib**; G.E. Mohammed. 2010. First Isolation of *Aspergillus flavus* from a calf with Bilateral Keratoconjunctivitis in Sudan. *U of K. J. Vet. Med. and Anim. Prod.* **1 (1)**: 183-186.

2- Eljack H. M., Abdo Elgabbar M.A, **Shuaib Y.A.**, Elham A.S. (2012): Case Study: Diagnosis of Dermatophytosis in a Saanen Goat (*capra aegagrus hircus*). . *U of K. J. Vet. Med. and Anim. Prod.*, **2 (2)**. **Accepted**

3- Mohamed-Noor, S. E., **Y. A. Shuaib**, S. E. Suliman and M. A. Abdalla (2012): Study of Microbial Contamination of Broilers in Modern Abattoirs in Khartoum State. *The Annals of the University Dunarea de Jos of Galati*. **Accepted**

**4- Shuaib Y. A.,** A. M. El-Fadil1, K.Zessin, Mahasin E. Abdel-Rahman, H. Negussie and G. Ayelet (.....): Seroprevalence and Risk Factors of Peste des Petits Ruminants in Sheep in the Eastern and Kordofan Region of the Sudan. **In Press**

**5- Shuaib Y. A.,** A. M. El-Fadil1, K.Zessin, Mahasin E. Abdel-Rahman, H. Negussie and G. Ayelet (.....): Knowledge and Perception of Sheep Herders and Owners on Peste des Petits Ruminants in Sheep in the Eastern and Kordofan Region of the Sudan. **In Press**

**6- Shuaib Y. A.,** Halima M. Osman, Zakia Abass, M. A. Bakheit, A. El-Nahaas, Rihab A. Omer and A. A. Ismail (.....): Prevalence of *Babesia bigemina* Infection in Cattle in North Kordofan State. **In Press**

**7- Nageeb M., Y. A. Shuaib,** S. E. Suliman and M. A. Abdalla (.....): Study of Microbial Contamination of Broilers On-Farm in Khartoum State. **In Press**

**References Amel Omer Bakhiet (BVSc, MSc, PhD)**

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