

## Academic CV



### **Personal Details**

Name	Bashir Osman Mohammed Salim
Date of Birth	12.10.1979
Place of Birth	Elobied, Sudan
Gender	Male
Marital Status	Married
Nationality	Sudanese
Academic Status	Assistant Professor
Department	Parasitology
Faculty	Veterinary Medicine
E-mail	<a href="mailto:bashirsalim@gmail.com">bashirsalim@gmail.com</a> / <a href="mailto:bashirsalim@uofk.edu">bashirsalim@uofk.edu</a>
Telephone No.	+249 912195616

### **FIELD OF WORK**

Molecular Parasitology, Genetic Diversity, Livestock Genetics, Population Genetics, Genome Wide Association Analysis

### **SPECIAL INTEREST**

Molecular Diagnostics, Parasite Epidemiology, Genetic Diversity and Population Genetics of Host and Parasites

### **Academic Qualifications**

Degree	Institution	Country	Date
Bachelor of Veterinary Medicine	Faculty of Veterinary Medicine	Sudan	2004
Mater of Veterinary Medicine	Faculty of Veterinary Medicine	Sudan	2008
Doctor of Philosophy	Graduate School of Veterinary Medicine, Hokkaido	Japan	2011

### **ACADEMIC APPOINTMENTS EXPERIENCE INCLUDING INDICATIONS of External Recognition**

Position/Title	Institution/ country	Date
Research Assistant	National Centre for Research, Sudan	April 2005-September 2005
Teaching Assistant	Department of Parasitology, Faculty of Veterinary Medicine, U of K, Sudan	September 2005 - September 2009
Lecturer	Department of Parasitology, Faculty of Veterinary Medicine, U of K, Sudan	September 2009 – September 2011
Assistant Professor	Department of Parasitology, Faculty of Veterinary Medicine, U of K, Sudan	October 2011 Up to date
Post-doctoral Research Fellow	Centre for Genetics and Genomics, School of Life Sciences, The Nottingham University, United Kingdom	January 2013 – December 2013

### **SPECIALISED/ PROFESSIONAL TRAINING**

Training	Institution / Country	Date
1. Zoonosis Control Expert (Credential awarded)	Hokkaido University, Japan	2009-2011 3 yrs
2. Empirical Population Genetics Training Course, in collaboration with CRD and CIRDES	Faculty of Veterinary Medicine, University of Khartoum, Sudan	15-18 Oct.2012

3. Training course in: Introduction to Remote Sensing: Principles and Applications	Faculty of Forestry, University of Khartoum, Sudan	7-11 Nov 2010.
4. Polymerase Chain Reaction for Diagnosis of Protozoan Diseases	Research Center for Protozoan Diseases, Obihiro, Hokkaido, Japan	21 Aug-16 Sept. 2007
5. Orientation and Demonstrations at several Departments	Faculty of Veterinary Medicine University of Pretoria and Onderstepoort Veterinary Institute, South Africa	22 April - 21 May 2004

### **SCHOLARSHIPS, Awards, Honours and Distinctions**

Awarding Body	Country	Date
1. Ministry of Higher Education and Scientific Research (Scholarship for MVM).	Sudan	2006
2. Ministry of Higher Education and Scientific Research and National Research Centre for Protozoan Diseases, Obihiro, Japan (Sandwich Program for Practical of MVM).	Sudan- Japan	2007
3. Japanese Government Scholarship (For PhD Study)	Japan	2008- 2011
4. Islamic Development Bank Merit Scholarship for High Technology (For Post-doctoral Research Fellowship)	Saudi Arabia	Jan 2013-Dec. 2013

### **AWARDS (During undergraduate study)**

Award	Awarding Body	Country	Date
1. Prize for the Second best academic performance in the 4 <sup>th</sup> year class	Faculty of Veterinary Medicine, University of Khartoum	Sudan	2003
2. Prize for the best	University of	Sudan	2004

academic performance in in the 5 <sup>th</sup> year class	Khartoum		
3. Prize for the best academic performance in Medicine, Pharmacology & Toxicology	University of Khartoum	Sudan	2004
4. Prize of Undersecretary of the Federal Ministry of Animal Resources and Fisheries for the best academic performance in 5 <sup>th</sup> year class	Ministry of Animal Resources and Fisheries	Sudan	2004

#### **PROFESSIONAL COURSES & WORKSHOPS ATTENDED**

Training Course/ Workshop	Body	Country	Date
1. Browsing Genomes with Ensembl and Ensembl Genomes Workshop.	The Genome Analysis centre, Norwich	England	2013
2. Parasite Vector genomics II in Sapporo	Hokkaido University	Japan	2008
3. The first International Meeting for Protozoan Diseases, Japan Society for Promotion of Science (JSPS) Africa-Asia Science Platform Program	NRCPD/ Obihiro	Japan	2007
4. African Research Forum on Emerging and Re-emerging Infections	Hokkaido University	Japan	2008
5. Dairy Production	Arab Company	Sudan	2005
6. Pet Animals Medicine	International Veterinary Students Association	South Africa	2004

### **COURSES & WORKSHOPS ATTENDED IN EDUCATION**

1. Training Course/ Workshop	Body	Date
2. Bio-Linux Course organised by British Antarctica Survey, Natural	Environmental Research Council, Cambridge United Kingdom.	24 Oct. 2013
3. A four-month intensive Japanese language course. Certificate was awarded)	Japanese Government (MEXT)	2008
4. Training course in Education Preparation U of K certificate was awarded.	University of Khartoum	2006

### **CONFERENCES AND SEMINARS ATTENDED**

Conference	Country	Date
1. 5 <sup>th</sup> Annual Next Generation Sequencing Congress collocated with the Single Cell Analysis Congress. Organised by Oxford Global Conferences	England	2013
2. 3 <sup>rd</sup> International Young Researcher Seminar for Zoonosis Control	Japan	2011
3. 13 <sup>th</sup> International Congress of Bacteriology and Applied Microbiology by organized International Union of Microbiological Societies 2011 Congress (IUMS)	Japan	2011
4. 2 <sup>nd</sup> International Young Researcher Seminar in Zoonosis Control.	Japan	2010
5. 79 <sup>th</sup> Annual Meeting of the Japanese Society of Parasitology	Japan	2010
6. 1 <sup>st</sup> International Young Researcher Seminar in Zoonosis Control	Japan	2009

### **THE CO-AUTHORS (NO PERSONAL ATTENDANCE)**

Conference	Country	Date
1. 5 <sup>th</sup> International Symposium on Animal Functional Genomics	Brazil	2013
2. 31 <sup>st</sup> Conference of the International Scientific Council for Trypanosomiasis Research and Control (ISCTRC)	Mali	2011
3. 10 <sup>th</sup> Biennial Conference of the Society for Tropical Veterinary Medicine (STVM)	Germany	2009

### **TEACHING & EXAMINATION EXPERIENCE**

#### **Undergraduate**

Course Title	Credit hours	Semester/year	Faculty
Protozoology	3	Second / 2012 & 2014	Veterinary Medicine

#### **ii) Postgraduate**

Course Title	Credit hours	Semester/year	Faculty
Parasites Control	2	Second/2012 & 2014	Veterinary Medicine

#### **Examinations**

#### **Undergraduate**

Status	Course Title	Faculty	University	Date
Assistant Professor	Protozoology	Veterinary Medicine	Khartoum	2012

#### **ii) Postgraduate**

Status	Course Title	Faculty	University	Date
Assistant Professor	Control of Parasites	Veterinary Medicine	Khartoum	2012

**ADMINISTRATIVE & PROFESSIONAL RESPONSIBILITIES & ACTIVITIES at UNIVERSITY of KHARTOUM**

**ADMINISTRATIVE RESPONSIBILITIES**

Date	Position
2014	Secretary of the Faculty Veterinary Research Board
2012	Acting Head Department
2012 to date	Secretary of the Board of the Department of Parasitology, Faculty of Veterinary Medicine
2012 to date	Member of the Faculty Board (as Representative of the Department of Parasitology), Faculty of Veterinary Medicine.
2012 -2013 2014 up to date	Co-ordinator of the Master by courses and Research, Department of Parasitology, Faculty of Veterinary Medicine.
2012	Member of the Examination Committee (Coordinator for the 4 <sup>th</sup> year undergraduate class), Faculty of Veterinary Medicine
2012	Member of the committee to develop transcript certificate for master of science by courses and research

**SERVICE ACTIVITIES**

Date	Activity
2012	Zoonotic parasites at the Directorate of Animal Resources, North-Kordofan
2012	Population genetics of African cattle at the Directorate of Animal Resources, North-Kordofan

## OTHER ACTIVITIES

Date	Activity
2013	Scientific visit to School of Veterinary Medicine, University of Nottingham, UK

## MEMBERSHIP

### i) LOCAL

Status	Association/ Society	Town//Country	Date
Member	Sudan Veterinary Council	Khartoum/Sudan	2013

### ii) REGIONAL

Status	Association/ Society	Town/Country	Date
Member	Science Development Network of the Islamic Development Bank	Jeddah, Kingdom of Saudi Arabia	2013 to date

### iii) INTERNATIONAL

Status	Association/ Society	Town/Country	Date
Member	Japanese Society of Parasitology	Japan	2009 to date
Member	Association Islamic Development Bank Scholar in the UK	United Kingdom	2013 to date

## ORGANISATION OF PROFESSIONAL TRAINING COURSES

Status	Training course/ Symposium	Country	Date
Resource Person	Empirical Training Course in: DNA sequences analysis, Phylogeny and Population analysis: Continues training centre, Faculty of Veterinary Medicine, University of Khartoum	Sudan	9-13 <sup>th</sup> Feb. 2014



Coordinator	Empirical Population Genetics Training Course, in collaboration with CRD and CIRDES. Organized by Faculty of Veterinary Medicine, University of Khartoum, Sudan	Sudan	15–18 Oct. 2012
Coordinator and instructor	First workshop on diagnostic tools, Molecular epidemiology network for promotion and support of delivery of life vaccines against <i>Theileria parva</i> and <i>Theileria annulata</i> infection in Eastern and Northern Africa. DFG Germany-African Cooperation Project in Infectionology	Sudan	13-17 Nov. 2011

### **Research and related administration**

#### **SUPERVISION OF RESEARCH WORK**

##### **Master of Science (Co supervisor)**

Student Name	Thesis Title	University	Date
Ms Eiman Ahmed Abdelmutalab Ahmed	Sequencing and Phylogenetic Analysis of the Capripoxvirus G-Protein- Coupled Chemokine Receptor Gene (GPCR) of Some Sudanese Isolates	University of Khartoum	Oct 2011
Ms Sana Ibrahim Mohamed Adam	(BSc, 2006, University, Sudan). Differentiation between Virulent and Avirulent Newcastle Disease Virus Isolates Using the Cleavage Site Motif of the Fusion Protein	University of Khartoum	January 2012
Ms Hoyam Omer Ahmed Elhaj	Co- Infection of <i>Theileria annulata</i> and <i>Mycobacterium bovis</i> Infection in Cattle in Sudan	University of Khartoum	2012

## RESEARCH GRANTS

Proposal Title	Granting Body/country	Amount	Date
Molecular epidemiology of trypanosome parasites in camels and equids in relation to drug resistance	Islamic Development Bank	GBP15000	2012

## PUBLICATIONS

### Summary

No of articles	<b>13</b>
No of articles after Assistant Professor promotion	<b>6</b>
No of articles after Associate Professor promotion	<b>0</b>
No of articles in International Journals	<b>11</b>
No of articles in Regional Journals	<b>0</b>
No of articles in Local Journals	<b>0</b>
No of articles in Conference Proceedings	<b>2</b>
No of articles as First Author	<b>10</b>
No of articles as Second Author	<b>2</b>
No of articles as Last Author	<b>0</b>
No of articles as Original article	<b>9</b>
No of articles as Review article	<b>1</b>
No of articles as Short communication	<b>2</b>
No of articles as Case report/ Letter	<b>0</b>

**Publication list:**

1. **Salim B.**, Hassan S. M., Bakheit, M. A., Alhassan A., Igarashi, I., Karanis, P. & Abdelrahman, M. B. (2008). Diagnosis of *Babesia caballi* and *Theileria equi* infections in horses in the Sudan using ELISA and PCR. Parasitology Research, 103 (5), 1145-1150. Impact Factor: 2.852 (PMID [18618143](#))
2. **Salim B.**, Bakheit MA, Kamau J, Nakamura I and Sugimoto C. Nucleotide sequence heterogeneity in the small subunit ribosomal RNA gene within *Theileria equi* from horses in Sudan. Parasitol. Res 2010, 106 (2): 493-8. Impact Factor: 2.852 (PMID [19953269](#))
3. Kamau J, **Salim B.**, Yokoyama N, Kinyanjui P, Sugimoto C. (2011). Rapid discrimination and quantification of *Theileria orientalis* types using ribosomal DNA internal transcribed spacers. Infection Genetics and Evolution, 11(2), 407-14. Impact Factor: 3.039 (35%) (PMID [21145431](#))
4. Kamau J, de Vos AJ, Playford M, **Salim B.**, Kinyanjui P, Sugimoto C: Emergence of new types of *Theileria orientalis* in Australian cattle and possible cause of theileriosis outbreaks. Parasite Vectors 2011, 4:22. Impact Factor: 3.25 (15%) (PMID [21338493](#))
5. **Salim, B.**, Bakheit, M. A., Kamau, J., Nakamura, I. & Sugimoto C. (2011). Molecular epidemiology of camel trypanosomiasis based on ITS1 rDNA and RoTat 1.2 VSG gene in the Sudan. Parasite Vectors, 4, 31. Impact Factor: 3.25 (PMID [21375725](#))
6. **Salim, B.**, Bakheit, M. A., Sir Elkatim, S., Kamau, J., Nakamura, I., Kakao, R. & Sugimoto C. (2011). An Outbreak of Bovine Trypanosomiasis in the Blue Nile State, Sudan. Parasite Vectors, 4: 74. Impact Factor: 3.25 (PMID [21569459](#))
7. **Salim, B.**, de Meeûs, T., Bakheit, A. M., Kamau, J., Nakamura, I. & Sugimoto C. (2011). Population genetics of *Trypanosoma evansi* from Camel in the Sudan. P L o S Neglected and Tropical Diseases, 5(6), e1196. Impact Factor 4.57 (PMID [21666799](#))

<p><b>8. Salim, B.,</b> Bakheit, A. M. &amp; Sugimoto, C. (2013). Current Status of Equine Piroplasmiasis in the Sudan. <i>Infection Genetics Evolution</i>, 16C: 191-199. Impact Factor: <b>3.039</b> (PMID <a href="#">23485745</a>)</p>
<p><b>9. Abdellatif, M. M., Salim, B.,</b> Ibrahim, A. A., Asil, T. &amp; Khalafalla, A. I. (2013). Analysis of TK and C18L genes of wild-type and cell culture passaged camelpox virus. <i>Virologica Sinica</i>. 28(4): 239-41. Impact Factor: <b>1.65</b> (30%) (PMID <a href="#">23913181</a>)</p>
<p><b>10. Salim, B.,</b> Bakheit, M. A. &amp; Sugimoto C. (2013). Rapid detection and identification of <i>Theileria equi</i> and <i>Babesia caballi</i> by high-resolution melting (HRM) analysis. <i>Parasitology Res</i>, 112(11), 3883-6. Impact Factor: <b>2.852</b> (PMID <a href="#">23990047</a>)</p>
<p><b>11. Salim, B.,</b> Bakheit, A. M. &amp; Sugimoto C. (2013). Molecular detection of Equine Trypanosomes in the Sudan. <i>Veterinary Parasitology</i>, (In press) Impact Factor: <b>2.611</b> (PMID <a href="#">24439848</a>)</p>
<p><b>12. Salim, B.,</b> Bakheit, M.A. and Sugimoto C. (2014). Demographic profiles and genetic variation among the only African indigenous dairy zebu breeds: the Butana and Kenana of the Sudan. Proceeding of the 5<sup>th</sup> Annual Conference of Postgraduate Studies and Scientific Research. University of Khartoum. February 24-27, 2014. (Accepted)</p>
<p><b>13. Salim, B.,</b> Hanotte O., M. Mwacharo J.M. (2014). Mini-Review: A novel and high throughput methods for detection and identification of <i>Theileria equi</i> and <i>Babesia caballi</i>. Proceeding of the 5<sup>th</sup> Annual Conference of Postgraduate Studies and Scientific Research. University of Khartoum. February 24-27, 2014. (Accepted)</p>

**Forthcoming publication**

**A: Submitted and under review:**

1. Al-Mathen F, Charruru P, Peters J, **Salim B**, Abdussamad MA, Raziq A, Faye B, Al-Ekna M, Watzer C, Hanotte H, Burger AP. Dynamics of domestications and trading revealed by global genetic diversity of the dromedary “Proceedings of the Royal Society B”].

**B: Submitted:**

1. **Salim, B.**, Taha, M.K., Hanotte, O, and Mwacharo. MJ. Historical demographic profiles and genetic variation of the East African Butana and Kenana indigenous dairy zebu cattle [Genetics Selection Evolution]

**C: In preparation:**

1. **Salim B.**, Al-Mathen, F., Hanotte, O., & Mwacharo MJ. An insight into the history of African cattle pastoralism: Full mitochondrial genome study of African cattle. [Targeting “Proceedings of the Royal Society B”]
2. **Salim B.**, Bahbahani H., Mwacharo J.M., Hanotte O. Analysis of genome wide association and diversity of Butana and Kenana of the Sudan (Targeting Animal Genetics)

**Referee of Textbooks OR Journals**

Journal/ Textbook	Date
1. Infection, Genetics and Evolution	04/06/2010 21/01/2014
2. Parasites and Vectors	05/07/2011
3. Veterinary Parasitology	16/11/2011
4. Research in Veterinary Science	15/04/2012
5. Acta Tropica	14/05/2013