

Curriculum Vitae

PERSONAL INFORMATION:

- Name: Hussam Ali Osman Balloula
- Date of Birth: 10 / 6 / 1979
- Citizenship: Sudanese
- Gender: Male
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EDUCATION:

- **Ph.D.** in Haematology, Alneelain University (2017).
- **M.Sc.** in Haematology & Immunohematology, University of Sudan for Science & Technology (2009).
- **Completion of qualifying year**, University of Khartoum (2005).
- **B.Sc.** in Medical Laboratory Sciences – Faculty of Medicine & Health Sciences, Department of Medical Laboratory Sciences, University of Shendi (2004).

Teaching & Work Experience:

1. 2009 up-to-date full time Lecturer & Research Officer, Ahfad University for women.
2. 2005-2009 full time Research Assistant, Institute of Endemic Diseases, University of Khartoum.
3. 1st of march – 31st of august 2014 lecturer of Immune-Haematology and blood banking at AL Yarmouk College for Medical Sciences department of Medical Laboratory Sciences (Khartoum, Sudan).
4. May 2011 to October 2012, Royal Care International hospital (Khartoum, Sudan), Laboratory department, Haematology section.

Research Experience:

- Macrophage cell line culture.
- DNA extraction with different methods.
- Polymerase chain reaction for diagnosis and research (PCR) & RFLP.
- Protein purification & SDS-PAGE.
- Lymphocyte isolation and stimulation.
- Processing of Direct Agglutination Test Antigen for diagnosis and research.
- Experimental infection of animals and experimental animals for research.
- Isolation and cultures of Leishmania parasites from different clinical forms.

WORKSHOPS ATTENDED:

- Theoretical and practical course on Basic Techniques of DNA Isolation, Manipulation and Applications, International Centre for Genetic Engineering and Biotechnology organized by the National Biotechnology Development Agency, Lugbe, Abuja, Nigeria, from 11 – 22 June 2012.
- Theoretical course “Mouse Genetics; Models for Human Diseases”, International Centre for Genetic Engineering and Biotechnology Trieste, Italy- February (2010).
- Practical course "Application of Molecular diagnostic on human diseases, prevention and treatment", International Centre for Genetic Engineering and Biotechnology, organized by the Atomic Energy Commission, Damascus, Syria- April (2009)
- 2nd Scientific Conference of the Sudanese Society of Clinical Biology, Khartoum, Sudan- November (2007).
- Molecular Entomology: Application of Molecular biology tools in characterization of medical insects – Tropical Medicine Research Institute- Khartoum, Sudan- September (2006).
- Training course in laboratory diagnosis of Malaria, The Laboratories Administration Centre, Sudan- Khartoum state (2005).
- A workshop on data analysis using Statistical Package for Social Sciences (SPSS) during the period 29th January 3rd February 2011.

INTERNATIONAL ACTIVITIES:

Joining Armauer Hansen Research Institute (AHRI), Addis Ababa in January 2017 as trainer to introduce the local production of the DAT antigen for the diagnosis of visceral leishmaniasis.

LICENSES / CERTIFICATION:

- Registration at Sudanese Council for Medical & Health professions as Medical Laboratory Specialist.

COMPUTER SKILLS:

- Computer Skills: (Word, Excel, PowerPoint, Internet, Access & SPSS) Excellent.

LANGUAGES:

- Arabic (Native language) Excellent.
- English language (Listening, Speaking, Writing, Grammar and etc...) Excellent.

List of dissertations supervision:

1. Rayan Anees Awad & Samah Alhadi Alkhider. School of Pharmacy. Ahfad University for Women. (2016) (B.Sc). **Title of thesis:** *In vitro Anti Leishmanial Effects of Purslane Crude Extracts*
2. Monia O. Ali & Malaz O. Ali. School of Health Science. Ahfad University for Women. (2015) (B.Sc). **Title of thesis:** *The Effects of Portulaca oleracea Alcoholic Extract on Induced Hypercholesterolemia in Wister Albino Rats*
3. Elaf S.M. Salih & Fatima Ali H.Elsheikh. School of Pharmacy. Ahfad University for Women. (2013) (B.Sc). **Title of thesis:** *Hypoglycemic Effect of PortulacaOleracea.L (Rigla) In Alloxan-Induced Diabetic Rats.*
4. Shahd A. said &Sahar A.F Eldai. School of Health Science. Ahfad University for Women. (2013) (B.Sc). **Title of thesis:** *Seroprevalence of Toxoplasmosis among Aborted Women in Omdurman New Hospital (Alsaudi Maternal Hospital).*
5. SamahI.O.Mohammed &YathrebM.Mohammed. School of Health Science. Ahfad University for Women. (2013) (B.Sc). **Title of thesis:** *Prevalence of Anemia among Two to Fifteen Years Old Children in Omdurman Military Hospital.*
6. Eptihal A. Eliass & Malaz Mohammed. School of Health Science. Ahfad University for Women. (2013) (B.Sc). **Title of thesis:** *Prevalence of Tooth Decay in Children Referred to the Military Dental Clinic.*

Puplications:

1. **Osman, H.A.**, Mahamoud, A., Abass, E.M., Madi, R.R., Semiao-Santos, S.J. and el Harith, A., (2016). Local Production of a Liquid Direct Agglutination Test as a Sustainable Measure for Control of Visceral Leishmaniasis in Sudan. *The American Journal of Tropical Medicine and Hygiene*, pp.15-0574.
2. Amin, M.A., Elsadig, A.M. and **Osman, H.A.**, (2017). Evaluation of cathodic antigen urine tests for diagnosis of schistosoma mansoni infection in Sudan. *Saudi Journal of Medicine and Medical Sciences*, 5(1), p.56.
3. Mahamoud, A., **Osman, H.A.**, Mansour, D. and el Harith, A., (2013). Successful substitution of fetal calf serum by human plasma for bulk cultivation of Leishmania donovani promastigotes. *Journal of medical microbiology*, 62(8), pp.1165-1169.
4. **Balloula, H.A.O.**, (2009). *DETERMINATION OF HAEMATOLOGICAL PARAMETERS AND FETAL HAEMOGLOBIN LEVEL IN RELATIVES OF PATIENTS WITH BETA-THALASSEMIA MAJOR (GAZERA STATE-SUDAN)*. M. Sc. Thesis. Sudan University of Science and Technology.
5. **Hussam Ali Osman*** and Sana Altahir Abdallah**. (2017) *Full Blood Count in Sudanese Carriers of 3.7 Alpha Thalassaemia*. Unpublished paper presented at The 8th Conference of Graduate Studies, Alneelain University. Khartoum, Sudan.
6. Nouh S. Mohamed^{1,2,3}, **Hussam A. Osman**⁴, Mohamed S. Muneer^{2,5}, Abdallah M. Sami⁶, Ayman Ahmed², Anwar O. Mohammed⁷, Muzamil M. Abdel Hamid², Arwa H. Elaagip^{1*} Identification of Risk Factors Associated with Cases of Visceral Leishmaniasis in Non-endemic Areas in Gedarif State, Sudan (*Submitted*)
7. Abdelhafeiz Mahamoud¹, **Hussam Ali Osman**¹, Elfadil Mustafa Abass^{1,2}, Rubens Riscala Madi³, Saul J Semiao-Santos⁴ and Abdallah el Harith^{1*}. Identification of an area exclusively endemic for childhood visceral leishmaniasis in central Sudan (*Submitted*).

REFREES:

1. Professor. Waleed Mohamed Elamin (Molecular Biologist)

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