



Dr. Hussam Ali Osman, PhD (Haematology)

Assistant Professor at Faculty of Health & Medical Sciences, Liwa College, Abu Dhabi, UAE

EDUCATION

- **PhD.** in Medical Laboratory Sciences “MLS” (Major Haematology) (2017), Alneelain University. Research title: {Screening for 3.7 and 4.2 Deletion Mutations in Sudanese Patients Suspected with Alpha Thalassaemia}.
- **M.Sc.** in Medical Laboratory Sciences “MLS” (Major Haematology & Immunohematology) (2009), Sudan University of Science and Technology. Research title: {Determination of Haematological Parameters and Fetal Haemoglobin Level in Relatives of Patients with Beta-Thalassaemia Major (Gazera State-Sudan)}.
- **B.Sc.** (Honours) in Medical Laboratory Sciences “MLS” (2004), Faculty of Medical Laboratory Sciences, Shendi University (Major Haematology & Chemical Pathology).

ACADEMIC EXPERIENCE

1- Full Time:

- Assistant Professor of Haematology & Immune at Faculty of Medical and Health Sciences, Liwa College, Abu Dhabi, UAE (August 2023 up to date).
- Assistant Professor of Haematology & Immune at Medical Lab Analysis Program, Department of Health and Medical Sciences, Khawarizmi International College, Abu Dhabi, UAE (January 2021 – September 2023)
- Associate Professor. School of Pharmacy, Department of Biotechnology, Ahfad University for Women, Omdurman, Sudan (Since 26 of December 2020).
- Assistant Professor of Haematology & Immune. School of Pharmacy, Department of Biotechnology, Ahfad University for Women, Omdurman, Sudan (July 2017 – December 2020).
- Lecturer, School of Pharmacy, School of Health Sciences & Ahfad Center for Science and Technology, Ahfad University for Women, Omdurman, Sudan (May 2009 - May 2017).
- Research Assist at Institute of Endemic Diseases, Faculty of Medicine, University of Khartoum, Khartoum, Sudan (March 2005 - May 2009).

List of taught courses:

1. Basic Hematology.
2. Diagnostic Hematology.
3. Hematology Coagulation and Hemostasis.
4. Transfusion Science & Blood Bank
5. Clinical Practice.
6. Immunology.
7. Molecular Biology.
8. Physiology.

9. Introduction to Pharmacology and Toxicology.
10. Research Methodology.
11. Laboratory Management and Quality Assurance.
12. Clinical Laboratory Instruments.
13. Medical Terminology.

2- External Examiner “Graduate Studies”

- External examiner Master of Medical Laboratory Sciences, Gulf Medical University, Ajman UAE, February 2022 up to date.
- External examiner Master of Medical Laboratory Sciences. Shendi University (2018-2019)

3- Membership:

- Member of the Research Ethic Committee at Research Department, Khawarizmi International College, Abu Dhabi, UAE.
- International Membership at Institute of Immunology and Immunotherapy, University of Birmingham: Birmingham, GB. Since 2023-03-29 to present.
- Advisory Board Member at Medical Laboratory Sciences, Gulf Medical University: Ajman, AE. Since 2023-02-20 to present.

4- Visiting Lecture & external examiner “Undergraduate” in different Universities (March 2014 – December 2020).

- Al Yarmouk University, Faculty of Medical Laboratory Sciences, Department of Hematology, Khartoum, Sudan.
- Sheikh Abdallah al-Badri University, Faculty of Medical Laboratory Sciences, Department of Hematology Barbar, Sudan.
- Elrazi University, Faculty of Medicine, Department of Community Medicine, Khartoum, Sudan.
- AL Obaid University, Faculty of Medical Laboratory Sciences, Department of Hematology, Al Obaid, Sudan.
- West Kurdufan University, Faculty of Medical Laboratory Sciences, Department of Hematology, El Nuhud, Sudan.
- Kassala University, Faculty of Medical Laboratory Sciences, Department of Hematology, Kassala, Sudan.

Non-Academic Experience

1- Administrative:

- A. Acting Program Leader for Medical Lab Analysis Program, Department of Health and Medical Sciences, Khawarizmi International College, Abu Dhabi, UAE (March to November 2021).
- B. Coordinator of Graduate Studies, Master of Pharmaceutical Biotechnology, School of Pharmacy, Ahfad University for Women, Omdurman, Sudan (July 2017 – December 2020)
- C. Head of Biotechnology Research Laboratory, Ahfad University for Women, Omdurman, Sudan (July 2017 – December 2020).

2- Professional:

Medical Laboratory Technologist (Hospital and Clinical Laboratory work):

- A. Royal Care International Hospital, Department of Clinical Laboratory and Pathology, Department of Haematology (May 2011 - October 2012).
- B. Awad Hussein Teaching Hospital, Omdurman al-Ardah, Department of Clinical Laboratory (February 2005 - March 2007).

Professional Development Activities

• Licenses / Certification:

- Registration at Sudanese Council for Medical & Health professions as Hematology Consultant.
- Good Clinical Practice Certificate from National Institute on Drug Abuse, National Institutes of Health, Department of Health and Human Services.

• Skills:

- Communication, Ability to Work under Pressure, Decision Making, Time Management, Self-motivation, Conflict Resolution, Leadership and Adaptability.
- Computer Skills: (Word, Excel, PowerPoint, Internet, Access & SPSS) Excellent.
- Languages:
 - o Arabic (Native language) Excellent.
 - o English language (Listening, Speaking, Writing, Grammar and etc...) Excellent.

• Research interests:

- Haematological Disorders (Haemoglobinopathy “**Thalassemia’s**”)
- Processing and production of antigens for research and diagnosis (**Hemoflagellates** antigen processing “Leishmaniasis & Trypanosomiasis”)
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• **Laboratory skills (Techniques):**

- Basic and advanced haematology techniques.
- Basic and routine Microbiology, Parasitology and Chemical Pathology techniques.
- Basic Cytogenetic techniques (Karyotyping)
- Macrophage cell line culture.
- DNA extraction with different methods.
- Polymerase chain reaction (conventional, Nested & Real time) for diagnosis and research (PCR) & RFLP.
- Protein purification & SDS-PAGE.
- Lymphocyte isolation and stimulation.
- Processing and production of Direct Agglutination Test Antigen for diagnosis and research.
- Animals experiments for research.
- Isolation and cultures of Leishmania parasites from different clinical forms (Skin lesion aspiration & Lymph node aspiration).

• **Research activity links:**

1. ORCID link: <https://orcid.org/0000-0002-2017-2331>
2. Research gate link: https://www.researchgate.net/profile/Hussam_Osman3
3. Google Scholar link: <https://scholar.google.com/citations?hl=en&tzom=-240&user=M9axbAMAAAJ>
4. Academia:
https://ahfad.academia.edu/Departments/Pharmaceutical_Biotechnology/Documents

• **Manuscript Peer Review**

- 1 peer review for the "Pakistan Journal of Medical Sciences": Year 2019.

• **Meetings and workshops attended**

1. PD workshops, Abu Dhabi University:
 - AI in Education: Steps to enhance your Teaching and Learning, Aug 24, 2022.
 - The Annual Faculty Professional Development Day- The New Academic Year, Aug 25, 2022.
 - The Annual Faculty Professional Development Day- Updates on the Digitalization of Syllabus Design, Aug 25, 2022
 - Creating Educational Videos Using AI Workshop, Sep 9, 2022
 - HSP: Create rich and interactive learning experiences for your students, Sep 15, 2022
2. ICGEB Meeting on “Mycobacterial heterogeneity and host tissue-tropism” New Delhi, India 11 – 15 February 2020.
3. ICGEB Workshop on (Host-directed therapeutic strategies for infectious diseases) Cape Town, South Africa. 18-21 September 2017.
4. ICGEB theoretical and practical course on Basic Techniques of DNA Isolation, Manipulation and Applications, Lugbe, Abuja, Nigeria, from 11 – 22 June 2012.
5. ICGEB theoretical course “Mouse Genetics; Models for Human Diseases”, Trieste, Italy

from 22 – 25 February 2010.

6. ICGEB practical course "Application of Molecular diagnostic on human diseases, prevention and treatment", Damascus, Syria from 6 – 14 April 2009.
7. Molecular Entomology: Application of Molecular biology tools in characterization of medical insects – Tropical Medicine Research Institute- Khartoum, Sudan- September (2006).
8. Training course in laboratory diagnosis of Malaria, The Laboratories Administration Centre, Sudan- Khartoum state from 14 – 19 May 2005.
9. A workshop on "Data analysis using Statistical Package for Social Sciences" (SPSS), organized by the University Staff Training Centre at Ahfad University for Women, during the period 29th January 3rd February 2011 (25 contact hours).
10. Training course on "Research Skills Development", organized by the University Staff Training Centre at Ahfad University for Women, during the period 12th January 30th March 2014 (80 contact hours).

Note: ICGEB is the International Centre for Genetic Engineering and Biotechnology, which is an international, nonprofit research organization. Established as a special project of UNIDO, it became fully autonomous in 1994 and now counts over 60 Member States. The ICGEB provides a scientific and educational environment of the highest standard and conducts innovative research in life sciences for the benefit of developing countries. It strengthens the research capability of its Members through training and funding programs and advisory services and represents a comprehensive approach to promoting biotechnology internationally. The Centre is dedicated to advanced research and training in molecular biology and biotechnology and holds out the prospect of advancing knowledge and applying the latest techniques in the fields of biomedicine, crop improvement, environmental protection/remediation, biopharmaceuticals and bio pesticide production.

• List of Conference Participation

1. MENA Stem Cells Forum 17-18 March 2023. Dubai Marina Hotel, Dubai, UAE.
2. Young Scientists Conference on Genomics and Human Health in Africa during 2-7 December 2018 in Khartoum, Sudan. link: <http://www.ghha.sd/2018/11/21/hussam-ali/>
3. Conference of (Addressing the Burden of Diseases in Sudan through Scientific Collaboration between University of Khartoum, Ahfad University for Women and Imperial College London) 20-22 November 2018 in Khartoum, Sudan.
4. The 8th Annual Graduate Conference, Alneelain University January 2017, Khartoum, Sudan. Link: <http://repository.neelain.edu.sd:8080/xmlui/handle/123456789/10234>.
5. Second scientific conference of the Sudanese Society of Clinical Biology, Khartoum, Sudan- November (2007).

• Regional activities:

- Joining Armauer Hansen Research Institute (AHRI), Addis Ababa in January 2017 as trainer to establish the local production of the DAT antigen for the diagnosis of visceral leishmaniasis. Jimma Road, Addis Ababa, malaria & Neglected Tropical Diseases Research Unit.

• Publications

1. Ae, H., Abass, E., Martinkovic, F., Mansour, D. and **Osman, H.**, 2023. Validation of an improved reference freeze-dried direct agglutination test for the detection of leishmaniasis in the canine reservoir. *Research Square*.
2. Nail, A.E. Ahmed, I., **Osman, H.A.** and el Harith, A., 2023. Haematological malignancies as disorders negatively impacting specificities of the direct agglutination and rapid rK39 strip tests as reference diagnostics for visceral leishmaniasis. *Access Microbiology*, 5(4), pp. <https://doi.org/10.1099/acmi.0.000522.v3>.
3. Basabaeen, A.A., Abdelgader, E.A., Babekir, E.A., Abdelateif, N.M., Abdelrahim, S.O., Altayeb, O.A., Fadul, E.A., **Osman, H.A.**, Bamusa, S.A. and Ibrahim, I.K., 2022. Characteristics of Chronic Lymphocytic Leukemia in Sudanese Patients. *Asian Pacific Journal of Cancer Care*, 7(3), pp.467-474.
4. Darwish, H.S., Alrahbi, B., Almamri, H., Noone, M., **Osman, H.A.** and Abdelhalim, A., 2022. Genomic Study of TCF7L2 Gene Mutation on Insulin Secretion for Type 2 DM Patients: A Review. *Annual Research & Review in Biology*, 37(12), pp.86-93.
5. **Osman H.A.**, Hamid MMA, Ahmad RB, Saleem M, Abdallah SA. 2020. Prevalence of 3.7 and 4.2 Deletions in Sudanese Patients with Red Cells Hypochromia and Microcytosis. *BMC Res Notes*.10;13(1):65. doi: 10.1186/s13104-020-4933-5.
6. Harith AE, Awad Y, Mahamoud A, Abass E, Mansour D, Moura de Melo C, Madi RR, Semiao-Santos SJ, **Osman H.A.** 2020. Modifications in a reference freeze-dried direct agglutination test to improve visceral leishmaniasis detection. *Am J Trop Med Hyg*. 10. doi: 10.4269/ajtmh.19-0745.
7. **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*, 94(5), pp.982-986.
8. Mohamed, N.S., Abdelbagi, H., **Osman, H.A.**, Ahmed, A.E., Yousif, A.M., Edris, Y.B., Osman, E.Y., Elsadig, A.R., Siddig, E.E., Mustafa, M. and Mohammed, A.A., 2020. A snapshot of Plasmodium falciparum malaria drug resistance markers in Sudan: a pilot study. *BMC Research Notes*, 13(1), pp.1-7.
9. Mohamed NS, **Osman H.A.**, Muneer MS, Samy AM, Ahmed A, Mohammed AO, Siddig EE, Hamid MM, Ali MS, Omer RA, Elaagip AH. Identifying asymptomatic Leishmania infections in non-endemic villages in Gedaref state, Sudan. *BMC research notes*. 2019 Dec 1; 12(1):566.
10. Mohamed NS, Albsheer MM, Abdelbagi H, Siddig EE, Mohamed MA, Ahmed AE, Omer RA, Muneer MS, Ahmed A, **Osman H.A.**, Ali MS. Genetic polymorphism of the N-terminal region in circumsporozoite surface protein of Plasmodium falciparum field isolates from Sudan. *Malaria Journal*. 2019 Dec;18(1):1-0.
11. el Harith, A., Mahamoud, A., Awad, Y., Mansour, D., Abass, E.M., el Agib, A., Riscala Madi, R., Santos, S.J.S. and **Osman, H.A.**, 2019, May. Are we now well prepared for another major visceral leishmaniasis epidemic in Sudan? In *Open Forum Infectious Diseases*.
12. Mahamoud, A., **Osman, H.A.**, Abass, E.M., el Agib, A., Madi, R.R., Semiao-Santos, S.J.

- and el Harith, A., 2018. Identification of an area predominantly endemic for childhood and adolescent visceral leishmaniasis in central Sudan. *Acta tropica*, 178, pp.142-147.
13. Mahamoud, A., Awad, Y., **Osman, H.A.**, el Agib, A., Madi, R.R., Semiao-Santos, S.J. and el Harith, A., 2018. User and environment friendly direct agglutination test for the sero-diagnosis of visceral leishmaniasis: exclusion of formaldehyde and β -mercaptoethanol in test execution. *Journal of medical microbiology*, 67(12), pp.1731-1736.
 14. 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.
 15. 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.
 16. Mohamed AK, Elhassan NM, Awhag ZA, Ali FS, Ali ET, Mhmoud NA, Siddig EE, Hassan R, Ahmed ES, Fattahi A, Ahmed A, Muneer MS, **Osman HA**, Mohamed NS, Edris AMM. Prevalence of *Helicobacter pylori* among Sudanese patients diagnosed with colon polyps and colon cancer using immunohistochemistry technique. *BMC Res Notes*. 2020 Jul 6;13(1):322. doi: 10.1186/s13104-020-05159-2. PMID: 32631443; PMCID: PMC7339555.
 17. Mohamed NS, Siddig EE, Ahmed AE, Albsheer MMA, Abdelbagi H, Ali ET, Alsubki AA, Abdalaziz SA, Mustafa M, Muneer MS, **Osman HA**, Osman MM, Ali MS, Edris AMM, Ahmed A, Omer RA. Frequency distribution of IL-17A G197A (rs2275913) and IL-17F A7488G (rs763780) polymorphisms among healthy Sudanese population. *BMC Res Notes*. 2020 Jul 2;13(1):317. doi: 10.1186/s13104-020-05165-4. PMID: 32616024; PMCID: PMC7330939.

Appendices:

• Thesis Examination

A. MSc.

1. REEM MOHAMED AHMED ALMASNSOORI / Master of Medical Laboratory Sciences, Gulf Medical University, Ajman UAE (2022). Research Title: Haematological Parameters and Their Correlation to Vitamin D level and Glycated Hemoglobin in Patients with Type 2 Diabetes Mellitus.
2. FATMA HASSAN ALBALOOSHI / Master of Medical Laboratory Sciences, Gulf Medical University, Ajman UAE (2022). Research Title: VITAMIN D LEVEL IN EMIRATI PATIENTS WITH SICKLE CELLS.
3. Ibtisam Obaid Almatrooshi / Master of Medical Laboratory Sciences, Gulf Medical University, Ajman UAE (2022). Research Title: Differential effect of SARS-COV-2 infection on D-Dimer among Thumbay Hospital Patients with and without Comorbidities.
4. Aisha Wael Hassan Al Hassan / Master of Medical Laboratory Sciences, Gulf Medical University, Ajman UAE (2022). Research Title: Blood Cells Indices and Blood Cells Morphology in Adult Symptomatic Patients with Sars-Cov-2 in THUMBAY HOSPITALS, UAE.
5. Ayat Abdelrahman Abakera Hassan / Master of Pharmaceutical Biotechnology (B6), Ahfad University for Women (2019). Research title: Genetic Polymorphism of NAT2 in Tuberculosis Infected Patients under Treatment with Isoniazid Referred to Abo Anga Hospital.
6. Rayan Elzubair Elzubair Elmalik / Master of Pharmaceutical Biotechnology (B6), Ahfad University for Women (2019). Research title: K13-propeller polymorphism as a molecular marker of artemisinin-resistant in plasmodium falciparum malaria in Sudanese Patients (co-supervisor)
7. Alshaima Ibrahim Bashir Ibrahim / Master of Pharmaceutical Biotechnology (B6), Ahfad University for Women (2019). Research title: Cytochrome CYP2C19 Polymorphism in Sudanese Volunteers under Treatment with Omeprazole, A case control Study.
8. Noha Khogaly Mohammed Elnor School of Graduate Studies / Master of Medical Laboratory Sciences (B1) (Haematology & Immunohematology), Shendi University (2018). Research title: Evaluation of Prothrombin Time and Partial Thromboplastin Time in Patients with Liver Diseases Referred to Atbara Hospital.
9. Tahani Mohammed Altaib Ali School of Graduate Studies / Master of Medical Laboratory Sciences (B1) (Haematology & Immunohematology), Shendi University (2018). Research title: Evaluation of Protein S Level in Ladies with Placental Complicated Pregnancy Attending Shendi Teaching Hospital.
10. Sahar Aldaleal Alnagar Yousif. School of Graduate Studies / Master of Medical

- Laboratory Sciences (B1) (Haematology & Immunohematology), Shendi University (2018). Research title: Role of Activated Protein C Resistance in Complicated Pregnancy in Shendi City.
11. Alrowda Huzyfa Abd Elwahab Ali School of Graduate Studies / Master of Medical Laboratory Sciences (B1) (Haematology & Immunohematology), Shendi University (2018). Research title: Normal Reference Values of Hematological Parameters among Adults Sudanese in Elmatama City.
 12. Towheda Hussein Mohammed School of Graduate Studies / Master of Medical Laboratory Sciences (B1) (Haematology & Immunohematology), Shendi University (2018). Research title: Evaluation of Autoimmune Hemolytic Anemia in Malaria Infected Patients in Atbara City.
 13. Hind Mahmoud Ibrahim School of Graduate Studies / Master of Medical Laboratory Sciences (B1) (Haematology & Immunohematology), Shendi University (2018). Research title: Effects of Camellia Sinensis (Green Tea) on Prothrombin Time and International Normalized Ratio in Consumers Volunteer Living in Shendi City.
 14. Abdalhafiez Abozaid Mohammed School of Graduate Studies / Master of Medical Laboratory Sciences (B1) (Haematology & Immunohematology), Shendi University (2018). Research title: Frequencies of RBCs Alloimmunization among Multi Transfused Patients Referred to Shendi Teaching Hospital.
 15. Abeer Hassan Elfaki Fadel Elseed School of Graduate Studies / Master of Medical Laboratory Sciences (B1) (Haematology & Immunohematology), Shendi University (2018). Research title: Determination of Anemia Subtypes in Children from Six to Ten Years old Attending Almesiktab Hospital in Shendi City.
 16. Eltigani Alshafea Al Hassan Saad School of Graduate Studies / Master of Medical Laboratory Sciences (B1) (Haematology & Immunohematology), Shendi University (2018). Research title: Evaluation of Changes in Hematological Parameters and Iron Profile among Children with Schistosoma Haematobium Infection in Shendi Locality.
 17. Hana Abaker Turab Mohammed School of Graduate Studies / Master of Medical Laboratory Sciences (B1) (Haematology & Immunohematology), Shendi University (2018). Research title: Determination of Fetal Hemoglobin Level in Normal Pregnant Women Referred to Dar Elber Specialized Medical Center in Khartoum City.
 18. Suhanda Mardi Hassan School of Graduate Studies / Master of Medical Laboratory Sciences (B1) (Haematology & Immunohematology), Shendi University (2018). Research title: Determination of Platelets Count and Mean Platelets Volume among Hypertensive Patients Living in Khartoum.

B. BSc.

1. Manal Badraldein Abdalraheem and Gida Mohmmed Taha. School of Pharmacy / Ahfad University for Women (B.Sc. 2019). Research title: Detection of Antimicrobial Adetives in Street Vendor Milk in Khartoum City.

Abeer Mudathir Babiker and Emtinan Kamaleldeen Basheer Abdullah. School of Pharmacy / Ahfad University for Women (B.Sc. 2019). Research title: Antimicrobial Susceptibility Profile of Escherichia Coli Isolated from Soba Hospital.

• **Research (thesis) supervision:**

A. MSc.:

1. Asmaa Hassan Bushara Basheir / Master of Pharmaceutical Biotechnology (B6), Ahfad University for Women (2019). Research title: Genetics Characterization of Multidrug Resistant Salmonella Enterica Serovar Typhi Isolate from Alyaa Hospital, Omdurman, Sudan
2. Yusraa Babiker Edris Mohammed / Master of Pharmaceutical Biotechnology (B5), Ahfad University for Women (2019). Research title: Genetics Polymorphisms of dhps gene in Plasmodium falciparum isolated from malaria infected patients in Sudan.
3. Eman Yassin Osman Ahmed / Master of Pharmaceutical Biotechnology (B5), Ahfad University for Women (2019). Research title: Genetics Polymorphisms of dhfr gene in Plasmodium falciparum isolated from malaria infected patients in Sudan.
4. Alaa Mohamed Yousif Mabrook / Master of Pharmaceutical Biotechnology (B5), Ahfad University for Women (2019). Research title: Genetics Polymorphisms of pfmdr1 gene in Plasmodium falciparum isolated from malaria infected patients in Sudan.
5. Sahar Hasan Yousif, School of Graduate Studies / Master of Pharmaceutical Biotechnology (B4), Ahfad University for Women (2018). Research title: Association of ApoL1 Gene Polymorphism with end stage renal failure among Sudanese patients in Khartoum State.
6. Rowida Babiker Eltayeb Ahmed, School of Graduate Studies / Master of Pharmaceutical Biotechnology (B4), Ahfad University for Women (2018). Research title: The impact of CYP2C9, VKORC1 and GGXX and clinical factors on warfarin dose requirements among Sudanese patients in Khartoum State.
7. Aala Elmaleeh. School of Graduate Studies / Master of Pharmaceutical Biotechnology (B4), Ahfad University for Women (2018). Research title: Genetic Assessment of Helicobacter Pylori Resistant Strain to Clarithromycin in Gastric Biopsies Isolated from Unresponsive Patient for Treatment.
8. Abeer Hassan Mohammed Elhassan. School of Graduate Studies / Master of Pharmaceutical Biotechnology (B4), Ahfad University for Women (2018). Research title: Evaluation of Lipids Profile in Positive Kala-Azar Patients Living in Visceral Leishmaniasis Endemic Area in Sudan.
9. Samira Seed Ahmed Mustafa. School of Graduate Studies / Master of Pharmaceutical Biotechnology (B4), Ahfad University for Women (2018). Research title: Frequency of MDR-1 Multidrug Resistant Gene Polymorphism in Khartoum State.
10. Ekram Abd Elgaffar Sedig Alim. School of Graduate Studies / Master of Medical Laboratory Sciences (B1) (Haematology & Immunohematology), Shendi University (2018). Research title: Evaluation of RBCs and RBCs Indices in Donors Referred to

Central Blood Bank in Dongola City in North Sudan.

11. Rania Gamal Merghani. School of Graduate Studies / Master of Medical Laboratory Sciences (B1) (Haematology & Immunohematology), Shendi University (2018). Research title: Detection of Red Blood Cells Alloimmunization in Multitransfused Chronic Renal Failure Patients on Dialysis in Northern State, Sudan.
12. Nagla Abd Alhafeez Mohamed. School of Graduate Studies / Master of Medical Laboratory Sciences (B1) (Haematology & Immunohematology), Shendi University (2018). Research title: Effects of Antiepileptic Drug (Valporic Acid) on Complete Blood Count Parameters among Sudanese Patients with Epileptic Episodes.
13. Mohamed Omer Habib Allah. School of Graduate Studies / Master of Medical Laboratory Sciences (B1) (Haematology & Immunohematology), Shendi University (2018). Research title: Complete Haemogram and Serum Ferritin in Pulmonary Tuberculosis Patients referred to El-dweim Teaching Hospital.
14. Alkhansaa Abdalmanan Omer, School of Graduate Studies / Master of Pharmaceutical Biotechnology (B5), Ahfad University for Women (2018). Research title: Evaluation of Anti-microbial Activity of Saussurea Lappa Roots Extract, Gc.Ms Analysis and In silico Analysis on Resistant Pseudomonas Aeruginosa and Staphylococcus Aureus.
15. Ranya Mohamed Guma Salih Fagir Osman School of Graduate Studies / Master of Pharmaceutical Biotechnology (B5), Ahfad University for Women (2019). Research title: Identification of genetic polymorphism of OprD Gene among Carbapenems Resistant Clinical Isolates of Pseudomonas aeruginosa (co-supervisor)

B. BSc.

1. Shoug Eltayeb Abdallah Eltayeb and Elaf Elamin Ali. School of Pharmacy / Ahfad University for Women (B.Sc. 2019). Research title: Identification of Azithromycin ermTR Resistant Gene in Streptococcus Pyogen Isolates from Sudanese patients Referred to Alyaa Hospital.
2. Malaz Hamid Mohammed Ahmed and Maria Merghani Musa Mohammed. School of Pharmacy / Ahfad University for Women (B.Sc. 2019). Research title: Effects of Sesamum Indicum Ethanolic Extract on Gram Positive and Negative Ampicillin Resistant Bacteria.
3. Doaa Aamir Mokhtar Elnour and Alaa Ahmed Mohammed Abdulhafeez. School of Pharmacy / Ahfad University for Women (B.Sc. 2018). Research title: Evaluation of Hypoglycaemic Activity of Aloe Vera (Elsabar) Alcoholic Extract in White Albion Rats.
4. Mawda Alhaj Osman Mohamed Ali. School of Pharmacy / Ahfad University for Women (B.Sc. 2018). Research title: Antibacterial Activity of Black Pepper (Piper Nigrum) Seeds on Escherichia Coli and Staphylococcus Aureus Isolate.
5. Fatima Mohamed & Hafsat Alhassan. School of Medicine. El-Razi University. (BSc. 2017) Research title: Effects of Tobacco on General Health in Tobacco User Students in El-Razi University.
6. Maryam Umar Imam & Mujahid Alsadig. School of Medicine. El-Razi University. (BSc. 2017) Research title: Evaluation of Tooth Decay in Patients attending El-Razi University Dental Clinic.
7. Ahmed Saad & Abba Auwal. School of Medicine. El-Razi University. (BSc. 2017) Research title: Medical Student Syndrome among Medical Students in El-Razi University & National University.
8. Rayan Anees Awad & Samah Alhadi Alkhider. School of Pharmacy. Ahfad University for Women (B.Sc. 2016). Research title: In vitro Anti Leishmanial Effects of Purslane Crude Extracts.
9. Monia O. Ali & Malaz O. Ali. School of Health Science. Ahfad University for Women. (B.Sc. 2015). Research title: The Effects of Portulaca oleracea Alcoholic Extract on Induced Hypercholesterolemia in Wister Albino Rats.
10. Elaf S.M. Salih & Fatima Ali H.Elsheikh. School of Pharmacy. Ahfad University for Women. (BSc. 2013). Research title: Hypoglycemic Effect of PortulacaOleracea.L (Rigla) In Alloxan-Induced Diabetic Rats.
11. Shahd A. said & Sahar A.F Eldai. School of Health Science. Ahfad University for Women. (BSc. 2013). Research title: Seroprevalence of Toxoplasmosis among Aborted Women in Omdurman New Hospital (Alsaudi Maternal Hospital).

12. Samah I.O. Mohammed & Yathreb Mohammed. School of Health Science. Ahfad University for Women. (BSc. 2013). Research title: Prevalence of Anemia among Two to Fifteen Years Old Children in Omdurman Military Hospital.
13. Eptihal A. Eliass & Malaz Mohammed. School of Health Science. Ahfad University for Women. (BSc. 2013). Research title: Prevalence of Tooth Decay in Children Referred to the Military Dental Clinic.

Note:

Referees upon request