

Sulafa Seifeldin Adam Murgan.

PhD. MLS

sulafamurgan@gmail.com

+249918700048

Profile

Medical laboratories sciences program coordinator, Assistant professor (Clinical chemistry), More than 10 years Experience as a university teaching staff, head department, clinical chemist and cancer micropeptide biomarkers researcher.

Qualifications:

March 2018 **Ph.D degree in immunology from Institute of endemic diseases, University of Khartoum, Sudan** 2018, thesis (Identification and Characterization of Urinary Micro-peptides as Potential Biomarkers for early Detection of Ovarian Cancer among Sudanese women).

2007 – 2009 **MSc of Medical laboratory Science (Clinical Chemistry)**
College of Graduate Studies, Alzaiem Alazhari university, Khartoum bahri,
Sudan

2004 – 2005 **Qualifying year for MSC**
Institute Of Endemic Diseases, University Of Khartoum

1999 – 2003 **Bachelor of Science in Medical Laboratory Science**
Specialized in **CLINICAL CHEMISTRY**
University of Science & Technology, Omdurman, Sudan

Major Achievements:

- 1 Principal investigator and leader for a project team research of developing (POCT) ovarian cancer biomarkers in Institute of endemic diseases, University of Khartoum.
- 2 Principal investigator of research project titled with Proteomics Analysis of Madurella, the main Causative Agent of Mycetoma Endemic in Sudan with Determination of Candidate Antigens for Diagnostic and Therapeutic (In Applied Bioinformatics Center, Biotechnology department, Africa City of technology, Khartoum, Sudan. The project is funded by Royal Society of Tropical Medicine And Hygiene (RSTMH).
- 3 Teaching Clinical chemistry courses for 3rd and 4th year in Elneil university (Assistant professor).
- 4 Teaching Clinical chemistry for undergraduate students in University of Sciences and Technology.
- 5 Teaching Clinical Chemistry for undergraduates in Gharb Elneil college.

Professional Experience

**June 2004 – Octob 2014 Clinical chemistry specialist
Alqods medical compound**

- **Performing all clinical chemistry tests using different companies of spectrophotometers, flame photometer, chemistry analyzer and hormone analyzer.**
- **Enrolled in QC performance for tests, reagents and instruments.**

**2004 - 2005 Clinical chemistry Specialist
Police central Hospital, Khartoum**

- Sampling patients, treatment samples by applying it on suitable anticoagulant for test.
- Performing all clinical chemistry tests.
- Reporting of Results using computerized system.

**2003 Clinical chemistry Specialist trainee
Omdurman Marital hospital**

- Sampling patients, treatment samples by applying it on suitable anticoagulant for test.
- Performing all clinical chemistry tests.

Teaching experience:

**2005 – Up to date Full time Lecturer
U.S.T, Omdurman.**

- Preparation of clinical chemistry laboratory reagents (weighting powders, manual methods kinetic and enzymatic methods).
- Conducted Tutorials & develop students follow up programs.
- Teaching basic clinical chemistry for second year students (Specimen reception, SIU, urine analysis, carbohydrates, protein and their tests).
- Teaching renal function tests, liver function tests, introduction to endocrinology and quality control for third year students.
- Teaching both theory and practical of quality assurance and quality control (for 4th year students)
- Teaching instrumentation , endocrinology, body fluids, tumor markers (for 4th year students).

**2011 – 2013 Full time Lecturer
Gharb Elneil college, Omdurman.**

- Preparation of clinical chemistry laboratory reagents (weighting powders, manual methods kinetic and enzymatic methods).
- Conducted Tutorials & develop students follow up programs.
- Teaching renal function tests, liver function tests, introduction to endocrinology and quality control for third year students.
- Teaching both theory and practical of quality assurance and quality control (for 4th year students)
 - Teaching instrumentation , endocrinology, body fluids, tumor markers (for 4th year students).

- **Assistant professor** , MLS, clinical chemistry department, Nile University **2019**
- **Assistant professor and co-coordinator** for Medical laboratory sciences program, Napata College September 2020 upto date.
- Teach online American Society of Clinical chemistry course at **Eatimad Training Institute** in UAE 2016.

Membership of Academic and professional bodies:

- Member of the Proteomics society (India)
- Member of the Bioinformatics.org (UK) (Basic).
- Member of The South African Immunology Society (SAIS).
- Member of Royal Society of Tropical Medicine And Hygiene (RSTMH).

Research experience:

Major area of interest:

1. Ovarian cancer
 2. Point of care testing (POCT) Biomarkers
 3. Proteomics and peptidomics.
 4. Immunotherapy of ovarian cancer.
 5. Polymerase Chain Reaction (PCR).
 6. Cell culture.
 7. Techniques: ELISA, SDS polyacrylamide gel Electrophoresis, Western blot for proteins, Mass spectrophotometry.
 8. Bioinformatics (protein sequencing and alignment).
 9. Diabetes researches.
- Supervision of minor researches of the students in Faculty of Medical laboratory sciences, University of Science and Technology (UST).
 - Research in Diabetes mellitus(Assessment of liver enzymes in long standing Diabetes mellitus type2 in Sudanese) partial fulfillment of Master research, Alzaiem Alazhari University.
 - Research in Ovarian cancer(Identification and characterization of urinary micropeptides as potential biomarkers for early diagnosis of ovarian cancer in Sudanese women) Complete fulfillment Ph.D research, Institute of endemic diseases, University of Khartoum.
 - Performing point care test (drum stick) for urinary protein markers as one of early diagnostic tools of ovarian cancer, molecular genotyping for BRACA1, BRACA2 and CYP17 ovarian cancer genes, investigate the potential role for oncoesvirus induced ovarian cancer and study the host's immune response against ovarian cancer. T cell populations, including NK T cells and Tregs, and cytokines have been associated with disease (project research submitted for ethics), Institute of endemic, University of Khartoum.

Publications:

- Evaluation of Plasma activities of Aspartate Transaminase, Alanine Transaminase and Alkaline Phosphatase Sudanese with long standing Type 2 Diabetes mellitus (published on GSC Biological and pharmaceutical Sciences in 17 July 2020).
- Ovarian cancer: Tumor- specific urinary micropeptides profiling as potential biomarkers for early diagnosis (Published on 29 October 2020 in peer viewed, Journal of proteomes, Volume 8(4) 32).

Abstract: <https://www.mdpi.com/2227-7382/8/4/32>

PDF Version: <https://www.mdpi.com/2227-7382/8/4/32/pdf>

- Histological types of ovarian tumors and staging in Sudan (will be published later).
- Using of Sodium Dodecyl Sulphate Polyacrylamide Gel Electrophoresis technique (SDS-PAGE) for the analysis of the urinary micropeptides (will be published later).

Conferences:

- Annual conference of Clinical pathology and immunology, Doka, Elgadarif , Professor A.M.Elhassan centre for leishmniasis, University of Khartoum 26th and 27th of December 2013.

Administrative experience:

- Head department of Clinical chemistry, Faculty of medical laboratory science, University of Science and technology.
- Examination committee Faculty of Medical Laboratory Sciences, University of Science and Technology.
- Curriculum modification committee, Faculty of Medical Laboratory Sciences, University of Sciences and Technology.
- Medical lab. Sciences program coordinator, Napata college.

Addition Training

- Attending a training course on Occupational Safety and Health Administration(OSHA).
- Attending a training course on ISO 9001:2015 Quality Management System (Awareness, Documented information, Internal Audit).
- Microscopic examination of Malaria parasite, Laboratory Administration Board, Khartoum state.
- Computer courses MS Office (Word, Access, Excel, PowerPoint).
- Participation in various field trips for community health services.

- General English courses at British council (Sudan) from intermediate to upper intermediate level.
- Participation in scientific one day workshop of introduction to proteomics at African city.
- Attending a medical education workshop in Napata college of (42 hours).
- Certification of completion a workshop titled **Quality and Accreditation in laboratory practice** at Napata college.
- Certificate of attendance the workshop entitled **principal skills of team work, leadership and communication** at Napata College.

Skills:

- Speak and write Arabic and English fluently (General training IELTS certificate with score 6.0).
- Use & application of personal computers
- Driving license

Strength:

- Smart and presentable.
- Fluent communicator with good command on written language Arabic and English.
- Highly enthusiastic, adaptable, committed and dedicated to my work.
- Social character and team builder.
- Powerful; influencer, creative and decision maker.
- Good time keeper with an ability to work with different nationalities and hardship environment.

References

- **Prof. Eltahir Awad Gasim Khalil** Director, Field and Research Stations, Institute of Endemic Diseases, University of Khartoum, Khartoum, Sudan.
E-mail: eltahirk@iend.org.
Telephone: 0183793267(work), +249912375740 (Private)
- **Prof. Ahmed Mudawi Musa**, Director of Institute of Endemic disease, Associate Professor in immunology , Department of Clinical pathology and Immunology, University of Khartoum, Sudan.
E-mail: musaam2003@yahoo.co.uk
Telephone: +249183793267 (Work), +249918043288 (Private).
- **Prof. Emad Hassan Konozy**, Director, Biotechnology Park Africa City of Technology, Khartoum, Sudan.
E-mail: ehkonozy@yahoo.com
Telephone: +249912387107 (Private).

- **Dr. Maysa Badawi Elmubasher**

Consultant cytoscreener, cytology department, Hamad hospital, Aldoha, Qatar.

E-mail: maysabadawi@gmail.com.

Telephone: +97433009758