



Sara Gamal Gubara Mohamed

DATE OF BIRTH:

18/02/1993

CONTACT

Nationality: Sudanese

Gender: Female



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ABOUT ME

Medical Laboratory Technologist & Lecturer of Medical Microbiology at the Faculty of Medical Laboratory Sciences, University of Khartoum, Sudan.

WORK EXPERIENCE

10/05/2016 - CURRENT - Khartoum, Sudan

University Lecturer- Department of Medical Microbiology

Faculty of Medical Laboratory Sciences, University of Khartoum

-Lecturer at the department of Medical Microbiology, Feb,2020.

-Teaching Assistant of Medical Microbiology, 2016-2019.

Responsibilities include:

- Preparation of practical requirements in microbiology labs such as; Culture media, Samples collection & Containers selection, Isolates, Stains preparation, Biochemical tests, Antimicrobial susceptibility tests, Serological tests, Microscopes & Instruments and SOPs implementation in labs.
- Teaching all practical sessions for graduate and undergraduate students which includes; Bacteriology, Mycology, Virology, Immunology, Molecular biology and Quality control.
- Preparation of practical examination, evaluation of the academic performance and assessment processes of students.
- Supervising the practical side of training for undergraduate students by equipping medical convoys from the Faculty of Medical Laboratory Sciences to the rural areas in Sudan to provide the necessary diagnostic materials, help in diagnosis of diseases and increase awareness of people about the method of diseases transmission, infection, prevention and control.
- Conducting research projects and teaching the applied medical research to help the undergraduate students carry out research branches in different areas of sciences with special concentration on Microbiology and related genera. I have had experienced several molecular techniques such as RFLP, PCR, Gel electrophoresis, DNA and RNA extraction (Manual and by different Kit types), immunological techniques, all Cultural and antimicrobial susceptibility testing for different organism types.
- Carrying out the administrative work in the department such as secretarial work & monitoring inventory of supplies including all requirements for initiation of laboratory work beside other duties related to the department.

Medical Microbiology | Education | mlab@uofk.edu | www.uofk.edu | Soba, Madeni Street, Khartoum, Sudan

15/10/2014 - 15/06/2015 - Khartoum, Sudan

● **Medical Laboratory Technologist**

National Measles Laboratory, National Public Health Laboratory

The reference laboratory for diagnosis of Measles, Rubella and Polio viruses infection in community of Sudan. I have mastered several techniques that used for identification of viruses infection such as:

- Receiving, labeling and processing of specimens according to established protocols and policies of the reference lab
- Performing Immunological tests: Enzyme Linked Immune-sorbent Assay (Direct & Indirect ELISA methods)
- Cell Culture technique for culturing of Polio virus
- Molecular techniques: Conventional & Real-time Polymerase Chain Reaction (PCR)
- RNA extraction methods for viruses (Manual & by kits)
- Data entering and result analysis
- Bio-sefty protocols and quality control implementation in the reference laboratories.
- Participating in safety and infection control activities
- Utilizing the laboratory information system to receive/send Laboratory specific communications

Khartoum, Sudan

15/07/2014 - 15/07/2015 - Khartoum, Sudan

● **Medical Laboratory Technologist**

National Public Health Laboratory

National Public Health Laboratory is the reference laboratory in Sudan. During this year I worked as Medical Laboratory Technologist. Duties included:

- Providing instructions to patients regarding collection of various blood & non-blood specimens for laboratory testing
- Labeling and processing specimens according to established protocols and policies of reference lab.
- Performing routine laboratory tests to investigate, diagnose and identify causative agents of infection diseases specially at the Microbiology laboratory such as; Macroscopic and microscopical examination, staining techniques, blood culture, different culture techniques, sero-diagnostic testing and antimicrobial susceptibility testing methods
- Interpretation of lab results
- following quality control procedures and SOPs standards in the clinical lab.

Khartoum, Sudan

01/03/2016 - 01/05/2016 - Khartoum, Sudan

● **Medical Laboratory Technologist**

Ibn Sena Specialized Hospital

I have practiced different techniques included:

- Samples collection (All types of patient samples)

- Routine diagnostic tests which performed in all sections of the clinical labs (Microbiology, Parasitology, Hematology and Chemical pathology)
- Blood collection for donation

Khartoum, Sudan

EDUCATION AND TRAINING

30/06/2017 - 22/10/2019 - Khartoum, Sudan

Master degree in Medical Laboratory Sciences (Medical Microbiology)

University of Khartoum, Graduate College

Master in Medical Laboratory Sciences (Medical Microbiology) by research, no details or grades are usually given. Degree was given after full discussion in the topic of research which selected and cleared by submitting a thesis.

Occupational Skills Covered:

- How to select a research topic to study
- How to conduct a research projects
- How to use different software and biomedical websites to search and analyzing data
- Biostatistics and bioinformatics
- Primer design and primer check by using software
- How to implement the research methodology to write your research draft
- Several molecular techniques includes; RFLP (Restriction Fragment Length Polymorphism), Gene Xpert methods for Tuberculosis, PCR (Polymerase Chain Reaction), Gel electrophoresis, DNA and RNA extraction (Manual and by different Kit types).
- Several microbiological and immunological techniques include Cultural and antimicrobial susceptibility testing methods.

Field(s) of study

- Medical Laboratory Sciences

Degree was given after full discussion in the study thesis | Molecular Association of NRAMP1 gene Polymorphism (INT4) with Tuberculosis among Sudanese Patients

10/08/2009 - 14/07/2014 - Khartoum, Sudan

Bachelor of Medical Laboratory Sciences (Honours) in (Microbiology) with (First Class)

University of Khartoum, Faculty of Medical Laboratory Sciences

11/02/2020 - 15/02/2020 - New Delhi, India

Workshop on Mycobacterial heterogeneity and host tissue tropism

European Molecular Biology Organization, International Center of Genetic Engineering and Biotechnol

10/12/2018 – 24/12/2018 – Yangzhou, China

- **Training program for Modern Medical Technology**

China-Africa Universities 20+20 Cooperation project, Yangzhou University

20/11/2018 – 28/11/2018 – Khartoum, Sudan

- **Basic course in Bioinformatics and Genomics**

Faculty of Medical Laboratory Sciences, University of Khartoum

01/11/2018 – 30/11/2018 – Khartoum, Sudan

- **Course in CELTA Teaching Practice program**

British Council, Sudan Teaching Center

29/07/2018 – 02/08/2018 – Khartoum, Sudan

- **Mandatory teaching staff training course on: Scientific Writing/ English Language**

Ministry of Higher Education & Scientific Research

25/03/2018 – 29/03/2018 – Khartoum, Sudan

- **Workshop on Biostatistics and Data Handling using SPSS**

Faculty of Medical Laboratory Sciences, University of Khartoum

23/01/2018 – 25/01/2018 – Khartoum, Sudan

- **Basic course on Ethics of Higher Education**

Khartoum University Center for Advanced Training, University of Khartoum

06/12/2017 – 06/12/2017 – Khartoum, Sudan

- **Symposium on Tuberculosis Diagnosis**

Faculty of Medical Laboratory Sciences, University of Medical Sciences and Technology

03/12/2017 – 19/12/2017 – Khartoum, Sudan

- **Basic course on English for Academic Purposes**

Khartoum University Center for Advanced Training, University of Khartoum

21/08/2017 – 26/08/2017 – Khartoum, Sudan

- **Basic course on Neuro Linguistic Programming (Level-1)**

Khartoum University Center for Advanced Training, University of Khartoum

01/08/2017 – 09/08/2017 – Khartoum, Sudan

- **Basic course on Basics of Scientific Research (Medical & Health Sector)**

Khartoum University Center for Advanced Training, University of Khartoum

25/07/2017 – 31/07/2017 – Khartoum, Sudan

- **Basic course on Measurement and Evaluation**

Khartoum University Center for Advanced Training, University of Khartoum

18/07/2017 – 24/07/2017 – Khartoum, Sudan

- **Basic course on Application of Instructional Technology in University Teaching**

Khartoum University Center for Advanced Training, University of Khartoum

10/07/2017 – 18/07/2017 – Khartoum, Sudan

- **Initial course on System and Method of University Teaching**

Khartoum University Center for Advanced Training, University of Khartoum

21/05/2017 – 25/05/2017 – Khartoum, Sudan

- **Basic course on SPSS**

Development Studies and Research Institute (Computer Unit), University of Khartoum

20/02/2016 – 23/02/2016 – Khartoum, Sudan

- **Educational course of CAP Accreditation Training**

Advance Training Center

01/02/2015 – 15/06/2015 – Khaartoum, Sudan

- **Examination preparation course for the American Society for Clinical Pathology International (ASCPi)**

Advance Training Center

28/05/2015 – 28/05/2015 – Khartoum, Sudan

- **Training course in the Ethics of the Medical Profession and Health**

Sudanese National Council for Medical & Health Professions

28/02/2015 – 28/02/2015 – Khartoum, Sudan

- **Symposium on Infections and Antimicrobial Resistance in Sudan**

Sudanese Association of Pathologists

24/11/2013 – 28/11/2013 – Khartoum, Sudan

- **Basic course on Molecular & Bioinformatics**

Faculty of Medical Laboratory Sciences, University of Khartoum

LANGUAGE SKILLS

MOTHER TONGUE(S): Arabic

English

Listening
B2

Reading
C2

Spoken
production
B2

Spoken
interaction
B2

Writing
C1

RECOMMENDATIONS

- Nasre Eldin Bilal – Professor of Microbiology – nasereldin2001@gmail.com – (+249) 912926963
Professor of Microbiology, University of Khartoum, Pioneer of Medical Laboratory Sciences in Sudan.
- Hassan Hussein Musa – Associate professor of Molecular Genetics and Immunology – hassanhm@uofk.edu – (+249) 906547116
PhD, Associate professor of Molecular Genetics and Immunology, Faculty of Medical Laboratory Sciences, University of Khartoum
- Hana Ahmed Mohammed Osman – Assistant Professor – hana.ahmed@uofk.edu – (+249) 912628471
PhD, Assistant Professor, department of Medical Microbiology, Faculty of Medical Laboratory Sciences, University of Khartoum.

COMMUNICATION AND INTERPERSONAL SKILLS

- **Communication and interpersonal skills**
 - Good communication skills gained through years of experiences as laboratory technologist in the clinical lab and as teaching assistant in huge educational organization which is a university with students, peers, doctors and people
 - Excellent contact skills

JOB-RELATED SKILLS

Job-related skills

- Proficient in clinical laboratory work and highly qualified with excellent theoretical background
- Expert teacher of Medical Microbiology with proficient theoretical and practical background (Written and Verbal skills)
- Expert in digital related skills (Microsoft office, Power Point, Internet user, Social Media)

UNIVERSITY AWARD

University Award

The University Award for the Best Academic Performance in the Faculty of Medical Laboratory Sciences, University of Khartoum for the academic year (2010/2011). University of Khartoum, Khartoum (Sudan).

Date: 01/06/2010-01/06/2011

University Award

The University Award for the Best Academic Performance in Faculty of Medical Laboratory Sciences, University of Khartoum for the academic year (2009/2010). University of Khartoum, Khartoum (Sudan).

Date: 08/10/2009-08/10/2010

LICENSE

15/11/2015 - CURRENT

American Board (ASCPi)

International Medical Laboratory Scientist, American Society for Clinical Pathology International (ASCPi).

26/05/2015 - CURRENT

Home Country Licence

Sudanese National Council For Medical & Health Professions licence.