

Mutassim Salih

M.Sc. MLS/Medical Microbiology Technologist

Master's degree of Medical microbiology specialization with grade Very good with over seven years of Hand on experience in the field of clinical microbiology, teaching and research, very good in English. Attended a number of workshops and courses in Molecular techniques, quality control and many other disciplines related to medical laboratory sciences. Amazingly capable of running different tests, performing internal quality control checks, verifying analyzers performance while maintaining a high level of attention to detail work collaboratively and cheerfully with co-workers and deal tactfully with patients and visitors, have an open appetite for continuous development, training and education.



Experience

03-2021 Senior Laboratory Technologist – Biosafety & Research

Present Assistant (Full-time), Infectious Diseases Team, Biomedical Research Center, Qatar University, Doha, Qatar.

10-2019 Research Assistant (Part-time), Infectious Diseases Team,

03-2021 Biomedical Research Center, Qatar University, Doha, Qatar.

Bio – Safety duties:

- Developing the safety policy and procedures (in consultation with the Laboratory Manager).
- Orientation and training of all laboratory staff in biosafety.
- Providing safety advice.
- Ensuring staff compliance with safety policies and procedures by performing regular safety Inspections, and documenting and submitting reports of inspections to the Laboratory Manager for review and actions.
- Monitoring and maintaining records in laboratories (chemicals storage and inventory).
- Investigating laboratory accidents and documenting accident reports.

Research Assistant duties:

- Performing Vero cell culture maintenance, infection and detection of CPE.
- Isolation of bacteria from wastewater.
- Preparation of several types of culture media.
- DNA extraction, agarose gel electrophoresis and PCR.
- Rose Bengal test for Brucella and ELISA.
- Hemagglutination test for virus.
- Bacterial conjugation experiment (plasmid transformation).
- Writing and stablishing SOPs.
- Performing & reporting of antimicrobial susceptibility testing.

Zebrafish duties:

- Fish feeding (fresh and dry food).
- Preparation of Artemia for feeding fresh food.
- Collecting hatched shrimps from the hatchery (fresh food).
- Monitoring fish health and water pump system.
- Maintaining embryo (collection, counting, removing dirt, shells, and dead embryos).
- Preparation of pH and conductivity solutions.

12-2018 Lecturer of Medical Microbiology (Full-time), Sharq El Nile

05-2019 College, School of Medical Laboratory Sciences, Khartoum, Sudan.

02-2018 Second Medical Laboratory Specialist (Full-time), Hassan Elfadil

03-2019 Medical Laboratory, Khartoum, Sudan.

- Isolating pathogenic bacteria and fungi from clinical specimens.
- Running different lab tests: ICT for different Viruses, immune tests, bacterial antigens and antibodies.
- Preparing several types of culture media.
- Performing and reporting antimicrobial susceptibility testing (AST)

10-2016 Teaching Assistant of Medical Microbiology (Part-time), Sharq

05-2018 El Nile College, School of Medical Laboratory Sciences, Khartoum, Sudan.

- Theory and tutorials in Microbiology.
- Practical classes for 2nd, 3rd and 4th year in Microbiology.
- Seminars, tutorials and group discussion.
- Arrangement, supervision and flow-up in service training for students in the governmental and private hospitals.



Personal Information's

Address

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Date of birth

3-08-1991

Marital status

Married



Languages

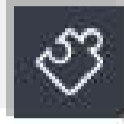
Arabic - Native

English - Very good

11-2015 **Second Medical Laboratory Specialist (Full-time), Khartoum**

11-2016 **Oncology Hospital, Khartoum, Sudan.**

- Isolating pathogenic bacteria and fungi from clinical specimens.
- Running different lab tests: ICT for different viruses, immune tests, bacterial antigens and antibodies.
- Preparing several types of culture media.
- Performing and reporting antimicrobial susceptibility testing (AST).



Practical Skills

- Quick learner of new technologies and accountable.
- Enthusiastic and collaborative.
- Confident Innovative and problem Solver.
- Competitive and great at outlook apps.



Conference, Workshop & Courses:

- 11 – 2023 Basic introduction to Biosafety (Biosafety and Biosecurity), CITI program Nov 2023.
[CITI Program Completion Certificate 59143189.](#)
- 11 – 2023 Working with the IACUC, basic course (CITI program).
[CITI Program Completion Certificate 59143187.](#)
- 11 – 2023 Precision medicine and functional genomics conference (PMFG 11 to 14 November 2023, Sidra Medicine), Awarded 27 hours.
- 03 – 2023 Qatar Diabetes and Obesity Research Webinar Series: Epidemiology of Diabetes in Primary Health Care, March 2023, MOPH.
- 03 – 2021 Animal Biosafety (CITI program).
[CITI Program Completion Certificate 41750841.](#)
- 03 – 2021 Reducing Pain and Distress in Laboratory Mice and Rats (CITI program).
[CITI Program Completion Certificate 41766371.](#)
- 03 – 2021 Working With Animals In Biomedical Research ((CITI program).
[CITI Program Completion Certificate 41750840.](#)
- 03 – 2021 Working with Fish in Research Settings (CITI program).
[CITI Program Completion Certificate 41766372.](#)
- 03 – 2021 Working With Zebrafish (Danio rerio) in Research Settings (CITI program).
[CITI Program Completion Certificate 41751240.](#)
- 08 – 2020 DS2 system (2-plate ELISA Processing system).
- 03 – 2020 COVID – Tackling the novel coronavirus, London School of Hygiene & Tropical Medicine.
- 11 – 2016 Basic molecular techniques.
- 10 - 2016 Antibiotic susceptibility by the American Society for Microbiology.
- 09 - 2016 Infection control in clinical laboratories.
- 09 - 2016 Validation of ICT for malaria.
- 09 – 2016 Overview of immunological techniques.
- 05 – 2016 Stool examination and special techniques.
- 05 – 2016 Serum protein capillary electrophoresis interpretations.
- 07 – 2021 Certificate of Appreciation in Renewal requirement of IEC/ISO 2017- 17025 standard in the Laboratories of Biomedical Research Center, The research and graduate studies sector at Qatar University.
- 11 – 2020 Training for DS2 Automated ELISA System.
- 04 – 2022 Training in hazardous waste handling & spill response, Qatar University.



Education

07-2018 Sudan international University M.Sc. in Medical Laboratory Sciences, Medical Microbiology Specialization with grade (Very good).

10-2016 Sudan University of Science & Technology, Higher diploma in Medical Laboratory Sciences (Good).

09-2015 Sharq El Niel College School of Medical Laboratory Sciences B.Sc. in Medical Laboratory Sciences with grade (Very good).



Medical licenses held

- 2016 [Sudan permanent registration](#) (License to practice certificate) issued by Sudanese National Council for Medical & Health Professions ([Second Medical Laboratory Specialist](#)).
- 2018 Certificate of Specialists Registration issued by Sudanese National Council for Medical & Health Professions ([Medical Microbiology Specialist](#)).
- 2019 PROMETRIC – Qatar Council for Healthcare Practitioners ([Medical Laboratory Technologist](#)).
- 2019 Positive Dataflow report, Dataflow case number: M004-1910-525961.

Presentations:

- ✚ Biosafety lecture for the newly joined members – [frequently](#).
- ✚ Electrically activated water: The key for mitigation of airborne pathogens including SARS-CoV-2 presenting the model in Qatar University Annual Research Forum, 20th October 2021.



Scientific publications:

- Wastewater-Based Epidemiology for Tracking Bacterial Diversity and Antibiotic Resistance in COVID-19 Isolation Hospitals in Qatar, [Wastewater-based epidemiology for tracking bacterial diversity and antibiotic resistance in COVID-19 isolation hospitals in Qatar - ScienceDirect](#).
- Prevalence of TEM and SHV Genes in Klebsiella pneumoniae isolated from different Clinical specimens in Khartoum, Sudan.
- Innovative Application for the Mitigation of Airborne Pathogens using Electrically Activated Water in Air Cooling Modified Device. ([Submitted](#))



References

Hadi M. Yassine

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Nahla Omer Ahmed Eltai

Post-Doctoral Fellow, Qatar University, Biomedical Research Center. Email: nahla.eltai@qu.edu.qa , Tel: +974 4403 7705.

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Lecturer at OIU (Assistant professor of microbiology and consultant microbiologist). Email: aealseddig@ju.edu.sa, Tel: +966539112018.

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Mahdi H.A.Abdalla

Dean of the school of medical laboratory sciences at Sharq El Nile College & Assistant professor of Heamatology.

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