

CURRICULUM VITAE



PERSONAL INFORMATION:

- **Full name:** Abdelhakam Hassan Ibrahim Ali
- **Resident:** Home 215, Block 5, Sharg El Neel, Bahri City, Khartoum, Sudan
- **Date of Birth:** 21.7.1988.
- **Nationality:** Sudanese.
- **Field of Interest:** Microbiology, Bacteriology, Virology, Mycology, Molecular biology and Antimicrobial Resistance (AMR).
- **Marital Status:** Single.
- **Mobile:** +249127751855 & +249916580766.
- **E. mails :** Aldigeal007@gmail.com Abdelhakamali@Outlook.sa

Summary

A dynamic and accomplished molecular microbiologist with extensive academic and research experience. Demonstrated expertise in studying the intricate mechanisms of microbial behavior and host-pathogen interactions. Committed to excellence in teaching, mentorship, and fostering a collaborative research environment. Proficient in utilizing advanced molecular techniques and state of the art technologies to unravel complex microbial processes. A track record of highly impactful research publications. Committed to educating and inspiring students to thrive in the field of molecular microbiology. Possess an excellent leadership abilities in guiding research projects and supervising students. Seeking a position as an associate professor at a prestigious university to contribute to groundbreaking research and develop the next generation of microbiologists.

ACADEMIC/PROFESSIONAL PARTICULARS:

Field of Specialization:

Medical Laboratory Sciences, Microbiology and Molecular biology

ACADEMIC QUALIFICATIONS:

- **PhD in Molecular Bacteriology**, Al Neelain University, Faculty of Graduate Studies, September, 2018.
- **MSc Candidate, Master of Health Profession Education**, Sudan Medical Specialization Board, July, 2021.
- **MSc in Medical Microbiology**, Sudan University of Science and Technology (SUST), April.2011-December.2012.
- **BSc in Medical Laboratory Science**, with grade (Very Good Honors), Department of Medical Microbiology, Faculty of Medical Lab. Sciences, Omdurman Islamic University 2005-2009.

MEMBERSHIPS OF PROFESSIONAL BODIES:

- **American Society for Microbiologists, 2014.**
- **University of Al-Butana senate (2018 – till now).**
- **Graduate Studies board (2020 – till now).**
- **Student’s affairs board (2019 - till now).**
- **Scientific research committee (2018 – till now).**
- **Review Board member: *International Journal of Infectious Diseases and Therapy* (e-ISSN: 2578-966X).**

LANGUAGES:

- **Arabic (Mother Tongue).**
- **English** (Excellent in Writing, Listening and Speaking).
- **French** (Intermediate in Writing, Listening and Speaking).

PERSONAL SKILLS:

- Teaching of medical laboratory sciences courses.
- Operation and general maintenance of all laboratory equipment.
- Performing of laboratory tests from collection to delivery of results.
- Full scientific knowledge of quality units in health science colleges.
- Familiar with computer software, applications and computer maintenance.
- Good team player.
- Social, adaptive, co-operative, sincere and hardworking toward academic and any other assigned academic activities.

PROFESSIONAL EXPERIENCE:

TEACHING EXPERIENCES

1- University of Al Butana

- Associate professor of Molecular Microbiology Faculty of Medical Lab.Science from the 1.Jan. 2023 till present
Courses: Basic & Advanced Molecular biology, Medical Bacteriology, Medical Mycology, Medical Virology and Immunology.
- Assistant professor of Molecular Microbiology Faculty of Medical Lab.Science from the 1.Oct. 2018 to 30/12/ 2023.
Courses: Basic & Advanced Molecular biology, Medical Bacteriology, Medical Mycology, Medical Virology and Immunology.
- Lecturer of Medical Microbiology Faculty of Medical Lab.Science since the 1/Oct/2017 to 30/9/ 2018.

2- National University Sudan

- Associate Professor of Medical Microbiology (Par time), teaches Systemic Microbiology and Selective topics in Microbiology to Master Students,

Laboratory Sciences master program.

- Assistant professor of Medical Microbiology (Par time), teaches Systemic Microbiology and Selective topics in Microbiology to Master Students, Laboratory Sciences master program.

3-University of Medical Science & Technology- UMST

- Associate Professor of Medical Microbiology (Par time), teaches Systemic Microbiology and Selective topics in Microbiology to Master Students, Laboratory Sciences master program.
- Assistant professor of Medical Microbiology (Par time), teach Systemic Microbiology and Selective topics in Microbiology to Master Students, Laboratory Sciences master program.
- Part time Lecturer of Medical Mycology for following Medical colleges (Medicine, Medical Lab. Science , Medical Dentistry and M.Sc. program for MLS) from November.2014 till present.

4- Ribat National University

- Department of Microbiology Faculty of Medical Lab.Science from the 2.Jan.2014 till 1.Nov.2019.
- Part time Lecturer of Medical Microbiology Faculty of Nutrition from 2014 till September 2017.

Duties & responsibilities:

- **Dean**, Faculty of Medical Laboratories Science, University of Al Butana, May, 2022 till present.
- **Deputy Dean**, Deanship of Student Affairs, University of Al Butana, March, 2021 till March, 2021.
- **Deputy Dean**, Faculty of Medical Laboratories Science, University of Al Butana, 14. Oct. 2019 till March, 2021.
- **Coordinator** of Medical Laboratory Sciences program, Al Hasaheisa College of Medical Sciences and Technology, 1. Oct, 2019 till 18. March. 2021.
- **Registrar** the college of Medical Laboratories Science, University of Al Butana, 1. Oct, 2017 till 13. Oct. 2019.
- **Head Department of Medical Microbiology**, Faculty of Medical Laboratory Sciences, Riyadh International College -Khartoum –Sudan, 1. Nov, 2020 till present.

SUPERVISION & NATIONAL COLLABORATION: 2016- present

Co-Supervisor on PhD Student

2019-Oct, 2021:

1. **Molecular Characterization of Multi Drug Resistant *Escherichia coli* Isolated Among Diabetes Mellitus Patients in Dongle Locality Northing State, Sudan.**

Supervisor for the following Titles (Master Students) (54):

2023:

- 1- Isolation and Molecular Identification of *Citrobacter Freundii* and *Enterobacter Cloacae* From Meat-Based Fast Food in Khartoum State.
- 2- Detection of mcr- 1 gene of Colistin Resistance of *Klebsiella Pneumoniae* isolate in Khartoum State, Sudan
- 3- Isolation and Molecular Identification of *Escherichia coli* from Meat Based Fast Food in Khartoum State.
- 4- Isolation and Molecular Identification of *Listeria monocytogenes* from Meat Based Fast Food in Khartoum State.
- 5- Isolation and Molecular Identification of *Salmonella Spp* from Meat-Based Fast food by Using Multiplex PCR in Khartoum State, Sudan
- 6- Isolation and Molecular Identification of *Proteus mirabilis* and *Proteus vulgaris* From Meat Based Fast Food in Khartoum State.
- 7- Molecular detection of *mcr2* and *mcr3* genes of colistin Resistance in *Klebsiella pneumoniae* isolate in Khartoum State, Sudan
- 8- Antibiotic resistance, and enterotoxin production of *Staphylococcus aureus* isolated From Meat Based Fast Food in Khartoum State
- 9- Molecular detection of mcr 4 and mcr 5 genes of colistin resistance of *Klebsiella pneumoniae* isolate in Khartoum State, Sudan
- 10- Prevalence, Knowledge, Attitude and Practice toward Needle Stick Injury among Health Care Workers at Khartoum state, Sudan, 2023.
- 11- Prevalence of Common Bacterial Contamination in Equipments and Air in Operating Theaters in Tertiary Hospital, Khartoum State.
- 12- Association between *Helicobacter pylori* and Diabetes Mellitus among Sudanese patients attending Jabir Abu Eliz diabetic center, Khartoum state, 2022
- 13- Prevalence of catheter-associated Urinary tract infection (CAUTI) in intensive care unit (ICU) patients at Khartoum state.
- 14- Prevalence, Knowledge, Attitude and Practice toward Needle Stick Injury among Health Care Workers at Khartoum state, Sudan, 2023.
- 15- Detection of Bacterial contamination of Equipment's and surfaces of Neonatal Intensive Care Unit (NICU) in Dream Specialized Hospital.
- 16- The role of nursing staff at Tertiary Hospital in Dealing with Emergencies, Epidemic and Disaster, Khartoum state, 2022.

2022:

- 17- Serodetection of Rift Valley virus IgM antibody among febrile patient in Kosti city.
- 18- Molecular Detection of Epstein - Barr virus in Patients with Diabetes Mellitus Using RT-PCR in Khartoum State Hospitals.
- 19- Molecular Detection of herpes simplex virus among diabetes mellitus patient- Khartoum-Sudan (2022).
- 20- Molecular Detection of mecA and mrsA/B Genes in Clindamycin Resistance *Staphylococcus aureus* in Clinical Isolates from different hospitals in Khartoum State.
- 21- Molecular detection of ermA and ermC clindamycin resistance genes in staphylococcus aureus from clinical isolates in khartoum state.
- 22- Molecular Detection of aac (3), aac (6) and ant (2) Genes in Aminoglycoside Resistance *Staphylococcus aureus* From Clinical Isolates in Khartoum State.
- 23- Molecular Detection of aph_3 and armA Genes in Aminoglycoside Resistance *Staphylococcus aureus* in Clinical Isolates from different hospitals in Khartoum State.
- 24- Sero-detection of Chlamydia Trachomatis IgG Antibody in the Serum of Infertile Patients Admitted to Hawwa Center for Fertility and in Vetro Fertilization (IVF) in Khartoum State.

2021:

- 25- Phenotypic Detection and Typing of Metallo- Carbapenemase Producing *E. coli* and *K. pneumoniae* From Clinical Samples, Khartoum state, Sudan,
- 26- Association of Antibiotic Resistance and Resistance of skin Disinfectants among Clinically Isolated Bacterial Pathogens.
- 27- Distribution of SHV Gene in Gram Negative Bacteria Isolated from ICU and Surgical Operating Room, Khartoum-Sudan.
- 28- Antimicrobial susceptibility pattern of aerobic bacteria Isolate from diabetic patients with foot ulcers in Khartoum Hospital.
- 29- Isolation of *legionella pneumophila* from air conditioner and water sources in selected hospitals in Khartoum city.
- 30- Molecular Characterization of Multidrug Resistant *Acinetobacter baumannii* from Clinical Isolates in Khartoum City, Sudan.
- 31- Detection of Fungal contamination of ward furnishings and medical equipment used in the Intensive care unit AND Neonatal intensive care unit at Alrige Teaching hospital.
- 32- Carriage Rate and Antimicrobial Susceptibility of *Staphylococcus aureus* among Healthcare Workers.
- 33- Detection of Methicillin-resistant *Staphylococcus aureus* Nasal Carrier among health care workers at Alragi Hospital.

- 34- Antimicrobial susceptibility pattern of aerobic bacteria isolated from urine of hospitalized children with urinary tract infection.
- 35- Multidrug-Resistant *Pseudomonas aeruginosa* isolated from clinical specimens using Kirby-Bauer Disk Diffusion Susceptibility Test-2021.
- 36- Isolation and antimicrobial sensitivity of Bacteria isolated from health care workers cell phones in Hospitals at Khartoum locality.
- 37- Detection of virulence associated genes (*rmpA2* and *ybtA*) of Hypervirulent *Klebsiella pneumoniae* clinical isolates in Khartoum state.
- 38- Detection of Extended Spectrum Beta-Lactamase Resistant Gene (TEM) among Environment Gram Negative Bacteria Isolates.
- 39- Detection of Extended Spectrum Beta-Lactamase CTXM Gene in Gram Negative Bacteria Environmental Isolates.

2020:

- 40- Responsiveness of Rotavirus Vaccine (Rotarix GSK Biologicals, Rixensart) among children in Mohamed Al Amin Hammed Pardiatic Hospital from October to November 2019.
- 41- Evaluation of Microbial load in locally of Some Non-Sterile Manufactured pharmaceutical Preparation.
- 42- Molecular Detection of virulence genes (*rmpA2* , *iuc* & *iroB*) of hyper virulent *Klebsiella pneumoniae* in clinical Isolates at Khartoum State, Sudan.
- 43- Assesment of the Infection Control Knowledge among Health Care Workers in Universal Isolation Centers for Covid-19
- 44- Sero-prevelance of West Nile Virus among Febrile Patient with Negative Malaria at Zalengi Hospital.
- 45- Comparasion between Antigen and Antibody in Detection of *Helicobacter Pylori* in Sawdiri, North Kordofan State.
- 46- Isolation of Contaminated Bacteria from Eye Lenses Solution in Khartoum State.
- 47- Sero-prevelance of Dengue Virus in Febrile Patient with Negative Malaria in New Halfa.
- 48- The Sterility Quality of Bottled Water of Many Factories in Khartoum State.
- 49- Impact Compliance of Infection Control Measures on Knowledge and Attitude of HCWs Regarding Nosocomial Infection in Bahri Hospital in Khartoum State at Sudan.
- 50- Molecular Detection of Resistance Genes (*bla_{DIM}*, *bla_{SIM}*, *bla_{VIM}* and *bla_{SPM}*) of *Klebsiella Pneumoniae* from Clinical Specimens in Khartoum State.
- 51- Molecular Detection of High Resistance Genes (*bla_{NDM}*, *bla_{AIM}*, *bla_{GIM}* and *bla_{IMP}*) of *Klebsiella pneumoniae* from Clinical Specimens in Khartoum State.

2019:

52- Prevalence of Hospital Acquired Pneumonia in Intensive Care Units in Khartoum State.

53- Phenotypic and Genotypic detection of colistin resistance gene *mcr-1* in Gram-negative Rods Isolated from Hospitalized Patients in Khartoum State.

2018:

54- Prevalence of Hepatitis C virus among Patients with Rheumatoid Arthritis in Khartoum State- Sudan.

Supervisor on Bachelor Students:

2017:

1. Isolation and Identification of *Non-albicans Candida* in Urine of Diabetic Patients at Bahre State (Six Students).

2016:

2. Isolation of the Pathogenic Bacteria from Banknotes and Coins in Khartoum. Sudan. (Six Students).

NATIONAL COLLABORATIONS (External & Internal Examiner):

External Examiner:

2022:

- External Examiner of Bachelor Students of medical laboratory Sciences, University of Medical Sciences & Technology, Faculty of Medical Laboratory Sciences (24 Students).
- External Examiner of Master Students of medical laboratory Sciences, Gezira University, Faculty of Medical Laboratory Sciences (three Students).
- External Examiner of Bachelor Students of medical laboratory Sciences, University of El Imam El Mahdi, Faculty of Medical Laboratory Sciences (30 Students).

2021:

- External Examiner of Master Students of medical laboratory Sciences, Gezira University, Faculty of Medical Laboratory Sciences (three Students).

2020:

- External Examiner of Master Students of medical laboratory Sciences, Gezira University, Faculty of Medical Laboratory Sciences (Four Students).
- External Examiner of Bachelor Students of medical laboratory Sciences, University of El Imam El Mahdi, Faculty of Medical Laboratory Sciences (24 Students).

TRAINING & COURSES:

INTERNATIONAL TRAINING:

- 1- **SIR-LANKA:** ICGEB Workshop “**Genomic Approaches in Understanding Vector-Borne Parasites**” 22 – 24 March 2023, Peradeniya, Sri Lanka

- 2- **INDIA:** Training course: “Principles and Practice of epidemiology, Public health surveillance, outbreak investigation and Response” at ICMR- National Institute of Epidemiology (NIE), Chennai during 18-22 November, 2019.
- 3- **CHINA:** Training program for “Modern Medical Technology”, from 15 to 24 of December 2018, Yangzhou University, Yangzhou, Jiangsu province, P. R. CHINA.

LOCAL TRAINING

2021:

- Advance training on the Molecular Testing of SARS-COV-2, The Blue Nile National Institute for Communicable Disease (BNNICD)- University of Gezira, (During the period 4-8 April 2021)

2018:

- University of Al Butana Training and Capacity Building Center
I attended Comprehensive training in:
 - 1-Scientific Writing (12 hr) from 24 to 25 Sep/ 2018.
 - 2-The Basic Training Course in Development Professional Competencies for Tertiary Teachers (56 hr) from 4 to 13 March 2018.
 - 3-Practice of Quality Assurance in Higher Education Institutions (12 hr) from 19 to 21 Feb/ 2018.
 - 4-Management of Research Teams (18 hr) from 26 to 28 Feb/ 2018.

2014:

- University of Khartoum, Development Studies and Research Institute: General English Language (Advance Level) from 24/6/2014 up to 21/9/2014.
- University of Khartoum Center for Advanced Training
I attended the initial course in:
 - 1-Systems and Methods of University Teaching (32 hr) from 15 to 22 September/ 2014.
 - 2-Measurement and Evaluation (24 hr) from 26/Aug to 1 Sept/ 2018.
 - 3-Application of Instructional Technology in University Teaching (24 hr) from 19 to 25 Aug / 2014.
 - 4-Basic of Scientific Research (Medical & Health Sector) (32 hr)
From 2 to 10 September/ 2014.

2013:

- Pasgianos Food & Beverage Company: Quality Control Department from 20/4/2013 up to 23/5/2013

PUBLISHED PAPER IN PEER-REVIEWED JOURNALS (22 Papers)

2023:

1. Nadar Bashir Moalim, **Abdelhakam H. Ali**, Eslam G. Elsheikh, Dalal B. Ali, Ahmed A. Adam (2023) Association between Helicobacter pylori and Diabetes Mellitus. *Journal of Drug Delivery & Therapeutics*. 2023; 13(11):102-106, *doi*: <http://dx.doi.org/10.22270/jddt.v13i11.6008>.
2. Elsheikh EG, Abuzied MA, Moalim NB, **Ali AH**, Detection of Fungal Contamination of Ward Furnishing and Medical Equipment Used in intensive Care Unit and Neonatal Intensive Care Unit, *Journal of Drug Delivery and Therapeutics*. 2023; 13(3):47-50 DOI: <http://dx.doi.org/10.22270/jddt.v13i3.5958>
3. Taha OMA, **Ali AHI**, Alsalamah SAA, Alghonaim MIA, Almuahini AMZ, Ibrahim NA, et al. Molecular Detection of Some High Resistance Genes Metallo B-Lactams of Klebsiella Pneumoniae using Multiplex PCR. *Entomol Appl Sci Lett*. 2022;9(3):18-24. <https://doi.org/10.51847/Ef36v0dx8n>

2022:

4. Susan Ali Zroog , Yassin HM Nor- Aldaiem , Mohamed AM Gebralla and **Abdelhakam H. Ali** (2022) Common side effects of Johnson and Johnson COVID-19 vaccine in Ruffaa city, Gezira, Sudan January (2022) *International Journal of Scientific Research Updates*, 04(01), 155–162
DOI: <https://doi.org/10.53430/ijrsru.2022.4.1.0109>
5. **Abdelhakam H. Ali**, Abdulwahab A. Fadil M. , Susan Ali Zroog and Babbiker Mohammed Taher Gorish (2022). Isolation of Contaminating Bacteria from Aqueous Solution of Contact Eye Lenses. *International Journal of Pathogen Research* 10(3): 23-28
DOI: [10.9734/IJPR/2022/v10i330251](https://doi.org/10.9734/IJPR/2022/v10i330251)
6. Khansaa Abdel Monem Mohammed , Sara Abdalla Ali Elhag , Sara Tag Elser Sed Ahmed a, Babbiker Mohammed Taher Gorish , Salma Osman Noorelhuda Mohammed , Waha Ismail Yahia Abdelmula , Yosria Mohammed Elsiddig Mohammed Nour, Susan Ali Zroog and **Abdelhakam H. Ali** (2022). Molecular Detection of Virulence genes (rmpA2, iuc & iroB) of Hypervirulent Klebsiella pneumoniae in Clinical Isolates from Patients in Khartoum State, Sudan, *Asian Journal of Research in Infectious Diseases*, 9(4): 23-31.
DOI: [10.9734/AJRID/2022/v9i430275](https://doi.org/10.9734/AJRID/2022/v9i430275)
7. Hadeel AM.NR, Hagir O.G, **Abdelhakam H. Ali**, Mosab Nouraldein Mohammed Hamad (2022). Identification of Candida Species among Renal Transplanted Recipient, In Khartoum, Sudan 2021. *SAR J Pathol Microbial*, 3(2), 10-14.
DOI: [10.36346/sarjpm.2022.v03i02.001](https://doi.org/10.36346/sarjpm.2022.v03i02.001)
8. **Abdelhakam H. Ali**, Huzafia Abdallah Khalid Saad, Mossab Balla Abdallah Abdalrahem, Mosab Nouraldein Mohammed Hamad (2022). Seroprevalence of Rotavirus among Selected Group of Sudanese Children. *SAR J Pathol Microbial*, 3(1), 1-4.

9. Ghaida EL-Makki Ali El-Makki , **Abdelhakam H. Ali**, Babbiker Mohammed Taher Gorish and Lemya Abdelgadier Kaddam (2021), Detection of NDM and OXA-48 Resistant Genes in *Acinetobacter baumannii* Isolated from Intensive Care Units' Patients Clinical Samples In Khartoum Stat, *South Asian Journal of Research in Microbiology* 11(4): 19-26, 2021; Article no.SAJRM.84386 ISSN: 2582-1989. **DOI: 10.9734/SAJRM/2021/v11i430258**
10. Susan Ali Zroog, **Abdelhakam H. Ali**, Ashraf Musa, Musab Elnegoumi, Mogadam Bahar, Lyla M Ali, Mozan Osman Hassan, Ryehana B Goota, Awadia Ahmedi, Asaad Tageldein Idris Abdelhalim, Mohamed elfateh Eljack, Ahmed Sulieman, Mushal Allam, Opinion of Sudanese Health Care workers regarding preparedness of their institutions (2021). *Sudanese Online Research Journal*, Volume (2) Issue (4) November 1, 202.
11. Amani Mohammed Ali Ahmed, Malaz Masaad Elsheikh Elkaki, Alsadig Kamal Elemam Albadri, **Abdelhakam H. Ali**. (2021) Prevalence of Hospital Acquired Pneumonia in Intensive Care Units in Khartoum State (From April 2019 to September 2019). *Journal of Clinical & Biomedical Research*. SRC/JCBR-133
12. Husham M T A, Samia S M I, **Abdelhakam H. Ali**. (2021). Prevalence, Antimicrobial Susceptibility Pattern and Associated Factors of Urinary Tract Infections Among Diabetic Patients at Dongla State, Sudan. *Adv Biotech & Micro*. 2021; 16(1): 555930. **DOI: 10.19080/AIBM.2021.16.555930 0012**
13. **Abdelhakam H. Ali**, Algawhara Tagalsir Abdalrahman, Ashwag Mohammed Ahmed, Duaa Haj Ali Hajhamed, Maali Bilal Ahmed Abdalrazig, Mawada Hassan Fadllalah Mohammed, Mosab Nouraldein Mohammed Hamad, Mogadam Bahar, (2020), Isolation of the Pathogenic Bacteria from Banknotes and Coins in Khartoum City Pre-COVID-19 Era, Sudan, *Saudi J Biomed Res*, **DOI: 10.36348/sjbr.2020.v05i12.004**
14. Awadia A. Ahmeidi, Ashraf Musa, Hend S. Ahmed, Adel A. Elahmar, Ryhana B. Goota, Ibtihal A. Ahmed, **Abdelhakam H. Ali**, Mushal Allam, Mozan O. Hassan, (2020)., Inflammatory markers as predictors of mortality in COVID-19 infection, *Afr J Lab Med*. a1298. <https://DOI.org/10.4102/ajlm.v9i1.1298>
15. Mozan Osman Hassan , Asma Ahmed Osman, Hana Elsir AbdElbasit, Hanan Elsamani Hassan, HalaRufai, Maria M.M.Satti, MusabElnegoumi, RoaaIdris, AshrafMusa, **Abdelhakam H. Ali**, Susan Ali Zroog, AmnaKhairy, Mushal Allami, Asaad Tageldein Idris Abdelhalim,(2020) Convalescent Plasma as a Treatment Modality for Coronavirus Disease 2019 in Sudan, *Transfusion and Apheresis Science*.
16. Areej Zakaria, Mawada Rhmtallah, Zeinab Mohammed Abdo, MF Ismail, **Abdelhakam H. Ali**, Mosab Nouraldein Mohammed Hamad, (2020)., Molecular Detection of Colistin Resistance Gene *mcr-1* in Gram-negative Rods Isolated from Hospitalized Patients in Khartoum State., *Saudi Journal of Biomedical Research*.

DOI: 10.36348/sjpm.2020.v05i08.005

17. Husham M Taha Aloob, Samia S Mohamed Ismail, **Abdelhakam H Ali.**, (2020), Molecular Characterization of Multi Drug Resistance *Escherichia coli* isolated among Diabetes Mellitus Patients in Dongla State, Sudan,. *American Journal of Biomedical Science & Research*. DOI: 10.34297/AJBSR.2020.09.001424.
18. Waseem Sameer Kwami, Shamsoun Khamis Kafi, Mahdi Hassan Mahmoud, **Abdul Hakam Hassan Aldigeal**, Mosab Nouraldein Mohammed Hamad., (2020), Molecular Characterization of Human Rotavirus Strains Circulating Among Children Less Than 5 Years Attended With Diarrhea to Mohammed Alamin Hamid Pediatric Hospital, Khartoum., Sudan,. *Saudi Journal of Biomedical Research*.

DOI: 10.36348/sjbr.2020.v05i06.005

19. **Abdelhakam H I. Ali** and Al Fadhil A Omer, Molecular Characterization of Carbapenemase-Producing *Klebsiella pneumoniae* Dominance of oxa-48, kpc, vim and ndm Producers in Khartoum, Sudan (2018). *Journal of Clinical Review & Case Reports*. ISSN: 2573-9565.
20. **Abdelhakam H. Ibrahim** and Al Fadhil A. Omer. Phenotypic Detection of Carbapenemase-producing *K. pneumoniae* isolated from Patients attending Hospital Settings in Khartoum. *African Journal of Medical Sciences*, 2018, 3 (2) [ajmsc.info](http://www.ajmsc.info)

http://www.ajmsc.info/images/Vol3/2/Abdelhakam_Article_.pdf

21. **Abdelhakam, H.** and khaled, A. (2015). Detection of extended spectrum Beta lactamase in *K.pneumoniae* isolated from Khartoum state, Sudan. *World Journal for Pharmaceutical Research* Volume 4, Issue 03, 131-140.
22. Eltaib M., **Abdelhakam, H.** and khaled, A. (2015). Frequency of *Moraxilla caterrhalis* from patients with Lower Respiratory Tract Infection in Khartoum state, Sudan. *World Journal for Pharmaceutical Research*, Volume 4, Issue 05, 2286-2293.

https://wjpr.net/admin/assets/article_issue/1425127725.pdf

Discovered New Strains of *Klebsiella pneumoniae* on GenBank (NCBI):

- *Klebsiella pneumoniae* strain **Hakam1** beta-lactamase NDM (*bla*NDM) gene, partial cds ([MF197908.1](#)).
- *Klebsiella pneumoniae* strain **Hakam2** metallo-beta-lactamase VIM (*bla*VIM) gene, partial cds ([MF197909.1](#)).
- *Klebsiella pneumoniae* strain **Hakam3** carbapenemase OXA-48 (*bla*OXA-48) gene, partial cds ([MF197910.1](#)).

- *Klebsiella pneumoniae* strain [Hakam4](#) carbapenemase OXA-48 (*bla*OXA-48) gene, partial cds ([MF197911.1](#)).

CONFERENCES:

2018:

- I attended the First **International Conference on Microbiology & Applications**, from 23 to 24 April / 2018. International University of Africa, Faculty of Pure and Applied Sciences.

2017:

- I attended the first Conference: **Important of DNA/RNA Sequences and bioinformatics tools in developing Medical Microbiology Fields**, on 25 March / 2017. Omdurman Islamic University, Faculty of Medical Lab. Science.
- International Conference in **Infection Control and Clinical Microbiology**, September 25-26, 2017 Chicago, USA *Journal of Immunological Techniques & Infectious Diseases*, Volume 6, and Issue 3 | ISSN: 2329-9541(participated with video presentation).

WORKSHOPS:

2018:

- Jordan University of Science and Technology and University of California San Diego- USA: **Research Ethics**, 8/8/2018. Awarded by Responsible Conduct of Research program.

2017:

- I attended American Society for Microbiology Symposium on **Tuberculosis Diagnosis**, on 6 Dec / 2017.

2016:

- I attended a virtual workshop of American Society for Microbiology on **Antibiotics Susceptibility** on 19 Nov/ 2016.
- I attended a workshop: **Seven Quality Tools Application In Medical Laboratories** with Alroia Alsaba for Management Training And Human Resources Development, on 24 to 25 Dec/ 2016.

2015:

- I attended Training v workshop of: **PhD Research Proposal Writing** which was done by Deutscher Akademischer Austausch Dienst German Academic Exchange Service (**DAAD**) & DAAD Alumni Association Sudan 19 to 20 Aug / 2015.

2014:

- I attended a workshop: **Evaluation in Quality and Excellence** with Alroia Alsaba for Management Training and Human Resources Development. On 10 to 14 Aug / 2014.

BIOINFORMATICS:

- Three months course (13/ Aug — 14/ Nov 2019) about **Introduction to Bioinformatics** offered by Pan African Bioinformatics network for H3ABioNet IBT course. [h.ps://www.h3abionet.org/training/ibt](https://www.h3abionet.org/training/ibt)

Applications: Extensive working knowledge in analysis of metagenomics and mass spectrometry/proteomics data using R/Bioconductor, Perl and Linux shell scripting.

Design and usage of biological databases.

Statistics: Good understanding of biostatistical methodology and tools.

Technical experience in R, Python, or Perl, command-line UNIX/Linux, SQL

Experience working with genomics data (i.e. GWAS, Aneuploidy, Mutation profiling, CNV, SNP)

Familiarity with data visualization software (i.e. R/Shiny, Tableau)

REFERENCES:

Professor: Hisham Nour aldayem Altayeb. Department of Biochemistry, College of Science, King Abdulaziz University,

E. mail: hdemmahom@kau.edu.sa . Tel: +966549087515.

Dr. Mudathir Abdelshafea Abdelkareem Abakar, Assistant professor of Medical Microbiology and Immunology, Alzaiem Alazhari University, mudashafae@yahoo.com

Tel: +249919774484.

Dr. Nadir Musa Khalil Abuzeid, Associate Professor and Consultant of Medical Microbiology and Microbiology, first consultant Swedish Institute Alumni, Department of Medical Microbiology, Faculty of Medical Laboratory Science, Omdurman Islamic University. Tel :- +249121072496/+249999670888 Fax :- 00249-183-786085

E. mail: nadirabuzeid@gmail.com, nadirabuzeid@oui.edu.sd.

I certify that all the stated information is true and valid.