

FEDERAL UNIVERSITY OF HEALTH SCIENCES, ILA-ORANGUN, NIGERIA
CURRICULUM VITAE

A. PERSONAL DATA

1. **Full Name:** BALE Issa Muritala
2. **Contact Details:**
 - (a) **Residential Address:** No 5, Maito Omolabi Close Okefoma Ita Amoh Ilorin, Nigeria
 - (b) **E-mail Address (es):** muritala.bale@fuhsi.edu.ng; muribaale@gmail.com
 - (c) **Mobile Telephone Number(s):** 08035442428; 08050910230
3. **Nationality:** Nigerian
4. **State of Origin:** Kwara
5. **Local Government Area:** Asa
6. **Permanent Home Address:** Bale Ballah Compound Isale Aluko Ilorin, Kwara State
7. **Marital Status:** Married
8. **Number of Children and their Ages:** 5 (11years, 7years, 5years, 2years, 4months)
9. **Contact Details of Next of Kin:** Bale Ballah Compound Isale Aluko Ilorin, Kwara State
 - (a) **Residential Address:** Bale Ballah Compound Isale Aluko Ilorin, Kwara State
 - (b) **E-mail Address (es):** anikenafisat@gmail.com
 - (c) **Mobile Telephone Number(s):** 07069129918
10. **Rank/Status on First Appointment:** Lecturer I
11. **Present Status:** Lecturer I
12. **Present Salary Grade Level and Step:** CONNUAS 4 step 2
13. **Date of Last Promotion/Regrading:** None
14. **Faculty/Directorate:** Science
15. **Department/Unit:** Microbiology

B. EDUCATIONAL BACKGROUND

1. **Higher Educational Institutions Attended with Dates:**
 - (i) Kwara State University Malete 2017-2021
 - (ii) Kwara State University Malete 2014-2016
 - (iii) Al-Hikmah University Ilorin 2010-2012
2. **Academic/ Professional Qualifications and Distinctions Obtained with Dates:**
 - (i) Doctor of Philosophy PhD in Microbiology (with Specialization in Medical, Pharmaceutical and Public Health Microbiology) 2022

- (ii) Master of Science in Microbiology (Medical Microbiology) 2017
- (iii) Bachelor of Science in Microbiology 2012

3. Other Distinctions and Awards with Dates:

(a) Scholarships:

- (i) Federal Government Scholarship for Outstanding Undergraduate Student 2002

(b) Fellowships:

- (i) Post-Doctoral Fellowship at the University of Rwanda 2022

(c) Research Grants:

Pfizer Quality Improvement Grant RFP – Accord for a Healthier World: Antimicrobial Resistance Testing & Stewardship to Improve Hospitalized Patients’ Health Outcome – Pfizer Global Health Inc. (USA) – Project Number: 89814477. Topic – Capacity Building on Implementation of Antimicrobial Stewardship (AMS) Program and AMR Surveillance at University Teaching Hospital Butare (CHUB), Rwanda

- (d) **National Awards:** None

- (e) **International Awards:** None

C. WORK EXPERIENCE WITH DATES:

1. Previous Work Experience outside the University System:

- (i) Kwara State Universal Basic Board 2013-2019
- (ii) College of Education Ilorin 2012-2013

2. Previous Work Experience in Other Universities:

- i.** Level Adviser; Kwara State University Malete 2019-2023
- ii.** Nigeria's first Staff Adviser of the American Society of Microbiology (Student Chapter) 2022-2024
- iii.** Research Leader of the infectious disease unit under the domain of molecular basis of disease of Future of Medicine, Science, Technology and Innovation Group (FoMSTIG) University of Rwanda Kigali 2023
- iv.** Infectious Diseases Research Leader, Department of Microbiology and Parasitology,, School of Medicine and Pharmacy University of Rwanda Kigali 2022-2023
- v.** Vaccinology domain Researcher: University of Rwanda Kigali 2022-2023

4. Work Experience in FUHSI:

- (i) Departmental Research Leader, Department of Microbiology 2023-2024
- (ii) Chairman Departmental SIWES, Project and Seminar Committee 2024- Date

5. Graduate Student Supervision:

(a) **By Research:** A total number of six (6) Master students have been supervised

1. Habeeb Salman Isiaka Diversity and Antibiotic susceptibility of bacteria from urine samples of catheterized patients at the University of Ilorin Teaching Hospital
2. Rahman Ajoke Badmus Prevalence of asymptomatic significant bacteriuria and antibiotic susceptibility pattern of bacterial isolates in HIV-infected patients attending the University of Ilorin Teaching Hospital Ilorin, Nigeria.
3. Seibu Ezekiel Ocheiza Co-infection of pulmonary tuberculosis and aspergillosis among patients attending a tertiary hospital in Ilorin, Nigeria
4. Kolawole Jesuseun Opeyemi Antimicrobial effect of selected plants on microorganisms isolated from wound samples
5. Rashidat Baba Antimicrobial susceptibility of urinary bacterial isolates of pregnant women attending antenatal clinics of selected hospitals in Ilorin, Nigeria.
6. Bello Emmanuel Tomisin Antibacterial effect of synthesized nanoparticles on selected multidrug-resistant bacteria

(b) **By Long Essay:** Nil

6. Undergraduate Students Supervision; A total number of 63 students have been supervised
 1. Omotosho, Abass Olawale Prevalence and Antibigram of *Staphylococcus aureus* bacteriuria amongst patients attending Ajikobi Hospital, Ilorin.
 2. Adebisi muhammed Adekunle Prevalence and antibiogram of *E. coli*-associated bacteriuria amongst patients attending Ajikobi hospital, Ilorin
 3. Amao Idayat Prevalence and antibiogram of *Pseudomonas aeruginosa* associated bacteriuria amongst patients attending Primary Health Care, Ilorin Nigeria
 4. Christiana Motunrayo Oke Antimicrobial effect of *Ocimum gratissimum* and *Phylathus amarus* on selected microorganisms
 5. Ayokanmi Joseph Aremu Isolation and Identification of microorganisms associated with locally fermented locust beans
 6. Idowu, Yemi Deborah Isolation of microorganisms from outdoor air at General Auditorium, Kwara State University, Malete, Nigeria
 7. Maridiyah Opeyemi Abdullateef Vegetable as a potential source of the transmission of helminths.
 8. Akande, Olaitan Lukmon helminths associated with raw vegetable
 9. Zubair Ridwan Taiye Bacteriological assessment of ready- to eat food (moi moi) sold in Malete, Nigeria

10. Ibrahim, Rasheedat Tope Fermentation profile of “masa” and “banbara nut”
11. Aishat Ashabi Jimoh Fungal infestation of bakery products (bread) sold in Malete, Nigeria
12. Ganiyat Adedamola Fasasi fungi contamination of powdered milk and soya bean flour sold in Malete Market, Nigeria
13. Khadijah Oluwakemi Mogaji Microorganisms associated with spoilage of tomato sold in selected market in Moro, Kwara State
14. Ajetunmobi, Rofiat Gbemileke microorganisms associated with the spoilage of yam (*Dioscorea sp.*) and sweet potatoes (*Ipomoea batatas* L.) sold in Malete, Nigeria
15. Achema, Micheal Antimicrobial effects of twigs from neem plant and selected toothpaste on selected bacterial isolates
16. Mueez Abdulrahman Dapo isolation and identification of air microorganisms in Kwasu Malete
17. Nnaemeka Clive Reuben 17d/57mb/802 effect of carbonic acid on *Escherichia coli* in carbonated soft drink
18. Shuaib Zainab Abike Isolation and Identification of microorganisms in vegetables sold in selected markets in Ilorin, Nigeria
19. Ilebiyi Toluwase Olamide bacteriological assessment of sachet water sold in Malete, Nigeria
20. Fadeke Folorunsho Isolation and characterization of microorganisms isolated from sausage rolls sold in Malete, Nigeria
21. Adu Omolabake Antimicrobial effect of *Ocimum gratissimum* on selected clinical isolates
22. Mercy Abimbola Oyinloye Nasal carriage of *S. aureus* among primary school children in Malete, Nigeria
23. Ayodamola Precious Awe Antibiogram of *Pseudomonas aeruginosa* isolated from Environmental samples of a secondary health center in Ilorin
24. Mariam Oyinlola Yusuph Antibiotics susceptibility profile of bacteria isolated from environmental samples of selected hospitals in Ilorin Nigeria
25. Faosiyat Motunrayo Jayeola Characterization of *S aureus* isolated from clinical samples obtained from Ajikobi Cottage Hospital Ilorin, Nigeria.
26. Damilola Itunuoluwa Awonusi Characterization of *Klebsiella pneumonia* Isolated from clinical samples
27. Paul Temitope Kezia Characterization of *S. aureus* isolated from nasal and vaginal samples of selected tertiary institution students
28. Sade Deborah Adebisi Sensitivity profile of *s aureus* isolated from Akerebiata abattoir Ilorin
29. Oyegbile Ponmile Ayomide Antibiotics susceptibility profile of *E coli* isolated from Urine of patients attending a primary health center in Ilorin Nigeria

30. Odudele Abidemi Grace Antibiotics susceptibility profile of *Pseudomonas aeruginosa* isolated from Urine of patients attending a primary health center in Ilorin Nigeria
31. Oluwalegan Elizabeth Oluwapelumi Characterization of ESBL producing *E coli* from urine samples of patients attending Ajikobi Cottage Hospital
32. Asiyanni Sodiq Samuel Prevalence of candidiasis among female patients attending the University of Ilorin Teaching Hospital
33. Abosedo Tobiloba Morakinyo Antibiogram of *S. aureus* isolated from nostrils KWASU students
34. Olaboye Modupe Abigeal Antibiogram of *Pseudomonas aeruginosa* isolated from vaginal of female students of Selected Secondary Schools
35. Iyanuoluwa Boluwatife Adedeji Antibiogram of Staphylococcus aureus isolated from vaginal of female students
36. Elizabeth Adeshewa Ishola Antibiogram of CNS isolated from vaginal of Kwasu Female Students
37. Timileyin Faith Owolabi Characterization of MRSA isolated from cloaca and stool samples of poultry birds in selected farms in Moro, Nigeria.
38. Nurudeen Adigun Characterization of *E coli* isolated from urine samples from patients attending selected primary health center in Ilorin, Nigeria
39. Rebecca Ajoke Alayemi Characterization of *S. aureus* isolated from nasal samples of selected secondary school students in Malete, Nigeria
40. Israel Adeshina Ayodeji Characterization of *S. aureus* from HIV Patients attending University of Ilorin Teaching Hospital.
41. Soliu Abdullateef Kehinde Characterization of *S. aureus* isolated from vaginal samples of selected attending Lautech teaching hospital
42. Adetunji Fathiah Adejumoke Characterization of *Klebsiella Pneumonia* isolated from vaginal samples of Kwasu female students
43. Abdulwahab Rukayat Omotosho Characterization of *Klebsiella Pneumonia* isolated from vaginal samples of Lautech female students
44. Sodiq Fatiah Oyindamola Isolation and Characterization of *S. aureus* from the human skin microbiome of selected students
45. Ekokotu Oghenerukevwe Moyinoluwalogo Isolation and Characterization of diverse microbial representative from the human skin microbiome of selected KWASU student.
46. Hawau Abdulhameed Isolation and characterization of diverse microbial armpit of selected KWASU students.

47. Sadeek Naomi Ohunene Isolation and characterization of diverse microbial representatives from the human skin microbiome of selected students
48. Sulaiman Rufai Ishowo Characterization of bacteria isolated from vaginal samples of KWASU.
49. Adebayo Titilayo Grace Characterization of bacteria isolated from vaginal samples of pregnant women attending LAUTECH Teaching Hospital Ogbomoso
50. Omitokun Olamide Esther Characterization of bacteria isolated from vaginal samples of pregnant women attending LAUTECH Teaching Hospital Ogbomoso
51. Khadijat Ibrahim Characterization of bacteria isolated from vaginal samples of pregnant women attending Lautech Teaching Hospital
52. Owolabi Janet Titilope Characterization of bacteria isolated from vaginal samples of pregnant women attending LAUTECH Teaching Hospital Ogbomoso
53. Ishola Fauzeeyah Oyindamola Characterization of bacteria isolated from vaginal samples of KWASU.
54. Rukayya Zakariyya Characterization of bacteria isolated from vaginal samples of KWASU.
55. Lawal Olamide Islamiyah Characterization of lactobacillus spp isolated from vaginal samples of KWASU female students
56. Abidoye Taiwo Bisola Characterization of bacteria isolated from vaginal samples of KWASU.
57. Aliyu Mubarakah Gbagba Antibiogram and Characterization of Bacillus spp isolated from campus shuttle and nasal samples of drivers in Malete, Nigeria
58. Oloyede Faridat Bisola Antibiogram and characterization of *S. aureus* isolated from campus shuttle and nasal samples of drivers in Malete, Nigeria.
59. Ishola Fauzeeyah Oyindamola Antibiogram and characterization of *E. coli* isolated from campus shuttle and nasal samples of drivers in Malete, Nigeria.
60. Adedeji Roheema Isolation and characterization of diverse microbial representatives from the human skin microbiome of selected KWASU students.
61. Saliu Maryam Ajoke Characterization of Salmonella isolated from foods sold in Ilorin, Nigeria
62. Malik Mardiyah Characterization and antibiotic susceptibility profile of Bacteria isolated from selected poultry products sold in Ilorin
63. Adebayo Taiwo Opeyemi Characterization and antibiotic susceptibility profile of Bacteria isolated from selected foods sold in Ilorin, Nigeria

D. MEMBERSHIP OF PROFESSIONAL BODIES WITH DATES:

(i) American Society for Microbiology

(ii) Nigeria Society for Microbiology

E. PUBLICATIONS:

1. Theses/Dissertations:

- i. Molecular characterization of methicillin-resistant *Staphylococcus aureus* (MRSA) isolated from blood samples of patients attending selected hospitals in Ilorin Nigeria
- ii. Molecular characterization of methicillin-resistant *Staphylococcus aureus* (MRSA) isolated from Apparently Healthy individuals in Malete Nigeria
- iii. Antibacterial activities of selected antiseptics against selected bacteria

2. Books and Monographs:

(a) **Authored:** Nil

(b) **Edited:** Nil

3. Contribution to Books:

(i) Abdulmumeen A H, **Muritala I B** and Nina Naquiah Ahmad Nizar (2018): Preparation and processing of religious and cultural foods (Chapter on Hormones) *Woodhead Publishing (Elsevier Book Series) 253-277*

4. Published Journal Articles:

- (i) Sinumvayo, J. P., Munezero, P. C., Tope, A. T., Adeyemo, R. O., **Bale, M. I.**, Mutsaka-Makuvaza, M. J., ... & Adedeji, A. A. (2024). Vaccination and vaccine-preventable diseases in Africa. *Scientific African*, e02199.
- (ii) Omotosho A. O. and **Bale M. I.** (2023) Prevalence and Antibiotic Susceptibility Pattern of *Staphylococcus aureus* from Urine of Patients Attending Ajikobi Hospital, Ilorin, North Central, Nigeria GET Journal of Biosecurity and One Health (2023), 2(2), 1-8. DOI:10.36108/GJOB0H/3202.20.0210
- (iii) **Bale, M. I.**, Sinumvayo, J. P., Badmus, R. A., Babatunde, S. K., Aroyehun, A. B., & Adeyemo, R. O. (2023). Prevalence of asymptomatic significant bacteriuria and antibiotic susceptibility pattern of bacterial isolates in HIV-infected patients in Ilorin, Nigeria. *African Journal of Clinical and Experimental Microbiology*, 24(4), 373-381.
- (iv) Maniga, J. N., Adeyemo, R. O., John, O., Martin, O., Sankarapandian, V., Kemunto, M. J., Muchiri, N. J., Albert, O., Onkoba, S. J., Uwineza, A., Rugamba, A., Kantarama, E., Daba, T. M., Sinumvayo, J. P., Adegboyega T. T., **Bale, M. I.**, Akinola S. A., and Adebayo, I. A. (2023) Impact of Intervention Practices on Recurrence of Parasitemia among Artemether-Lumefantrine (Al) Treated Patients in Bushenyi District, Uganda *J. of Biomed. & Clin. Sci.*, 8(1), 67-80

- (v) Hamid, A. A., Shehu, A., **Bale, M. I.**, Idris, U., Issa, S. B., Zubair, M. F., ... & Olaniyi, O. B. (2023). Gas Chromatography-Mass Spectrometric analysis and antioxidant property of leaf extracts of *Chamaecrista rotundifolia*. *Journal of Phytomedicine and Therapeutics*, 22(1), 1101-1115.
- (vi) Baba, R. T., Adedayo, M. R., Awe, S., and **Bale, M. I.** (2023). Antimicrobial susceptibility of Urinary bacterial isolates of pregnant women attending antenatal clinics of selected hospitals in Ilorin, Nigeria. *African Journal of Clinical and Experimental Microbiology*, 24(1), 102-109.
- (vii) **Bale, M. I.**, Babatunde, S. K., and Awe, S. (2021). Prevalence of Methicillin Resistant *Staphylococcus aureus* Bacteriuria among Pregnant Women Attending Secondary Health Hospitals in Ilorin, Nigeria. *Journal of Advances in Microbiology*, 21(9)50-57.
- (viii) **Bale, M. I.**, Babatunde, S. K., and Awe, S. (2021). Co-infection of Methicillin Resistant *Staphylococcus aureus* bacteremia and Malaria in Children attending Cottage Hospital Ogidi Ilorin Kwara State. Nigeria *Saudi Journal of Pathology and Microbiology* 6 (9), 306-310
- (ix) **Bale, M. I.**, Babatunde, S. K., Awe, S. (2021). Prevalence of Methicillin resistant *Staphylococcus aureus* Among Multiparous Pregnant Women at Cottage Hospital Ajikobi Ilorin Kwara State Nigeria *JABU Journal of Science and Technology* 5 (3), 84-94
- (x) **Bale M I**, Babatunde S K Adedayo M R, Ajiboye A E and Ajao A T.(2019) Phenotypic and Molecular Characterisation of Methicillin resistant *Staphylococcus aureus* from Apparently Healthy Individuals in Malete rural Community *African Journal of Clinical and Experimental Microbiology* 20(1)17-24
- (xi) Shehu, A., Issa, S. B., Lawal, A. Z., Egharevba, G. O., **Bale, M. I.**, Ojo, J. B., Salami, L. B., Taiwo, L. O., Yusuf, S. A., Adeyemo, J., Bello, O. and Hamid, A. A (2021) Chemical constituents, antibacterial, antifungal and antioxidant activities from the leaf extracts of *Drynaria aurentii* *Journal of Phytomedicine and Therapeutics* 20 (2) 690– 701
- (xii) Oguntoye, S. O., Hamid, A. A.; Jimoh, A., Abdulrauf, A. T., **Bale, M. I.** and Lawal, A. Z. (2019) Chemical constituents from the leaf extracts of *Scleria depressa* and its antioxidant and anti-inflammatory activity. *Ilorin Journal of Science* 5 (1) 24-35
- (xiii) **Bale, M. I.** Kolawole D. O., Babatunde S. K., Adedayo M R, Ajiboye, A. E. and Ajao, A. T. (2018) Characterisation of Methicillin-resistant *Staphylococcus aureus* in Commercial layers and its attendants in North Central Nigeria *FUTA Journal of research in Science* 14(1) 112-120
- (xiv) Hamid, A. A., Zubair, M. F., Olajide, F. O., Ibrahim, S. O., Shehu, A., **Bale, M. I.**, Muhammed, S.O., Aina, S. D, and Jimoh, A.(2018) Chemical compositions from the leaf

extracts of *Funtumia africana* (Benth.) Stapf with its antioxidant and anti-inflammatory activity. *Nigerian Journal of Chemical Research* 23, (2)

5. Edited Conference Proceedings:

(a) Refereed:

(i) International Ankara Multidisciplinary Studies Congress held online and in-person

Venue: Ankara, Türkiye

Date: 13th -14th October, 2023

Paper presented: Role of Probiotics and Prebiotics in Health Care

ii. 11th International Istanbul Scientific Research Congress

Venue: Istanbul, Turkey

Date: 15th -17th October, 2022

Paper Presented;

a. Antibigram of *Staphylococcus aureus* isolated from the nostrils of tertiary institution students in Nigeria.

b. asymptomatic bacteriuria and ESBL-producing *E. coli* among antenatal pregnant women in North Central Nigeria;

c. Characterization of *Staphylococcus aureus* isolated from chicken in selected farms in Moro, Nigeria

d. Prevalence and Antimicrobial Susceptibility Pattern of asymptomatic bacteriuria in HIV-positive patients in Ilorin, Nigeria

iii. International Congress on Natural Sciences

Venue: Ege University Izmir, Turkey

Date: 2nd -4th September, 2022

Paper Presented: Diversity and Antibiotic susceptibility of bacteria isolated from urine samples of catheterized patients at the University of Ilorin Teaching Hospital Ilorin, Kwara State

(b) Non-Refereed:

Nil

6. Articles Accepted for Publication:

Nil

7. Manuscripts Submitted for Publication:

Nil

8. Creative Works/Patents:

Nil

9. Technical Reports:

Nil

10. Papers and Works in Progress:

Nil

Vaccines and vaccine-preventable diseases

G. CONFERENCES, SEMINARS, AND WORKSHOPS ATTENDED WITH DATES:

- i. First Post-Doctoral Workshop on Accelerating Vaccine Development in Africa
Venue: Kigali, Rwanda
Date: 15th -17th March, 2023
- ii. A Workshop on Winning International Grants
Venue: Al-Hikmah University Ilorin Nigeria
Date 17th August 2020
- iii. A Workshop on Strategies for Winning International Grants
Venue: Al-Hikmah University Ilorin Nigeria
Date 7th October, 2020
- iv. A Workshop on Pedadogy
Venue: Al-Hikmah University Ilorin Nigeria
Date 11th to 12th November, 2020
- v. 43rd Conference of Nigeria Society for Microbiology
Venue: Crawford University Igbesa, Nigeria
Date 3rd to 6th September 2019
- vi. A workshop on The Prop of Molecular Research, Primer designs & Operations in Blasted Sequence by the Institute of Molecular Science and Biotechnology University of Ilorin
Venue: University of Ilorin Ilorin, Nigeria
Date: 10th April, 2019

H. CURRENT RESEARCH ACTIVITIES:

- (i) Characterization of Bacteria isolated from selected Primary health centers in Ilorin, Nigeria
- (ii) Characterization of multi-drug resistant bacteria from selected rivers in Ilorin, Nigeria
- (iii) Vaccines and vaccine-preventable diseases

I. OTHER RELEVANT INFORMATION:

1. Services within the Department:

- | | |
|---|------------|
| (i) Chairman SIWES, Project and Seminar Committee | 2024- Date |
| (ii) Chairman Research Committee | 2023-2024 |

2. Services within the Faculty:

Nil

3. Services within the University:

Nil

4. Services outside the University: Founder Health Environment and Vulnerable Support Initiative (A non-governmental organization)

References

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Prof. Sunday Awe
Department of Microbiology
Kwara State University Malete, Nigeria
s.awe@kwasu.edu.ng

Signature:

Date: