

**Dr. MUHAMMAD ALI**

**ADDRESS:** Department of Microbiology, Federal University Gusau

**PHONE:** (+234) 7032967252; **EMAIL:** [alimuhd4real@gmail.com](mailto:alimuhd4real@gmail.com)

**ResearchGate:** <http://www.researchgate.net/profile/Muhammad-Ali-441>

**Google Scholars:** <http://scholars.google.com/citation?user=yiwgpHAAAAAJ&hl=en>

**LinkedIn:** <https://linkedin.com/in/dr-muhammad-ali-57a42014a>

**Orcid:** <https://orcid.org/0000-0001-9215-2826>

**Web of Science Researcher ID:** ID-A-7696-2018

**AREA OF SPECIALIZATION:** Medical/Pharmaceutical Microbiology

**PERSONAL DATA**

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|---------------------|--|
| 1. Name:            | <b>Muhammad Ali</b>  |
| 2. Date of Birth:   | 14/09/1978   |
| 3. State of Origin: | Kano   |
| 4. Marital Status:  | Married  |
| 5. Sex:             | Male   |
| 6. Nationality:     | Nigerian   |
| 7. Present Address: | No. 2579 Rimin-Kebe, Ungogo L.G.A. Kano, Kano State Nigeria.                 |
| 8. Postal Address   | Department of Microbiology, Federal University Gusau, Zamfara State Nigeria. |
| 9. Mobile Numbers:  | 07032967252  |
| 10. Email Address:  | <a href="mailto:alimuhd4real@gmail.com">alimuhd4real@gmail.com</a>           |

**RESEARCH INTERESTS**

1. Infectious Diseases
2. Antimicrobial Resistance (AMR)
3. Clinical Microbiology
4. Antimicrobial Susceptibility Testing
5. Public Health Microbiology

## **EDUCATIONAL INSTITUTIONS ATTENDED WITH DATES**

1. Aliko Dangote University of Science and Technology, Wudil (2020-2026)
2. Aliko Dangote University of Science and Technology, Wudil (2013- 2017)
3. ISP Computer Institute, Kano (2006)
4. Federal college of Education, Kano (2005-2006)
5. Bayero University, Kano (1997- 2002)
6. Kano State College of Art and Science and Remedial Studies (1996)
7. Science Secondary School Dawakin Kudu (1991- 1994)
8. Tudun -Murtala Special Primary School, Kano (1983-1998)

## **QUALIFICATIONS OBTAINED WITH DATES**

1. Ph. D. Medical/Pharmaceutical Microbiology (2026)
2. MSc. Medical/Pharmaceutical Microbiology (2017)
3. Post graduate Diploma in Information Technology (2006)
4. Post graduate Diploma in Education (2006)
5. B.Sc. Applied Biology, Bayero University, Kano. (2002)
6. Interim Joint Admission and Matriculation Board Examination (1996)
7. West African Examination Council Certificate (1994)
8. Primary School Leaving Certification (1988)

## **WORK EXPERIENCE**

1. Senior Lecturer (2026 - Date): Department of Microbiology, Federal University, Gusau, Zamfara State, Nigeria.
2. Lecturer I (2022 - 2025): Department of Microbiology, Federal University, Gusau, Zamfara State, Nigeria.
3. Lecturer II (2019 - 2022): Department of Microbiology, Federal University, Gusau, Zamfara State, Nigeria.
4. Assistant Lecturer (2018 - 2019): Department of Microbiology, Federal University, Gusau, Zamfara State, Nigeria.
5. Part-time Lecturer, (2016 - Date): Department of Pharmaceutical Technology, School of Technology, Kano State Polytechnics, Kano State

6. Master II (2012 - 2018): Biology Unit, School of Basic and Remedial Studies, Ahmadu Bello University, Funtua Katsina State Nigeria
7. Education officer (2004 - 2012): Kano State Secondary School Management Board, Ministry of Education Kano State, Nigeria

## PUBLICATIONS

1. Abdullahi A. Minjibir, Lurwan Mu'azu, Tinuoye, O.O., Muhammad Ali. (2020). Prevalence of Schistosomiasis among Primary Pupils in Dawakin-Kudu Local Government Area Kano State, Nigeria. *ARC Journal of Urology*. 2020; 5(1):15-20. DOI: <https://doi.org/10.20431/2456-060X.0501004>.
2. **Ali, M.**, and Yahaya, A. (2016). Antibacterial Activity and Phytochemical Screening of *Carica papaya* on *Staphylococcus aureus* Recovered from Patients with Urinary Tract Infections. *International journal of Applied Research and Technology* 5(11): 34-39
3. **Ali, M.**, Aminu, F. and Ibrahim, I.S. (2017). In-Vitro Assessment of Antibacterial Activity and Phytochemical Screening of *Vitex doniana* on Clinical Isolate of *Salmonella typhi*. *International Journal of Advanced Academic Research | Sciences, Technology & Engineering*. Vol. 3, Issue 1: 09 – 16
4. **Ali, M.**, Zage, A. U., Muhammad, A. A. and Sani, M. (2017). Pelvic Inflammatory Diseases: A Review. *International Journal of Applied Research and Technology*. 6(1): 27 – 31.
5. **Ali, M.**, Yahaya, A., Zage, A. U. and Yusuf, Z. M. (2017). *In-vitro* Antibacterial Activity and Phytochemical Screening of *Psidium guajava* on Some Enteric Bacterial Isolates of Public Health Importance. *Journal of Advances in Medical and Pharmaceutical Sciences* 12(3): 1-7. DOI: 10.9734/JAMPS/2017/31126
6. Ibrahim, I.S., **Ali, M.** and Zage, A.U. (2016). Phytochemistry of Methanolic and Aqueous Extracts of *Eucalyptus Camaldunensis* Leaves, Seeds and Stem Bark. *International Journal of Advanced Academic Research | Sciences, Technology & Engineering*. Vol. 2, Issue 12: 75 – 80
7. Aminu, F. and **Ali, M.** (2017). Isolation and Identification of Microorganisms Associated with Spoilage of Cabbage (*Brassica Oleracea*) in Sabon-Gari Market Kano Nigeria.

8. Yahaya A., **Ali M.** and Idris A. (2017). Antibacterial Activity and Phytochemical Screening of *Carica papaya* on some Enteric Bacterial Isolates of Public Health Importance. *Greener Journal of Biological Sciences*. Vol. 7 (1), pp. 001-007. DOI: <http://doi.org/10.15580/GJBS.2017.1.122916224>
9. Diso, S.U., **Ali, M.**, Mukhtar, S. I. and Garba M. (2017). Antibacterial Activity and Phytochemical Screening of *Mangifera indica* (Mango) Stem and Leaf Extracts on Clinical Isolates of Methicillin Resistant *Staphylococcus aureus*. *Journal of Advances in Medical and Pharmaceutical Sciences*. 13(1): 1-6. DOI: 10.9734/JAMPS/2017/31127
10. **Ali, M.**, Diso, S. U., Zage, A. U., Muhammad, A. A. and Garba, M. (2017). Characterization and Determination of Antimicrobial Sensitivity Pattern of *Staphylococcus aureus* Associated with Urinary Tract Infection. *Journal of Advances in Biology & Biotechnology*. 12(4): 1-6. DOI: 10.9734/JABB/2017/31125
11. Aminu, F., Agbo, E. B., Yahaya, M. S. and **Ali, M.** (2017). Assessment of Micro-organisms Associated with Spoilage of Watermelon (*Citrillus lanatus*) in Kano, Nigeria. *International Journal of Applied Research and Technology*. 6(2): 55 – 61
12. Shehu, M., Ahmed, I., Yahaya, S. M. and **Ali, M.** (2017). Antibacterial activity of *Carica papaya* leaf extracts and *Mangifera indica* stem bark extracts against stool isolates of *Salmonella typhi*. *International Journal of Applied Research and Technology*. 6(7): 45 – 51
13. Nas, F. S., Yahaya, A. and **Ali, M.** (2017). Prevalence of Malaria with respect to age, gender and socio-economic status of fever related patients in Kano city Nigeria. *Greener journal of epidemiology and public health*, 5(5): 044-049, <http://doi.org/10.15580/GJEPH.2017.5.091017126>
14. Asiya, A. and **Ali, M.** (2017). Biological control of water pollution at Challawa Industrial Area Kumbotso Local Government Area using *Moringa oleifera* seed extract. *Greener Journal of Biological Science*. 7(6): 063-068, <http://doi.org/10.15580/GJBS.2017.7.120517176>
15. Nas, F. S., **Ali, M.** and Yahaya, A. (2017). Identification of some enteric bacteria from diarrhea stool sample of patients attending Murtala Muhammad Specialist Hospital Kano,

Nigeria. *International Journal of Advanced Academic Research / Sciences, Technology & Engineering*. Vol. 3 (9) 1 - 9

16. Nas, F. S. and **Ali, M.** (2017). Antibacterial activity of *Boswellia dalzielii* leaves extracts against some pathogenic bacteria isolates. *Journal of Advance in Microbiology*. 7(1): 1- 8
17. Nas, F. S. and **Ali, M.** (2017). Phytochemical screening and Antibacterial activity of *Azadirachta indica* stem bark and leaves extracts against *Escherichia coli* and *Staphylococcus aureus* isolated from spoiled watermelon. *Journal of Pharmaceutical and Allied Sciences*. Vol. 14 (4) 2616 – 2624
18. Nas, F. S. and **Ali, M.** (2017). Efficacy of Honey Extracts against some Bacterial Isolates from Infected Wound. *Journal of Pharmaceutical and Allied Sciences*. Vol. 14 (4) 2625 – 2631
19. Diso, S. U., Ali, M. and Ja'afar, S. (2017). Prospect and Challenges on Ebola Virus Vaccine Development: A Review: Proceedings of the 3rd YUMSCIC Nov., 2017 Pp 205-210
20. Nas, F. S. and **Ali, M.** (2017). *In Vitro* Antimicrobial Activity of *Dodonaea viscosa* Leaves Extracts on Some Microbes Isolated from Spoiled Watermelon Proceedings of the 3rd YUMSCIC Nov., 2017 238-242
21. **Ali, M.**, Diso, S. U., Minjibir, A. A., Sani, J. S., Nas, F. S. and Yahaya, A. (2017). Assessments of Medicinal Plants Used in Treatment of Various Ailments in Kano City, Nigeria *Asian Journal of Biotechnology and Bio-resource Technology* 2(4): 1-11. DOI: 10.9734/AJB2T/2017/38844
22. **Ali, M.** Yahaya, A., Nas, F. S., Anas, A. and Ibrahim, I. S. (2017). Trends in Treatment and Vaccine Development of Typhoid Fever: A Review *Asian Journal of Biotechnology and Bioresource Technology* 2(4): 1-7. DOI: 10.9734/AJB2T/2017/38835
23. Minjibir, A. A. and **Ali, M.** (2018). Determination of the location of Uracil-DNA Glycosylase (UDG) Protein in Lungs Cancer Cells. *Asian Oncology Research Journal* a. 1(1): 1-6, DOI: 10.9734/AO RJ/2018/3883
24. **Ali, M.**, Nas, F. S., Yahaya, A. and Ibrahim, I. S. (2018). Phytochemical Screening of Some Spices Used as Condiment in Kano, North Western Nigeria. *Pharm Res*, 2(1): 000150.
25. **Ali, M.**, Nas, F. S., Yahaya, A. and Ibrahim, S. I. (2018). Characterization and Determination of Antibiotic Sensitivity Pattern of Bacteria from Infected wound. *Annals of Microbiology and Infectious Diseases* Volume 1, Issue 1, PP 39-44

26. **Ali, M.**, Nas, F. S., Yahaya, A., Minjibir, A. A. and Ibrahim, S. I. (2018) Antibacterial Activity of Gallic (*Allium sativum*) Extracts on Food Borne Pathogens. *Annals of Microbiology and Infectious Diseases* Volume 1, Issue 1, PP 45-51
27. **Ali, M.**, Nas, F. S., Yahaya, A. and Ibrahim, I. S. (2018) Efficacy of Clove (*Syzygium aromaticum*) Extracts on Food Borne Pathogens. *Bioequiv & Bioavailab Int J.* 2(1): 000123.
28. Abdullahi, M. A. and **Ali, M.** (2018). Determination of Sensitivity Pattern of DNA Repair Genes to Anticancer Drugs. *Mod Appl Pharm Pharmacol.* 1(3). MAPP.000519
29. **Ali, M.** and Nas, F. S. (2018). Epidemiology, Biology, Clinical Manifestation and Prevention of Influenza Virus Disease: A Review. *Virol Immunol J*, 2(4): 000155.
30. Farouk S Nas, **Muhammad Ali**, Abdullahi Yahaya (2018). Population Dynamics of Mosquito Larvae at Various Breeding Sites in Kano Metropolis, Nigeria Research & Reviews: Research Journal of Biology 6 (2): 36 - 40
31. **Ali, M.** and Nas, F. S. (2018). Lower back pain; its causes and physical therapy: a review. *MOJ Yoga Physical Ther.* 3(2):29–32. DOI: 10.15406/mojypt.2018.03.00040
32. Auwal U, Olanitola S, Lawan F D, **Muhammad A.** (2018). Antibacterial Activity of Fractionated Extracts of *Carica papaya* Leaves and Stem Bark against Clinical Isolates of Methicillin Resistant *Staphylococcus aureus* (MRSA). *Mod Appl Pharm Pharmacol.* 1(5). MAPP.000525. 2018.
33. Nas F. S., **Ali M.**, Yahaya A. and Kabiru A.G. (2018). Retrospective Study on Incidence of Measles in Kumbotso Kano, Northern Nigeria. *Virol Immunol J* 2018, 2(6): 000170.
34. Nas F. S. and **Ali M.** (2018). Characterization of Fungal Species in Three Different Locations of Bayero University, Kano. *Biological and Environmental Sciences Journal for the Tropics* 15(1) Pp1-5
35. Farouk S Nas, T I Oyeyi, Abdullahi Yahaya and **Muhammad Ali** (2018) “Genetic and Molecular Basis for *Plasmodium falciparum* Resistant to Antimalarial Drugs: A Review”. *Chronicles Of Pharmaceutical Science* 2.4 (2018): 606-613.
36. Nas, F. S, Zage, A. U. and **Ali, M.** (2018) Phytochemical Screening and Antibacterial Activity of *Garcinia kola* Seed Extracts Against Pathogenic Methicillin Resistant *Staphylococcus Aureus*. *Bayero Journal of Pure and Applied Sciences*, 10(2): 198 – 203 <http://dx.doi.org/10.4314/bajopas.v10i2.33>

37. Nas, F. S, **Ali, M** and Yahaya A. (2018) Malaria And Typhoid Fever Co-infection Kumbotso Local Government Area Kano, Nigeria. *Bayero Journal of Pure and Applied Sciences*, 10(2): 122 – 125 <http://dx.doi.org/10.4314/bajopas.v10i2.21>
38. Umar A, Nas FS and **Ali M** (2018). Antibacterial Efficacy of *Carica papaya* Leaves and Stem Bark Extracts on Clinical Isolates of Methicillin Resistant *Staphylococcus aureus* (MRSA). *Bioequiv & Bioavailab Int J* 2018, 2(2): 000126.
39. Nas, F. S., Yahaya, A., Zage, A. U., Garba K. A. and **Ali M.** (2018)“Characterization and Evaluation of Antibiotic Susceptibility Pattern of Clinical Isolates of Methicillin Resistant *Staphylococcus aureus* at Some Tertiary Hospital in Kano, Nigeria ”, *International Journal of Research studies in Microbiology and Biotechnology*, vol. 4, no. 2, p. 38-44, 2018. <http://dx.doi.org/10.20431/2454-9428.0402004>
40. **Ali, M.**, Farouk, S. N., Abdullahi, A. M. and Musa, A. A. D. (2018) Isolation and Evaluation of Antibiotic Resistivity Pattern of Faecal Coliforms Bacteria Isolated from River Wudil Kano, Nigeria. *Advancements Bioequiv Availab.* 1(2). ABB.000509.2018
41. Farouk S. N., **Muhammad A.**, Aminu M. A. (2018) Application of Nanomaterials as Antimicrobial Agents: A Review. *Arch Nano Op Acc J* 1(3)- 2018. ANOAJ.MS.ID.0001
42. Nas FS, **Ali M**, Ahmad AM (2018). In Vitro Antibacterial Activity of Different Extracts of *Zingiber Officinale* against Bacterial Isolates Responsible for Food Spoilage.
43. Nasiru A S, Farouk S N, Sani U D and **Muhammad A.** Antibiotic Sensitivity Pattern of Bacteria Isolated from Semen of Male Patients with Infertility Attending Murtala Muhammad Specialist Hospital Kano, Nigeria. *Advancements Bioequiv Availab.* 1(4). ABB.000519.2018.
44. Farouk Nas S, Musa Diso AA, Idris IS, **Muhammad Ali.** Determination of Antibiotic Susceptibility Pattern of Clinical Isolates of *Salmonella typhi* and *Escherichia coli*. *Ann Rev Resear.* 2018; 2(5): 555596.
45. Nasir AS, Agbo EB, Sani MY and **Ali M.** Assessment of microbiological quality of semen of male patients with infertility at Murtala Muhammad specialist hospital Kano, Nigeria. *MOJ Bioequiv Availab.* 2018; 5(3):170–174. DOI: 10.15406/mojbb.2018.05.00098
46. **Ali M**, Shinkafi SA and Nas FS (2018) Antibacterial Efficacy of Black Pepper (*Piper nigrum*) Seeds Extracts on Some Food Borne Pathogens. *Inte Jr PharmcoScie An Chem: IJPSC*-105

47. Nas FS, Oyeyi TI, **Ali M.** Antibacterial efficacy and phytochemical screening of *Senna siamea* leaves extracts on some pathogenic bacteria. *J Microbiol Exp.* 2018;6(3):159–163. DOI: 10.15406/jmen.2018.06.00208
48. Nas FS and **Ali M.** The effect of lead on plants in terms of growing and biochemical parameters: a review. *MOJ Eco Environ Sci.* 2018;3(4):265–268. DOI:10.15406/mojes.2018.03.00098
49. Zage A.U., Ahmad, I., Fagwalawa, L.D and **Ali M.** (2018) In Vitro Antibacterial Activity and Phytochemical Screening of *Garcinia kola* extracts against Methicillin Resistant *Staphylococcus aureus* (MRSA). (2018) *J Pharm Pharmaceutics* 5(1): 13- 18
50. EL Hassan F, Umar S, Yahaya A and **Ali M.** Microbial Quality Assessment of Processed Meat Product (Tsire) Sold Within Wudil Town, Wudil Local Government Area Kano State, Nigeria. *Mod Appl Pharm Pharmacol.* 2(2). MAPP. 000535. 2018. DOI: 10.31031/MAPP.2018.02.000535
51. Zage A.U, Waiya S.A, **Ali M,** Garba M, Muhammad A.A. Prevalence of Hepatitis B Virus among Patients Diagnosed with Liver Cirrhosis Disease in Kano, Northern Nigeria. *ARC Journal of Immunology and Vaccines.* 2018; 3(1): 24-30
52. Yahaya, A., Nas, F.S., **Ali, M.** and El-Hassan F. I “*Plasmodium falciparum* Malaria among Pregnant Women Attending Ante - Natal Clinic, Federal Medical Center, Birnin Kudu, Jigawa State, Nigeria”. *Chronicles of Pharmaceutical Science* 3.1 (2018): 751-758.
53. Farouk S N, Yahaya A, and **Muhammad A.** Application of Liposomes Nanoparticles in the Treatment of Malaria: A Mini Review. *J Biotech Biores.* 1(2). JBB.000510.2018
54. Diso, S.U, Mukhtar, M.D, Dutsin-Ma, U.A and **Muhammad Ali** (2018). "Genetic and Molecular Mechanisms Associated with Antibiotic Resistance in Methicillin Resistant *Staphylococcus aureus* (MRSA): A Review", *Annals of Microbiology and Infectious Diseases*, 1(3), pp.23-31.
55. Diso SU, Nasir AS and **Ali M.** Mycobacterium tuberculosis Resistance Mechanisms to Bactericidal Activity of Phagocytes: A Review. *Archives of Immunology and Allergy.* 2018; 1(2): 1-9.
56. Gambo SB, **Ali M,** Diso SU and Abubakar NS. Antibacterial Activity of Honey against *Staphylococcus aureus* and *Pseudomonas aeruginosa* Isolated from Infected Wound. *Arch Phar & Pharmacol Res.* 1(2): 2018. APPR.MS.ID.000506

57. Nas FS, **Ali M**, Aminu MA, Nasiru AS. Characterization of bacteria associated with untreated otitis media with effusion among primary school children in Kano Metropolis, Nigeria. *Drug Discovery*, 2018, 12, 72-75
58. **Muhammad Ali**, Kabiru A. Garba and Muhammad S. Abdallah (2018). Antibiotic susceptibility profile of bacteria responsible for urinary tract infection (UTI), South Asian Journal of Biological Research, 1(1): 12-27
59. Gambo SB, Shehu A, Labaran H and **Ali M**. Phytochemical screening and Antibacterial Activity of *Vitex doniana* Stem Bark Extracts against *Staphylococcus aureus* and *Pseudomonas aeruginosa* isolated from Infected Wound. *J Biotech Biores.* 1(3). JBB.000511.2018
60. M. Garba, A. I. Minjibir, N. I. Tijjani, J. H. Suleiman and **M. Ali** (2018) Evaluation of Antibacterial and Phytochemical Analysis of Root Bark Extracts of *Guiera senegalensis* against Methicillin Resistant *Staphylococcus aureus* (MRSA). *Journal of Advances in Biology & Biotechnology* 9(3): 1-6,
61. **Ali M**, Diso SU, Nas (2018) Phytochemical Screening and Antibacterial Activity of *Citrus sinensis* Peel Extracts on Clinical Isolates of *Staphylococcus aureus* and *Salmonella typhi*. *J Pharm Sci Exp Pharmacol* 2018: 50-54.
62. Waiya S.A, Taura, D.W, Shehu A. A, Yahaya S.M, **Ali M** and Garba M. Prevalence of Hepatitis D Virus Antigens Among Sero-Positive Hepatitis B Surface Antigen (HBsAg) Patients Attending Aminu Kano Teaching Hospital (AKTH), Kano. *Archives of Immunology and Allergy.* 2018; 1(2): 67-74
63. Abdallah, M. S. and **Muhammad, A.** Antibacterial activity of leaves and fruits extract of *Tamarindus indica* against clinical isolates of *Escherichia coli* and *Shigella* at Potiskum Yobe state, Nigeria. *J Anal Pharm Res.* 2018;7(5):606–609. DOI: 10.15406/japlr.2018.07.00290
64. **Muhammad Ali** and Muhammad S Abdallah. Retrospective Study of HIV and Tuberculosis Co-Infection among HIV Sero-Positive Patients in Kano, Nigeria. *ARC Journal of Immunology and Vaccines.* 2018; 3(2): 24-30.
65. B. A. Jido, A. A. Shehu, F. U. Salisu, A. Yahaya and **M. Ali** (2018). Bacteriological Analysis of Selected Street Vended Fried Foods Sold in Wudil Town along Maiduguri Road, Kano State, Nigeria. *Asian Food Science Journal* 5(4): 1-7,

66. Zage AU, **Ali M** and Diso SU. Epidemiology, virology, transmission, clinical manifestation and vaccine for hepatitis virus B: a review. *Int J Vaccines Vaccin.* 2018;5(3):48–52. DOI: 10.15406/ijvv.2018.05.00103
67. **Ali M.** and Nas FS. Exercise for the Management and Treatment of Cervicogenic Headache: a Narrative Review. *MOJ Yoga Physical Ther.* 2018; 3(5):85–88. DOI: 10.15406/mojypt.2018.03.00050
68. **Ali M**, Abdallah MS and Jere SA (2018). Bacterial strategy of invading host immune system: A review. *Clin Res Immunol* 2018;1(2):1-7.
69. Abubakar NS, Abdulsamad MA, **Ali M.** Effects of microorganisms on quality and some indices of semen of male patients with infertility in Kano metropolis, Nigeria. *MOJ Toxicol.* 2018;4(5):325–329. DOI: 10.15406/mojt.2018.04.00121
70. **Ali M** and Abdallah AS (2018) Role of Microorganisms in Acute and Chronic Rhinosinusitis: A Review. In *Arch Uro Neph: IAUN*: 106.
71. Negbenebor HE and **Ali M** (2018) "Prevalence of Gastro-Intestinal Parasites of Local Chickens (*Gallusgallus Domestica*) in Kano, Nigeria ", *Annals of Microbiology and Infectious Diseases*, 1(4), pp.45-49.
72. Abubakar U Z, Sani Tajo T and **Muhammad A** (2018). Antibacterial Activity of *Citrus aurantifolia* Leaves Extracts against Some Enteric Bacteria of Public Health Importance. *Mod App Matrl Sci* 1(2)- 2018. MAMS.MS.ID.000107.
73. **Muhammad Ali**, Farouk S. *Nas.* Salmonella enterica Mechanisms of Overcoming Host Acquired Immune System: A Review. *Archives of Immunology and Allergy.* 2018; 1(1): 21-28
74. Sadatu A Jere, Nura Salisu and **Muhammad Ali** (2018) "Assessment of Mycological Quality of Smoked African Catfish (*Clarias gariepinus*) Sold at Sabon-Gari Market, Kano Nigeria", *Annals of Microbiology and Infectious Diseases*, 2(1), pp.13-18.
75. Abdallah, M Salihu and **Muhammad Ali** "Antibacterial Activity of Leaf and Stem Bark Extracts of *Adansonia Digitata* against *Escherichia coli* and *Salmonella typhi* Grown in Potiskum, Yobe State Nigeria". *Annals of Microbiology and Infectious Diseases* 2(1), 2019, pp.31-37.

76. Jido, B.A., Haruna, M. Abdullah, M.A., Shehu, A.A., Sadiu, F.U. and **Ali, M.** (2019). Determination of Proximate Composition of Selected Street Vended Fried Foods Sold in Wudil Town Kano State, Nigeria Chemistry Research Journal, 2019, 4(1):33-39
77. Ahmad T. Sule, **Muhammad Ali**, Sani U. Diso and Farouk S. Nas (2019) Utilization of *Moringa oleifera* Seeds in Purification of Ground water at Challawa Industrial Area, Kano Chemistry Research Journal, 2019, 4(1):19-23
78. Abubakar U. Zage, Aisha M. Ali and **Muhammad Ali** (2019). Effects of Water Pollution on Germination and Growth Parameters of *Amaranthus* spp along Getsi River in Bompai Industrial Area Kano, Nigeria Chemistry Research Journal, 2019, 4(1):143-148
79. Ali, A.M., Tajo, S.T., Zage, A.U., **Ali. M.** (2019) Phytochemical Screening, Proximate and Mineral Analysis of *Moringa oleifera* Leaf in Kano, Northern Nigeria. J Allied Pharm Sci: 55-60.
80. **Ali M**, Diso SU, Nas F.S (2018) Phytochemical Screening and Antibacterial Activity of *Citrus sinensis* Peel Extracts on Clinical Isolates of Staphylococcus aureus and Salmonella typhi. J Allied Pharm Sci: 50-54
81. Muhammad S Abdallah, Ibrahim U Imam and **Muhammad Ali**. (2019) Identification and Evaluation of Antibiotic Sensitivity Pattern of Bacteria Associated with Gastro-Intestinal Disorder in Damaturu Yobe State, Nigeria Journal of Allergy Research JALR, 1(2): 19-24
82. **Muhammad Ali**, Muhammad S. Abdallah. Prevalence of Urinary Tract Infection among Pregnant Women in Kano, Northern Nigeria. Archives of Reproductive Medicine and Sexual Health. 2019; 2 (1): 23-29
83. **Muhammad Ali**, Muhammad S A, Auwal U. Prevalence of *Staphylococcus aureus* among Children Diagnosed with Acute Diarrhea in Kano, Nigeria. Mod App Matrl Sci 1(2)- 2019. MAMS.MS.ID.000110. DOI: 10.32474/MAMS.2019.01.000110.
84. Abdallah MS and **Ali M** (2019) Antibacterial Activity of *Moringa oleifera* Leaf Extracts against Bacteria Isolated from Patients Attending General Sani Abacha Specialist Hospital Damaturu. J Allied Pharm Sci: 61-66
85. **Muhammad Ali**, Ibrahim U Imam, Muhammad S Abdallah. Antibacterial Activity of *Leptadenia hastata* Leaves Extracts against Some Gastro-Intestinal Isolates. Arch Biomed Eng & Biotechnol. 1(3): 2019. ABEB.MS.ID.000514.

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87. Farouk S. Nas, **Muhammad Ali**, Muhammad S. Abdallah, Abubakar U. Zage. Prevalence and Antibiotic Susceptibility Pattern of *Escherichia coli* Isolated from Urine Samples of Urinary Tract Infection Patients. ARC Journal of Urology.2019; 4(1):14-20.[doi:dx.doi.org/10.20431/2456-060X.0401004](https://doi.org/10.20431/2456-060X.0401004).
88. **Muhammad Ali**, Muhammad SA, Idris SI and Ibrahim UI Disinfection Effect of *Moringa oleifera* Seed Extracts against Bacteria Isolated from River Water. Examines in Marine Biology and Oceanography EIMBO.MS.ID.000550. 2(5).2019
89. **Muhammad Ali**, Aisha M. Ali, Effects of Land Uses on Physicochemical Properties of Soil in Kano Metropolis, Northern Nigeria ", Annals of Geographical Studies, 2(2), 2019, pp. 1-6.
90. **Muhammad Ali**, Idris S Ibrahim. Phytochemical Screening and Proximate Analysis of Garlic (*Allium sativum*). Arc Org Inorg Chem Sci 4(1)- 2019. AOICS.MS.ID.000180. DOI: 10.32474/AOICS.2019.04.000180.
91. Muhammad S. Abdullah, Farouk S. Nas and **Muhammad Ali**, "Antibacterial Activity of *Psidium guajava* Leaf and Stem Bark Extracts against Clinical Isolates of *Staphylococcus aureus* and *Salmonella typhi*", International Journal of Research in Pharmacy and Biosciences, vol. 6, no. 5, pp. 11-17, 2019
92. Farouk S. Nas, Ibrahim U. Imam, **Muhammad Ali**, et al. Prevalence of *Klebsiella pneumoniae* Isolated from Pregnant Women with Urinary Tracts Infections. Archives of Urology. 2019; 2(1): 1-7
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3. Bayero University Kano, Faculty of Science International Science Conference 27<sup>th</sup> – 30<sup>th</sup> August, 2017
4. Genetic Society of Nigeria (GNS) Annual Conference Makurdi, 2017, 15<sup>th</sup> – 19<sup>th</sup> October, 2017
5. Yusuf Maitama Sule University, Kano Faculty of Science 3<sup>rd</sup> Annual International Conference 15<sup>th</sup> – 17<sup>th</sup> November, 2017
6. Nigerian Society for Microbiology (NSM) 40<sup>TH</sup> Scientific Conference and Annual General Meeting Bauchi, 4<sup>th</sup> – 8<sup>th</sup> December, 2017
7. National Water Resources Institute, 7<sup>th</sup> National Water Conference Kano 12<sup>th</sup> – 14<sup>th</sup> December, 2017
8. Nigerian Society for Microbiology (NSM) 41<sup>st</sup> Scientific Conference and Annual General Meeting Katsina, 3<sup>rd</sup> – 7<sup>th</sup> September, 2018
9. Yusuf Maitama Sule University, Kano Faculty of Science 4<sup>th</sup> Annual International Conference 8<sup>th</sup> – 11<sup>th</sup> July, 2019
10. Zoological Society of Nigeria (ZSN), 13<sup>TH</sup> Annual Conference Ahmadu Bello University Zaria, 5<sup>th</sup> – 8<sup>th</sup> August, 2019

11. Medical Laboratory Science Bayero University Kano, International Conference on ONE HEALTH Kano 2019, 9<sup>th</sup> – 14<sup>th</sup> December, 2019
12. Botanical Society of Nigeria (BOSON) 28<sup>th</sup> Annual Conference and General Meeting Federal University Kashere 12<sup>th</sup> – 16<sup>th</sup> September, 2021
13. Yusuf Maitama Sule University, Kano Faculty of Science 5<sup>th</sup> Annual International Conference 18<sup>th</sup> – 19<sup>th</sup> October, 2023
14. Department of Microbiology, 2<sup>nd</sup> UMYU Conference on Microbiology and Related Sciences, Umaru Musa Yar'adua University Katsina 27<sup>th</sup> – 29<sup>th</sup> February, 2024
15. Department of Microbiology, 3<sup>rd</sup> UMYU Conference on Microbiology and Related Sciences, Umaru Musa Yar'adua University Katsina 16<sup>th</sup> – 18<sup>th</sup> April, 2025
16. Kaduna State University Center for Biosecurity, Biosafety, Infectious Diseases and One Health (CEBBIDOH) International Hybrid Conference on Antimicrobial Resistance: A Global treat 4<sup>th</sup> – 6<sup>th</sup> June, 2025
17. Science Association of Nigeria (SAN) and Faculty of Life Science, Bayero University Kano 57<sup>th</sup> Annual Conference of SAN 2025 30<sup>th</sup> June – 3<sup>rd</sup> July, 2025
18. Faculty of Natural and Applied Science, Umaru Musa Yar'adua University Katsina 1<sup>st</sup> UMYU – NAS Conference 2025 27<sup>th</sup> – 30<sup>th</sup> July, 2025

### **LABORATORY SKILLS**

1. Bacterial culture and isolation
2. Gram staining and microscopy
3. Biochemical identification of bacteria
4. Antimicrobial susceptibility testing (disk diffusion, MIC and MBC)
5. Data analysis using statistical software (Excel)

### **WORKSHOPS**

1. The Book Publishing Process: An Elsevier Author Workshop organized by Elsevier on 30<sup>th</sup> June, 2020
2. Microbial Quality Control in Manufacturing of Medicinal Products organized by Labroots on 29<sup>th</sup> September, 2020
3. Bio-hydrogen Production: An Insight into Thermophilic Bacteria organized by The American Society for Microbiology on 31<sup>st</sup> October, 2020

## **PROFESSIONAL AFFILIATIONS**

1. Teachers Registration Council of Nigeria (TRC) 2009
2. Nigerian Society of Microbiology (NSM) 2013
3. American Society of Microbiologist (ASM) 2015
4. Royal Society of Tropical Medicine and Health (RSTMH) 2023

## **HOBBIES**

1. Travelling
2. Research
3. Reading

## **REFEREES**

### **1. Dr. Farouk Sani Nas**

Department of Biological Sciences Bayero University, Kano

Phone: 08035228004, E-mail: [fanasgg7@yahoo.com](mailto:fanasgg7@yahoo.com)

### **2. Dr. Abdullahi Yahaya**

Department of Biological Sciences Kano University of Science and Technology, Wudil

Phone: 08065404228, E-mail: [yahayabdul@yahoo.com](mailto:yahayabdul@yahoo.com)

### **3. Dr. Nura Salisu**

Department of Biological Sciences Ahmadu Bello University, Zaria

Phone: 08031513910 E-mail: [salisunura77@gmail.com](mailto:salisunura77@gmail.com)