

**UNIVERSITY OF MEDICAL SCIENCES, LAJE ROAD, ONDO CITY,
ONDO STATE, NIGERIA**



CURRICULUM VITAE: DR. OLORUNJUWON OMOLAJA BELLO

A. Personal Data

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|--|---|
| 1. Full Name (Surname first) | Bello, Olorunjuwon Omolaja |
| 2. Date of Birth | 22 January 1976 |
| 3. Details of Contact Address: | |
| (a) E-mail addresses: | obello@unimed.edu.ng;
juwonbello@yahoo.com |
| (b) Mobile Phone Number(s): | +2348057892661 |
| 4. Nationality | Nigerian |
| 5. State of Origin | Ogun |
| 6. Senatorial District | Ogun East |
| 7. Local Government Area | Sagamu |
| 8. Permanent Home Address | 16, Osuntoye Street, Awa-Ijebu, Ogun State,
Nigeria |
| 9. Marital Status | Married |
| 10. Number of Children and their Ages | Two: 15 and 13 Years Old |
| 11. Next of Kin | Dr. Temitope K. Bello |
| 12. Details of Contact Address of Next of Kin: | |
| (a) E-mail address | btemitope76@yahoo.com |
| (b) Mobile Phone Number(s): | +44 7759 935697 |
| 13. Date of Assumption of Duty | 31 May 2019 |
| 14. Rank/status on First Appointment | Senior Lecturer (CONUASS 5, Step 4) |
| 15. Present Status | Reader |
| 16. Date of Last Promotion | 1 October 2022 |
| 17. Present Salary, Grade Level, and Step | N 4,299,020.24 per annum (CONUASS 6,
Step 2) |
| 18. Date of Confirmation of Appointment: | 31 May 2022 |
| 19. Faculty/Directorate | Science |
| 20. Department/Unit | Microbiology |
| 21. Google Scholar ID | https://scholar.google.com/citations?hl=en&user=xJg-E8kAAAAJ |

B. Educational Background

1. Higher Educational Institutions Attended with Dates:

Alubarika Primary School, Bariga, Lagos, Nigeria	1982 - 1988
St. Luke's Grammar School, Bariga, Lagos, Nigeria	1989 - 1994
The Polytechnic, Ibadan, Oyo-State, Nigeria	1997 - 2000
Olabisi Onabanjo University, Ago-Iwoye, Ogun State, Nigeria	2001 - 2006

Olabisi Onabanjo University, Ago-Iwoye, Ogun State, Nigeria	2008 - 2010
Olabisi Onabanjo University, Ago-Iwoye, Ogun State, Nigeria	2010 - 2015

2. Academic/Professional Qualifications and Distinctions Obtained with Dates:

Doctor of Philosophy (Ph.D.) in Microbiology	July 2015
Masters of Science (M.Sc.) Degree in Microbiology	July 2010
Bachelor of Science (B.Sc.) Degree in Microbiology	Jan. 2006
National Diploma (ND) in Science Laboratory Technology	May 2000

3. Other Distinctions and Awards with Dates:

(a) Fellowship

Doctoral Research (Sandwich) North-West University (NWU), South-Africa	April–Dec. 2013
Member and Visiting Research Fellow Microbial Biotechnology Laboratory, NWU, South Africa	2013 till date
Postdoctoral Research McGill University, Montreal, Canada	Sept.2018-May 2019
Postdoctoral Research The University of Chester, Exton Park, Chester	July 2023-Jan. 2024
American Society for Microbiology (ASM) Future Leaders Mentorship Fellowship (FLMF) Mentor, 2024 Cohort	1 May 2024 to date

(b) Research Grants

Tertiary Education Trust Fund (TETFund)	April 2013
Tertiary Education Trust Fund (TETFund) (in collaboration with my PhD student: Aderonke M. Ilemobayo)	June 2023

(c) National Awards

Certificate of Merit, National Youth Service Corps, Nnewi South, Anambra State	2007
Award of Excellence from the National Association of Microbiology Students: Best Lecturer, Dept of Microbiology, OOU, Ogun	2011,12,13 & 14
Award of Excellence from the National Association of Microbiology Students: Most Dedicated Lecturer, Department of Microbiology, OOU, Ogun	2015 & 2016

C. Work Experience with Dates

1. Previous Work Experience outside the University System with Dates:

University College Hospital (UCH), Ibadan, Oyo State (A three-month I.T., a prerequisite to the award of National Diploma)	Jan. - Apr. 1999
Somolu Local Government Health Centre, Lagos State (One-year Industrial Training, for completion of National Diploma)	Jun. 2000-Sept. 2001
Tofunmi Specialist Hospital, Igbogbo, Ikorodu, Lagos (3 months IT). Assistant Science Laboratory Technologist	Nov. 2003-Feb. 2004
Madonna Secondary School, Ukpok, Nnewi South, Anambra State, Nigeria Science Teacher (NYSC)	Aug. 2006-Aug. 2007

2. Work Experience in Other Universities

Graduate Assistant Department of Microbiology, OOU, Ago-Iwoye, Ogun	May 2008-July 2010
Assistant Lecturer Department of Microbiology, OOU, Ago-Iwoye, Ogun	July 2010-Sept. 2013
Doctoral Student/Teaching Assistant Department of Biological Sciences, NWU, South Africa	Apr. 2013-Dec. 2013
Lecturer II Department of Microbiology, OOU, Ago-Iwoye, Ogun	Oct. 2013-Apr. 2016
Lecturer I Department of Biological Sciences, Southwestern University Nigeria	May 2016-May 2017
Senior Lecturer Department of Biological Sciences, Wesley University Ondo, Nigeria	Jun. 2017-May 2019
Postdoctoral Researcher/Teaching Assistant Department of Microbiology and Immunology, McGill University, Montreal, Canada	Sept. 2018-May 2019
Volunteer Visiting Lecturer Department of Biomedical Sciences, School of Health Sciences, Birmingham City University, UK	Aug. 2023-Dec 2023

Undergraduate Courses Taught in Other Universities

At Olabisi Onabanjo University, Ago-Iwoye and Southwestern University Nigeria (2007/08 to 2016/17 Session)

Course Code	Course Title & Units	Units taught
MCB 411	Medical Virology (3 Unit)	1.5
MCB 409	Environmental Microbiology (3)	3.0
MCB 407	Industrial Microbiology (4)	2.0

MCB 406	Microbial Ecology (3)	1.5
MCB 405	Principles of Epidemiology & Public Health (3)	1.5
MCB 315	Bacteriology (3)	1.5
MCB 311	Pathogenic Bacteriology (3)	1.5
MCB 303	Immunology (3)	3.0
MCB 301	Microbial Genetics & Molecular Biology (3)	3.0
MCB 204	Microbial Physiology (3)	1.5
MCB 201	General Microbiology (3)	1.5
GNS 105	History and Philosophy of Science (3)	1.5
BIO 002	General Biology II (Pre-degree Science)	
BIO 001	General Biology I (Pre-degree Science)	

At Wesley University Ondo (2017/18 Session)

Course Code	Course Title & Units	Units taught
MIC 201	Introductory Microbiology (3)	1.5
MIC 303	Immunology and Immunochemistry (3)	1.5
MIC 313	Bacteriology (3)	1.5
MIC 421	Food Microbiology and Processing (3)	1.5
MIC 433	Applied Immunology (3)	1.5
MIC 401	Medical Bacteriology (3)	3.0
MIC 461	Microbial Genetics (3)	3.0
MIC 402	Medical Microbiology (3)	1.5
MIC 426	Pharmaceutical Microbiology (3)	1.5
MIC 428	Medical Parasitology (3)	1.5
MIC 324	Basic Virology (3)	1.5
BIO 208	Mycotechnology (2)	1.5

At University of Medical Sciences, Ondo City, Ondo (2018/19 to 2022/2023 Session)

Course Code	Course Title & Units	Units taught
MCB/STM 222	Basic Techniques in Microbiology (2)	0.7
BIO 221/STB 221	Genetics I (2)	0.7
MMB 222	Medical Microbiology (Nursing)	1.0
BIO 321	Immunology (3)	1.0
MBL 322	Introductory Virology (3)	1.0
MBL 324	Biodeterioration (2)	1.0
MBL 211	Introductory Microbiology (3)	1.0
PBT 212	Introduction to Biotechnology (3)	1.5
PBT 316	Advanced Techniques in Biotechnology Research (3)	1.5
MBL 411	Pathogenic Microbiology (3)	1.0
BIO 411	Molecular Biology II (3)	1.0
MBL 412	Microbial Genetics (3)	1.5
PBT 412	Plant Virology (3)	1.5

MBL 415	Principles of Epidemiology and Public Health Management (3)	1.5
BIO 421/BIO 322	Biostatistics and Experimental Design (2)	1.0
MBL 424	Virology and Tissue Culture (3)	1.5
PBT 416	Methods in Recombinant DNA Technology	1.0
MCB 498	Essays in Microbiology	2.0
MCB 499	Research Project (6)	6.0

Undergraduate Supervision in Other Universities

Project Students	130 Students
Seminar Students	130 Students
SIWES Students	158 Students

Postgraduate Courses Taught in Other University

Course Code	Course Title & Units	Units taught
MCB 804	Advanced Microbial Genetics and Genomics (3)	1.5
MCB 806	Advanced Virology (3)	1.5
MCB 809	Advanced Public Health Microbiology (3)	1.5
MCB 812	Antimicrobial Agents and Chemotherapy (3)	1.5

Postgraduate Supervision/Co-supervision in Other Universities

Master's Students (3 Co-supervisions)	6 Students
Doctoral Student (Co-supervisions)	2 Students

3. Work Experience in University of Medical Sciences

Senior Lecturer

Department of Biological Sciences,
University of Medical Sciences, Ondo, Nigeria

May 2019 – Oct. 2022

Reader

Department of Microbiology,
University of Medical Sciences, Ondo, Nigeria

Oct. 2022 to date

4. Undergraduate Courses Taught Within the Current Academic Session

Course Code	Course Title	Units taught
<u>First Semester</u>		
MCB 411	Pathogenic microbiology	1.5
MCB 412/ STM 314	Microbial Genetics	1.5
MCB 415	Principles of Epidemiology and Public Health Management	1.0
MCB 416	Pharmaceutical Microbiology	1.5
MCB 498	Seminar	2.0
<u>Second Semester</u>		
MMB 222	Medical Microbiology (Nursing)	
BIO 321	Immunology	1.5

BIO 322	Basic Techniques in Microbiology	1.0
MCB 499	Research Project	6.0

5. Postgraduate Courses Taught Within the Current Academic Session

Course Code	Course Title	Units taught
<u>First Semester</u>		
BIO 711	Research Methodology	1.0
MCB 714	Biostatistics	1.0
MCB 790	Seminar in Microbiology	3.0
BIO 811	Biostatistics	1.0
BIO 812	Research methodology and application of ICT in research	1.0
MCB 812	Advanced Genetics and Molecular Biology	1.5
MCB 813	Advanced Medical Bacteriology and Mycology	1.5
MCB 814	Advanced Immunology and Immunochemistry	1.5
MCB 815	Applied Parasitology	1.0
<u>Second Semester</u>		
MCB 724	Introductory Virology	1.5
MCB 821	Advanced Public Health Microbiology	1.5
MCB 822	Advanced Virology	1.5
MCB 823	Advanced Pharmaceutical Microbiology	1.5
MCB 824	Quality Control and Industrial Practices	1.0
MCB 825	Advanced Industrial Microbiology and Biotechnology	1.5
MCB 890	Seminar	2.0
<u>Third Semester</u>		
MCB 899	Research Project	6.0

6. Graduate Students' Supervision within Current Session:

Master's Students	2
Doctoral Student	2

7. Current Undergraduate Supervision: 4 Students

D. Membership of Professional Bodies

- Member, American Society for Microbiology (ASM)
- Member, British Society for Antimicrobial Chemotherapy (BSAC)
- Member, American Association of International Researchers (AAIR)
- Member, AFREhealth
- Member, Applied Microbiology International (AMI)
- Member, Nigerian Bioinformatics and Genomics Network (MBGN)
- Member, International Society for Infectious Diseases (ISID)

E. Publications:

1. Thesis/Dissertation

- i. **Bello, O. O. (2005).** Comparative analysis of the microbial air qualities of four areas in south western Nigeria. **B.Sc Project Report**, Ogun State University, Ago-Iwoye, Nigeria (Supervisor: **Dr. Oluwaseyi O. Adesanya**; seyiadesanya@yahoo.com).
- ii. **Bello, O. O. (2010).** Isolation, characterization and antibiotic susceptibility testing of bacteria from breast milk of healthy lactating mothers. **M.Sc Thesis**. Ogun State University, Ago-Iwoye, Nigeria (Supervisor: **Prof. Adeleke Osho**; adelekeosho@yahoo.com).
- iii. **Bello O. O. (2015).** Antibiotic resistance profiles and molecular characterization of bacteria in foods from *Irvingia gabonensis*, *Colocynthis citrullus* and *Parkia biglobosa*. **Ph.D. Dissertation**. Olabisi Onabanjo University, Ago-Iwoye, Nigeria (Supervisor: **Prof. Samuel Adegoke Bankole**; sabankole@yahoo.com).

2. Contribution to Books

- i. **Bello, O. O.,** Oni, M. O., Bello, J. O., and Bello, T. K. (2021). Investigation of incidence of extended-spectrum beta-lactamase-producing-bacteria in salad vegetables in Ondo city, Nigeria. *In: Current Research in Agricultural and Food Science*, 4, 1-14.
- ii. Fashola, M. O., Obayori, O. S., Adebisi, K. O., Abiona, O. O., Opere, B. O., and **Bello, O. O.** (2021). Application of nanobiotechnology in agri-food sector; a promising technique in food safety. *In: Babalola, O. O. (ed.) Food Security and Safety*. Springer Nature Switzerland https://doi.org/10.1007/978-3-030-50672-8_38.

3. Published Journals Articles

- i. Osho, A., and **Bello, O. O.** (2010). Antimicrobial effect of honey produced by *Apis mellifera* on some common human pathogens. *Asian Journal of Experimental Biological Sciences*, 1(4), 875-880.
- ii. Osho, A., Mabekoje, O. O., and **Bello, O. O.** (2010). Preliminary evaluation of wastewater effluents from two food companies in Nigeria. *African Journal of Microbiology Research*, 4(13), 1395-1399.
- iii. Osho, A., Mabekoje, O.O., and **Bello, O.O.** (2010). Comparative study on the microbial load of *Gari*, *Elubo-isu* and *Iru* in Nigeria. *African Journal of Food Science*, 4(10), 646 – 649.
- iv. Osho, A., **Bello, O. O.,** Fayemi, S. O., and Adetunji, T. (2011). In-vitro screening of some selected Nigerian medicinal plants (*Fagara zanthoxyloides*, *Vernonia amygdalina*, *Prosopis Africana* and *Azadirachta indica*) for antibacterial activity. *Advances in Bioresearch*, 2(1), 190-195.

- v. **Bello, O. O.**, Mabekoje, O. O., Egberongbe, H. O., and Bello, T. K. (2012). Microbial qualities of swimming pools in Lagos, Nigeria. *International Journal of Applied Science and Technology*, 2(8), 89-96.
- vi. **Bello, O. O.**, and Osho, A. (2012). Antimicrobial Effects of spices on spoilage organisms of moin-moin. *Advances in Bioresarch*, 3(2), 60 – 65.
- vii. **Bello, O. O.**, Mabekoje, O. O., Efuntoye, M. O., and Bello, T. K. (2012). Prevalence of vaginal pathogens associated with genital tract infections in Ogun State, Nigeria. *British Microbiology Research Journal*, 2(4), 277-289.
- viii. Egberongbe, H. O., **Bello, O. O.**, Solate, A. T., and Sossou, M. S. (2012). Microbiological evaluation of stream water for domestic use in rural areas: a case study of Ijebu North Local Government, Ogun State, Nigeria. *Journal of Natural Science, Engineering and Technology*, 11(1), 93-103.
- ix. Egberongbe, H. O., **Bello O. O.**, Awoderu, V. A., and Bello, T. K. (2013). Microbiological and physicochemical evaluations of some streams along Ilisan - Ago-Iwoye Road, Ogun State, Nigeria. *Asian Academic Research Journal of Multidisciplinary*, 1(14), 96-109.
- x. **Bello, O. O.**, Bello, T. K., and Fashola, M. O. (2013). Antibacterial activity of lactic acid bacteria isolated from fresh pepper and tomatoes against common food pathogens. *Scientia Agriculturae*, 4(2), 42-47.
- xi. **Bello, O. O.**, and Osho, A. (2013). Comparative study of bacteriological qualities of meat pies sold in some standard eateries and local kiosks in Ogun State, Nigeria. *Applied Science Reports*, 2(2), 39-45.
- xii. Mabekoje, O. O., **Bello, O. O.**, and Egberongbe, H. O. (2013). Antimicrobial efficacy of *Oocimum gratissimum* and *Vernonia amygdalina* on gastrointestinal bacteria. *Canadian Journal of Pure and Applied Sciences*, 2(2), 2341-2345.
- xiii. **Bello, O. O.**, Osho, A., and Bello, T. K. (2013). Microbial quality and antibiotic susceptibility profiles of bacterial isolates from borehole water used by some schools in Ijebu-Ode, Southwestern Nigeria. *Scholars Academic Journal of Biosciences*, 1(1), 4-13.
- xiv. **Bello, O. O.**, Bello, T. K., and Bankole, S. A. (2013). Occurrence of antibiotic-resistant *Staphylococcus aureus* in some street-vended foods in Ogun State, Nigeria. *Journal of Advances in Biology*, 1(1), 21-28.
- xv. Bello, T. K., **Bello, O. O.**, Egberongbe, H. O., Azeez, I. A., and Oluwadun, A. (2013). Antibiotics resistance profile of *Escherichia coli* and *Enterobacter aerogenes* isolated from well waters in Ago-Iwoye, southwestern Nigeria. *Journal of Advances in Biology*, 2(2), 135-144.

- xvi. **Bello, O. O.**, Egberongbe, H. O., Adesetan, T. O., and Adenekan, A. M. (2013). Antibiotic sensitivity profiles of bacteria isolated from decayed teeth. *Scholars Academic Journal of Pharmacy*, 2(6), 424-428.
- xvii. **Bello, O. O.**, Osho, A., Bankole, S. A., and Bello, T. K. (2013). Bacteriological and physicochemical analyses of borehole and well water sources in Ijebu-Ode, southwestern Nigeria. *IOSR Journal of Pharmacy and Biological Sciences*, 8(2), 18-25.
- xviii. **Bello, O. O.**, Osho, A., Bankole, S. A., and Bello, T. K. (2013). Antibiotic susceptibility profiles and bacteriological risks associated with used toothbrushes: A case study of some apparently healthy University students in southwestern Nigeria. *American International Journal of Biology*, 1(1), 01-12.
- xix. Adesetan, T. O., Egberongbe, H. O., Ilusanya, O. A. F., and **Bello, O. O.** (2013). Antimicrobial sensitivity of bacterial isolates from street vended fruits in Ijebu area of Ogun state, Nigeria. *International Research Journal of Microbiology*, 4(9), 220-225.
- xx. **Bello, O. O.**, Bello, T. K., Fashola, M. O., and Oluwadun, A. (2014). Microbiological quality of some locally-produced fruit juices in Ogun State, Southwestern Nigeria. *E3 Journal of Microbiology Research*, 2(1), 001-008.
- xxi. Adebisi, N. O., Efuntoye, M. O., Agu, G. C., **Bello O. O.**, Mabekoje, O. O., and Egberongbe, H. O. (2015). Fecal Contamination of Groundwater in Three University Communities of Southwestern Nigeria. *Journal of Applied Sciences Research*, 11(22), 173-178.
- xxii. **Bello, O. O.**, Bankole, S. A., and Babalola, O. O. (2016). Bacteriocin detection from seeds of *Colocynthis citrullus* and evaluation of its antibacterial activities. *International Research Journal of Natural and Applied Sciences*, 3(5), 2349-4077.
- xxiii. **Bello, O. O.**, Bankole, S. A., and Babalola, O. O. (2016). Molecular screening of bacteriocin produced by lactic acid bacteria from *Irvingia gabonensis* seeds. *Nature and Science*, 14(8), 67-78.
- xxiv. **Bello, O. O.**, Bello, T. K., Amolegbe, O. A., and Sanwo, S. A. (2016). Bacteriological assessment of raw meats sold in Lagos, Nigeria. *Scientia Agriculturae*, 16(1), 20-25.
- xxv. Adesetan, T. O., Mabekoje, O. O., and **Bello O. O.** (2017). Bacteriological quality of street vended ready-to-eat foods in Ago-Iwoye, Nigeria: A study of University environment. *International Journal of Microbiology Research and Reviews*, 6 (4), 225-229.
- xxvi. **Bello, O. O.**, Oni, M. O., Bello T. K., and Amoo, O. T. (2017). Occurrence of antibiotic-resistant bacteria in sachet and bottled water brands in Ondo City, Nigeria. *International Journal of Advanced Research and Publications*, 1(6), 2017.

- xxvii. **Bello, O. O.**, Oyekanmi, E. O., Kelly, B. A., Mebude, O. O., and Bello, T. K. (2018). Antibiotic susceptibility profiles of bacteria from diabetic foot infections in selected teaching hospitals in southwestern Nigeria. *International Annals of Science*, 4(1), 1-13.
- xxviii. **Bello, O. O.**, Bello, T. K., Amoo, O. T., and Atoyebi, Y. O. (2018). Comparative evaluation of microbiological and nutritional qualities of various cereal-based Ogi in Ondo State, Nigeria. *International Journal of Environment, Agriculture and Biotechnology*, 3(2), 676-685.
- xxix. **Bello, O. O.**, Bello, T. K., and Adekoya, R. A. (2018). Preliminary bacteriological evaluation of rabbit meat retailed on Sagamu-Ikorodu Expressway, Nigeria. *Journal of Technology and Food Chemistry*, 1(1), 101-105.
- xxx. **Bello, O. O.**, Babalola O. O., Adegboye, M., Fashola, M. O., and Bello, T. K. (2018). Partial purification, characterization and application of bacteriocins from bacteria isolated from *Parkia biglobosa* seeds. *Natural and Engineering Sciences*, 3(2), 72-94.
- xxxi. Fashola, M. O., Opere, B. O., Saibu, G. M, **Bello, O. O.**, Yovoyan, T. S., and Usman, O. F. (2018). Antibacterial effects of aqueous extract of onion (*Allium cepa*) and garlic (*Allium sativum*) on some clinical bacterial isolates. *Journal of Research and Review in Science*, 5, 1-7.
- xxxii. **Bello, O. O.**, Oni, M. O., Bello, J. O., and Bello, T. K. (2019). Incidence of extended-spectrum beta-lactamase producing bacteria in salad vegetables in Ondo city, Nigeria. *Asian Food Science Journal*, 9(1), 1-14.
- xxxiii. **Bello, O. O.**, Oni, M. O., Bello, T. K., Fashola, M. O., and Oluwafemi, Y. D. (2020). Microbial quality of utility water at universities in Nigeria. *Malaysian Journal of Microbiology*, 16(5), 353-363.
- xxxiv. **Bello, O. O.**, Bello, T. K., Babalola O. O., and Olu-Aderoumu, W. O. (2020). Antibigram of bacterial flora of public health significance associated with postharvest *Irvingia gabonensis* seeds, *Proceedings of the Nigerian Academy of Science*, 13(2), 13-29.
- xxxv. Kone, J. K., **Bello, O. O.**, and Onifade, A. K. (2020). Antimicrobial potency of *Euphorbia heterophylla* against selected clinical pathogens. *Proceedings of the Nigerian Academy of Science*, 13(2), 20-32.
- xxxvi. Bello, T. K., and **Bello, O. O.** (2020). Bacteriological safety of suya, a ready-to-eat beef product, and its association with antibiotic-resistant pathogens in Nigeria. *Carpathian Journal of Food Science and Technology*, 12(5), 81-98.
- xxxvii. Ekundayo E. A., Adegbenro A., Ekundayo. F. O., Onipede H., **Bello O. O.**, and Anuoluwa I. A. (2021). Antimicrobial activities of microbially-synthesized silver

- nanoparticles against selected clinical pathogens in Akure, Nigeria. *African Journal of Microbiology Research*, 15(3), 132-145.
- xxxviii. **Bello, O. O.**, Oni, M. O., Bello, T. K., and Awopetu, B. P. (2021). Screening of Infected Teeth of Dental Patients Attending University of Medical Sciences Teaching Hospital, Ondo City for Associated Antibiotic-Resistant Bacteria. *CPQ Medicine* 12(2), 1-13.
- xxxix. Oni, M. O., **Bello, O. O.**, Ademola, R. A., Mba, U. D., and Oni, V. O. (2021). Antimicrobial and cytotoxic properties of the leaf and stem bark extracts of *Faidherbia albida*. *Acta Microbiologica Bulgarica*, 37(4), 209-214.
- xl. Godwin, O. O., **Bello, O. O.**, Thomson, A. D., and Idu, M. (2021). Phytochemistry and antibacterial activities of *Ficus exasperata* Vahl. on selected clinical isolates. *Acta Microbiologica Bulgarica*, 37(2), 135-142.
- xli. Oni, M. O., **Bello, O. O.**, Ademola, R. A., Adelowo, J. M., Ogun, O. T., Mba, U. D., and Oni, V. O. (2022). Evaluation of anticancer and antibacterial potentials of methanolic extracts of the leaf and stem bark of *Azela africana*. *Egyptian Pharmaceutical Journal*, 21, 40-45.
- xl.ii. Bello, T.K and **Bello, O.O.** (2022). Public health implications of antibiotic-resistant bacteria associated with suya spices in Nigeria. *Journal of Nutrition and Food Security*, 7(3), 340-354.
- xl.iii. **Bello, O.O.**, Lebi, F.O., Bello, T.K., and Oluwafemi, Y.D. (2022). Phytochemical and antibacterial evaluations of *Alternanthera repens* (L.) and honeys on *Pseudomonas aeruginosa* of clinical origin. *Egyptian Pharmaceutical Journal*, 21(3), 273-281.
- xl.iv. Ekundayo. T. C., Igere, B. E., Iwu, C. D., Oluwafemi, Y. D., Tihamiyu, A. M., Adesina, I. A., Anuoluwa, I. A., Ekundayo, E. A., **Bello, O. O.**, Olaniyi, O. O., and Ijabadeniyi. O. A. (2022). Prevalence of *Laribacter hongkongensis* in food and environmental matrices: A systematic review and meta-analysis. *Journal of Food Microbiology*, 107, 104089.
- xl.v. Alao, J.O., Oni, M.O., **Bello, O.O.**, Bejide, I.O., Alao, O.J., and Komolafe, O.I. (2023). The synergism of Hepatitis B and aflatoxicosis in hepatocellular carcinoma development: a mini-review. *African Journal of Clinical and Experimental Microbiology*, 24(1), 09-15.
- xl.vi. **Bello, O.O.**, Martins, F. T., Bello, T. K., Osungbemi, B. W., and Ajagunna, A. M. (2023). Detection and control of biofilm. *International Journal of Advanced Engineering Research and Science*, 10(3), 50-63.
- xl.vii. Wunrow, H. Y., Bender, R. G., Vongpradith, A., Naghavi, M., Kyu, H. H. ...**Bello. O. O. et al.** (2023). Global, regional, and national burden of meningitis and its aetiologies,

- 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet Neurology*, 22(8), pp. 685–711.
- xlvi. **Bello, O.O.**, Akinpeloye, B.O., Bello, T.K., Oluwafemi, Y.D., and Osungbemi, B.W. (2023). Physicochemical constituents and bacterial diversity in river waters in Ondo State, Nigeria. *Iranian Journal of Microbiology*, 15(6), 788-795.
 - xlix. **Bello, O. O.**, Martins, F. T., Bello, T. K., Anuoluwa, I. A., Anyakudo, M. M. C., Amolegbe, O. A., & Ilemobayo, A. M. (2023). Occurrence and Role of Bacterial Biofilms in Different Systems. *Acta Microbiologica Bulgarica*, 39(3), 239-248.
 - i. Schumacher, A. E., Kyu, H. H., Aali, A., Abbafati, C., Abbas, J.,**Bello, O. O.**, *et al.* (2024). Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950–2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021. *The Lancet*. Advanced online publication. [https://doi.org/10.1016/S0140-6736\(24\)00476-8](https://doi.org/10.1016/S0140-6736(24)00476-8).
 - ii. Bhattacharjee, N. V., Schumacher, A. E., Aali, A., Abate, Y. H., Abbasgholizadeh, R., ... **Bello, O. O.**, *et al.* (2024). Global fertility in 204 countries and territories, 1950–2021, with forecasts to 2100: a comprehensive demographic analysis for the Global Burden of Disease Study 2021. *The Lancet*, [https://doi.org/10.1016/S0140-6736\(24\)00550-6](https://doi.org/10.1016/S0140-6736(24)00550-6).
 - iii. Naghavi, M., Ong, K. L., Aali, A., Ababneh, H. S., Abate, Y. H., Abbafati, C....., **Bello, O. O.** *et al.* (2024). Global burden of 288 causes of death and life expectancy decomposition in 204 countries and territories and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet*. [https://doi.org/10.1016/S0140-6736\(24\)00367-2](https://doi.org/10.1016/S0140-6736(24)00367-2).
 - liii. Ferrari, A. J., Santomauro, D. F., Aali, A., Abate, Y. H., Abbafati, C.,**Bello, O. O.** *et al.* (2024). Global incidence, prevalence, years lived with disability (YLDs), disability-adjusted life-years (DALYs), and healthy life expectancy (HALE) for 371 diseases and injuries in 204 countries and territories and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet*. [https://doi.org/10.1016/S0140-6736\(24\)00757-8](https://doi.org/10.1016/S0140-6736(24)00757-8).
 - liv. Brauer, M., Roth, G. A., Aravkin, A. Y., Zheng, P., Abate, K. H., Abate, Y. H., Abbafati, C.,...**Bello, O. O.** *et al.* (2024). Global burden and strength of evidence for 88 risk factors in 204 countries and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease. *The Lancet*, 403(10440), 2162-2203.
 - lv. Emil, V. S., Ababneh, H. S., Abate, Y. H., Abbafati, C., Abbasgholizadeh, R.**Bello, O. O.** *et al.* (2024). Burden of disease scenarios for 204 countries and territories, 2022–2050: a forecasting analysis for the Global Burden of Disease Study 2021. *Lancet*, 403 (10440), 2204-2256.

- lvi. Kelly, B., Oyedeji, T., Olatujoye, F., and **Bello, O.** (2024). Assessment of *B. subtilis* Toxicity in Wistar Rats through the Intraperitoneal Route. *International Journal of Sciences: Basic and Applied Research*, 73(1), 90-101.
- lvii. Anuoluwa, I. A., Ekundayo, E. A., **Bello, O. O.**, Oluwafemi, Y. D., & Bolajoko, B. E. (2024). Microbial Responses to Shifting Climate Patterns. *Agrobiological Records* (In Print).

4. Articles Accepted for Publication

- i. **Bello, O.O.**, Ogunjobi, O. V., Oni, M. O., Bello, T. K., Ajagunna, A. M., and Ilemobayo, A. M. Occurrence of biofilm-producing antibiotic-resistant bacteria in water from distribution systems and their implications in public health (Submitted to *International Journal of Microbiology*).

5. Manuscript Submitted for Publication

- ii. **Bello, O. O.**, Akande, R. O., Bello, T. K., Fashola, M. O., Oni, M. O., Ilemobayo, M. O., and Osho, A. Production, phytochemical and antifungal evaluations of virgin *Cocos nucifera* (coconut) oil (Submitted to *Egyptian Pharmaceutical Journal*).
- iii. **Bello, O. O.**, Bello, T. K., Anuoluwa, I. A., Oluwafemi, Y. D., Martins, F. T., & Ajagunna, A. M. Biofilm Formation and Interbacterial Communication. Submitted to *Vietnam Journal of Science and Technology*.

6. Papers and Work in Progress

- i. Antifungal and phytochemical assessments of *Siphonochilus aethiopicus* (wild ginger) (Schweinf) B.L Burt) and *Monodora myristica* (African nutmeg) (Gaertn) Dunal against dermatophytic fungi.

7. Edited Books

- i. Current Research Trends in Biological Science Vol. 3, Edited by **Bello, O. O.** (2020). Book publisher International. ISSN 13(15) 978-93-90149-48-3(Print); 978-93-90149-47-6(eBook).

F. Professional Accomplishment

My professional accomplishments are centered on Teaching, Research, and Community Service. These have been achieved and measured by:

- Teaching, and learning through the process of teaching.
- Feeling of satisfaction through students' satisfaction and feedback.
- Acquisition of respect through uprightness, discipline, dedication, diligence, and commitment to duties.
- Experience and the quality of teaching, and research.
- Contribution to knowledge through participation in conferences, workshops, research, training, and publications at local and international levels.

- Receipt of academic and professional awards in recognition of outstanding performances and quality of work, respectively.
- Career progression and output.

G. Conferences, Seminars and Workshops Attended With Dates

- i. A workshop on "Equipping Laboratory-Based Scientists to Meet Modern Requirements in Research" held in the Department of Plant Science and Applied Zoology, Faculty of Science, Olabisi Onabanjo University, Ago-Iwoye, Ogun State, Nigeria (June 2010).
- ii. A workshop on "Polymerase Chain Reaction (PCR) and Its Applications" held at OAU Central Laboratory, Obafemi Awolowo University, Ile-Ife, Nigeria (September 2011).
- iii. Faculty of Science International Conference on Science and Sustainable Development in Nigeria Held at the Conference Centre, University of Ibadan, Ibadan from 13 to 17 May 2013.
- iv. "Academic Writing Workshop (Search and Referencing Citation)" held at the Academic Development Centre (Conference Room D192), North-West University, Mafikeng, South Africa (16-18 September 2013).
- v. A workshop on "How to Avoid Plagiarism" held at the Academic Development Centre Conference Room D192), North-West University, Mafikeng, South Africa (19 September 2013).
- vi. Annual Scientific Conference of Medical Laboratory Scientist. Theme: Sustainability in Medical Laboratory Practice in a Depressed Economy, at Akure, Ondo State, Nigeria on 7-9 August 2017.
- vii. Lagos State University 5th Faculty of Science (LASU FoSc) Conference 2017. 10 - 14 October 2017 at Lagos State University Campus.
- viii. International Conference and Workshop on Innovation, E-Schooling, Entrepreneurship and Grantsmanship. 12 - 14 April 2018 at Wesley University Ondo, Ondo; Adeyemi College of Education, Ondo and University of Medical Sciences, Ondo in collaboration with Southern University, USA.
- ix. International Conference on Applied Microbiology and Microbial Biotechnology; International Conference on Microbiome R & D & Biostimulants & 3rd International Conference on Internal Medicine and Hospital Medicine. 15-16 October 2018, Ottawa, Canada.
- x. Massive Open Online Course (MOOC) on Implementation Research (IR) with a focus on Infectious Diseases of Poverty (IDP) on 8 December 2019 organized jointly by the University of Ghana School of Public Health and the Special Programme for research and training in Tropical Diseases (WHO-TDR).

- xi. A workshop on Introduction to Bioinformatics and Its Applications in Biomedical Research, 25-29 December 2019 organized by University of Medical Sciences, Ondo in collaboration with the African Centre of Excellence in Genomics of Infectious Diseases (ACEGID), Redeemers' University, Ede.
- xii. The Nigerian Academy of Science (NAS) 1st Annual Scientific Conference (2020) on "The Role of Science in Attaining the Sustainable Development Goals (SDGs)" held at the Multipurpose Hall A & B, University of Lagos on 4 – 5 February 2020.
- xiii. A webinar on "Scopus, Mendeley, Researcher Academy Training" on 30 April 2020 (Harare, Pretoria).
- xiv. A webinar on "The Book Publishing Process: An Elsevier Author Workshop" on 3 June 2020 (Harare, Pretoria).
- xv. A webinar on "Article Publishing Process: An Elsevier Author Workshop" on 1 June 2020 (Harare, Pretoria).
- xvi. A webinar on "Building Your Research Capacity: Fundamentals of Research and Publication" by Ducit Blue Solution on 9 June 2020.
- xvii. A four-week online certificate workshop/tutorial on "Basics of Grant Proposal Writing" by INASP completed on 5 August 2020.
- xviii. A seven-week online certificate workshop on "Research Writing in the Sciences" by INASP held from July to August 2020.
- xix. ASM Microbe 2020 (Virtual) organized by the American Society of Microbiology from 18 – 22 June 2020 at Chicago, USA.
- xx. "Ethics in Biomedical Research and Global Best Practices in the Context of Preventive Chemotherapy Neglected Tropical Diseases (PC-NTDs) Elimination Strategy in Nigeria." A workshop organized by the Department of Zoology, Osun State University, Osogbo Nigeria in Partnership with The Global health Network (TGHN), University of Oxford on 17 November 2020.
- xxi. A webinar on Integrity in Academics organized by Canadian Institute of Leadership and Development (CILD) on 3 December 2020.
- xxii. The 5th LASUCOM Grant Management Virtual Public Lecture on "Multidisciplinary Approach to Grantsmanship: Animal Models and Clinical Research organized by Lagos State University, Ojoo on 22 December 2020.
- xxiii. "Bioplastics Development, Use and Management in Nigeria." An academic summit organized by the Association of Commonwealth Universities, United Kingdom and Waitrose & Partners, United Kingdom in collaboration with Elizade University, Nigeria from 18 – 19 February 2021.

- xxiv. Training on Mendeley Reference Management System organized by the University of Medical Sciences, Ondo on 2 March 2021.
- xxv. Workshop on use of HINARI/Research4Life platform & Literature searching organized by the University of Medical Sciences, Ondo on 2 March 2021.
- xxvi. "Harnessing Space Science and technologies to Advance National Health." A National Workshop on Space Technologies and Health organized by Center for Atmospheric Research in Collaboration with the University of Medical Sciences, Ondo from 17 – 18 May 2021.
- xxvii. A One-Day Capacity Building Workshop on Ethical Issues in Academia, Research, and Publications organized by the University of Medical Sciences, Ondo on 19 May 2021.
- xxviii. A webinar on "Scopus, Mendeley, Researcher Academy Training" on 30 April 2020 (Harare, Pretoria).
- xxix. Advanced Digital Appreciation Programme for Tertiary Institutions (ADAPTI) Training on Statistical Analysis using Statistical Package for Social Sciences (SPSS) from 5 – 9 July 2021 at UNIMED.
- xxx. Grantsmanship Workshop: Series 1: Organised by the UNIMED Central Office for Research and Development (CORD) on 14 September 2021 at the UNIMED Postgraduate School, GRA Campus, Ondo State, Nigeria.
- xxxi. Second Conference of the Nigerian Bioinformatics and Genomics Network held at Landmark University, Omu Aran, Kwara State from 11-13 October 2021.
- xxxii. Workshop on Teaching and Learning in Higher Education (Improving Pedagogical Teaching Skills) from 23 -25 November 2021 at the UNIMED Auditorium, Odosida Campus.
- xxxiii. Grantsmanship Workshop: Series 2: Organised by the UNIMED Central Office for Research and Development (CORD) from 29 – 30 November 2021 at the School Of Public Health, UNIMED Bolorunduro Campus, Ondo State, Nigeria.
- xxxiv. Third Nigerian Academy of Science (NAS) Annual Conference: Theme: Science and Technology Innovations for National Growth and Development held at the Nigerian Airforce Conference, Abuja on Tuesday, 25 and Wednesday, 26 January 2022.
- xxxv. The 5th International Science Conference on the theme: "Advances and Innovations in Science and Technology in the COVID-19 Era organized by the Faculty of Science, Federal University Oye Ekiti, Nigeria, 10 -12 January 2022.
- xxxvi. The University of Lagos Alexander von Humboldt Kolleg, 2022. An International Conference on the Theme: Africa's Bioeconomy and Sustainable Development: Emerging Biological Technologies for Food Production, One Health and Waste to

Wealth, 6 – 9 November 2022. Paper Read: Antifungal and Phytochemical Evaluations of *Cocos nucifera* (Coconut) Oil (Book of Abstract, p 70).

- xxxvii. The 4th Annual Scientific Conference of The Nigerian Academy of Science (NAS) at The Wells Carlton Hotel, Abuja (8, Gado Nasko Close, Asokoro, Abuja); Conference Theme: Innovations in Science and Technology for Attainment of Sustainable Development Goals in Nigeria. 24 & 25 January 2023. Paper Read: Characterization of lactic acid bacteria with probiotic potentials from *Irvingia gabonensis* and *Citrullus colocynthis* seeds.
- xxxviii. The 12th International Conference on Antibiotics, Antimicrobials & Resistance held on 14-15 September 2023 in London, United Kingdom
- xxxix. BioTecnica 2023 - International Conference on Advances in Biological Sciences held on 15-16 September 2023 at The Tomlinson Centre, London, United Kingdom.
- xl. UK Biobank Scientific Conference, London, UK on "Innovation for tomorrow's health" held on 13 December 2023 at QE II, Westminster, London.
- xli. Health Data Research UK Conference 2024: The Grand Challenges in Health Data held at the Royal Armouries Museum, Leeds on 5 – 6 March 2024.
- xl.ii. International Webinar on "Ortho spinal infections in the era of increasing antimicrobial resistance" organised by the International Society of Antimicrobial Chemotherapy on 21 March 2024
- xl.iii. International conference on "Vaccines and antimicrobial resistance: from science to policy" organized by the Royal Society at 6-9 Carlton House Terrace London SW1Y 5AG on 29 – 30 April 2024.
- xl. iv. The International Conference on Antimicrobial and Antibacterial Agents, held on 4 to 5 July 2024 at the World Heritage Waterfront, Liverpool, UK. Paper presented: "Comparative Phytochemical and Antimicrobial Analyses of *Siphonochilus aethiopicus* and *Monodora myristica*".

H. Current Research Activities

- i. Characterization of lactic acid bacteria with probiotic properties from honey produced by *Apis mellifera* and the evaluation of their antimicrobial potentials against microorganisms of medical significance.
- ii. *In vitro* antimicrobial activity of selected African honeys on multidrug-resistant (MDR) waterborne microbial pathogens.
- iii. Isolation and characterization of lactic acid bacteria with probiotic potentials from fermented *Irvingia gabonensis* and *Citrullus colocynthis* seeds.

I. Current Relevant Information

1. Services within the Department

- | | | |
|-------|--|--------------------|
| i. | Member, Students Disciplinary Committee | 2019 - 2021 |
| ii. | Member, Curriculum Review Committee | 2019 - 21; 2022/23 |
| iii. | Chairman, Students Disciplinary Committee | 2020 - 2021 |
| iv. | Chairman, Department Research Committee | 2020-2021 |
| v. | Chairman, Curriculum Review Committee | 2020-2021 |
| vi. | Chairman, Strategic Planning Committee | 2020 to date |
| vii. | Postgraduate Coordinator, Department of Microbiology | 2022/2023 |
| viii. | Chairman, Curriculum Review Committee | 2023 to date |

2. Services within the Faculty

- | | | |
|------|---|-----------------------|
| i. | Sub-Dean, Faculty of Science | 2019 to May 2021 |
| ii. | Chairman, Faculty Strategic Planning Committee | Aug. 2020 to date |
| iii. | Chairman, Faculty Committee on Innovative and Foundational Programmes | Aug. 2020 to date |
| iv. | Chairman, Faculty Curriculum Committee | June 2021 to date |
| v. | Vice Dean, Faculty of Science | June 2021 – June 2023 |
| vi. | Chairman, Local Organizing Committee, 1st Faculty of Science Conference | April 2022 |

3. Services within the University

- | | | |
|------|---|------------------|
| i. | Member, University Curriculum and Examinations Committee | May 2021 to date |
| ii. | Chairman, University Adjunct Lecturers' Remuneration Committee | Feb. 2022 |
| iii. | Committee for the Enhancement of Learning and Teaching Facilities at Odosida Campus | Sept 2022 |

4. Services outside UNIMED

- | | | |
|-------|--|----------------|
| i. | Member, Departmental Examination Committee, OOU | 2008-2013 |
| ii. | Member, Task Force Committee on School fees, OOU | 2009-2013 |
| iii. | Departmental Academic Secretary, OOU | 2007-2013 |
| iv. | Member, Faculty Seminar Committee, NWU, South Africa | Apr.-Dec. 2013 |
| v. | Departmental Time-table Officer, OOU | 2010-2016 |
| vi. | Member, Departmental Accreditation Committee, OOU, Nigeria | 2014/2015 |
| vii. | Member, Accreditation Committee in Southwestern University Nigeria | 2015/2016 |
| viii. | Departmental Coordinator, Centre for Continuing Education, OOU | 2011-2016 |
| ix. | Member, Accreditation Committee in Southwestern University Nigeria | 2015-2016 |
| x. | Ag. Dean, College of Natural and Applied Sciences | May-Oct. 2018 |

- | | | |
|-------|---|--------------------|
| xi. | Ag. Head, Dept. of Biological Sciences, Wesley University
Ondo | Feb.- Oct. 2018 |
| xii. | Chairman, Wesley University Staff Audit Committee | Aug. 2018-May 2019 |
| xiii. | Member, University Conversion Programme Committee | 2018-2019 |
| xiv. | Member, University Task Force on School Fees | June 2018-May 2019 |

J. Contributions to Knowledge

I have contributed to knowledge locally and internationally through conferences, workshops, research, training, and publications. My research area encompasses medical and public health microbiology, microbial food safety and security, and microbial genetics and molecular microbiology. I have researched the detection and molecular characterization of bacteriocins from food and plant products; application of bacteriocins in medicine, food preservation, and public health; molecular detection of virulence genes from environmental samples (including soil, water, and food samples) with the aim of profiling the antibiotic resistance patterns of associated bacteria. My research findings on food safety and quality are of tremendous benefit to members of the public - both literate and illiterate, especially food handlers and vendors, and consumers. My research also enlightens the public health and medical personnel on drug-resistant strains of microbes of clinical significance and those associated with water sources and ready-to-eat foods, thereby influencing the choice of drugs to administer to concerned patients. My research findings are very vital in government policy on public health. Presently, I investigate different African plants' medicinal properties for their phytochemical constituents, anticancer potentials, and antimicrobial effects against potential pathogens of clinical and public health significance. An intervention study on the prevalence, genomic characteristics and antimicrobial resistance profiles of *Vibrio cholerae* is also ongoing. Furthermore, I believe that teaching is a critical part of being a productive scientist, and to date, graduate students have played a very important role in my academic development. I involve students in every aspect of my research, from testing hypotheses to polishing a manuscript for peer review. I serve as an editorial board member, academic editor, and peer reviewer for several biomedical and life science journals.

Signature:  **Date:** 13 July 2024.