

CURRICULUM VITAE FORMAT FOR ACADEMIC STAFF OF THE UNIVERSITY

A. Personal Data

1. Full Name: Dr. (Mrs.) OLUWAFEMI, Yinka Doris
(**NEE FAGBOHUNGBE**)
2. Date of Birth: 9th August, 1975
3. Details of Contact Address: Department of Microbiology,
University of Medical Sciences, Faculty
of Science, P.M.B 536, Laje Road Ondo
City, Ondo State Nigeria.
 - (a) E-mail address (es): yinka104@yahoo.com,
yluwafemi@unimed.edu.ng
 - (b) Mobile Phone Number(s): 08036333877/08064475260
4. Nationality: Nigerian
5. State of Origin: Ondo State
6. Local Government Area : Ondo West
7. Permanent Home Address: 26, Lafe Inn Akure, Ondo State Nigeria
8. Marital Status: Married
9. Number of Children and their Ages: Two (11 years and 9 years)
10. Next of Kin: Mr. Oluwafemi Adesola Adegbulugbe
11. Details of Contact Address of Next of Kin: 26, Lafe Inn Akure, Ondo State
Nigeria
 - (a) E-mail address (es): femsol001@yahoo.co.uk
 - (b) Mobile Phone Number(s): 08064475260
12. Date of Assumption of Duty: 30/12/2015
13. Rank/status on First Appointment: Lecturer I
14. Present Status: Senior Lecturer
15. Date of Last Promotion: October 2020
16. Present Salary, Grade Level and Step: Senior Lecturer CONUASS 5 Step 3
17. Date of Confirmation of Appointment: 30/12/2018
18. Faculty/Directorate: Faculty of Science
19. Department/Unit: Microbiology

B. Educational Background

1. Higher Educational Institutions Attended with Dates:
 - a. Federal University of Technology Akure. (Ph.D. in Food Microbiology)
2011 – 2015

- b. Federal University of Technology Akure. (Master of Technology in Food Microbiology) **2008 – 2010.**
 - c. Federal University of Technology Akure. Post Graduate Diploma in Food and Industrial Microbiology **(2005 – 2006).**
 - d. Federal University of Technology Akure. HND in Microbiology/Parasitology) **2000- 2002.**
 - e. Federal University of Technology Akure in conjunction with Nigerian Institute of Science and Technology (NIST) (HND in Microbiology/Virology) **2000 – 2002.**
 - f. Federal University of Technology Akure. (National Diploma in Science and Laboratory Technology) **1997- 2000**
2. Academic/Professional Qualifications and Distinctions Obtained with Dates:
- a. Federal University of Technology Akure. (Ph.D. in Food Microbiology) **2011 – 2015**
 - b. Federal University of Technology Akure. (Master of Technology in Food Microbiology) **2008 – 2010.**
 - c. Federal University of Technology Akure. Post Graduate Diploma in Food and Industrial Microbiology **(2005 – 2006).**
 - d. Federal University of Technology Akure. HND in Microbiology/Parasitology) **2000- 2002.**
 - e. Federal University of Technology Akure in conjunction with Nigerian Institute of Science and Technology (NIST) (HND in Microbiology/Virology) **2000 – 2002.**
 - f. Federal University of Technology Akure. (National Diploma in Science and Laboratory Technology) **1997- 2000**
3. Other Distinctions and Awards with Dates:
- (a) Scholarship -Nil
 - (b) Fellowship - Nil
 - (c) Research Grants: Co –applicant (Seedling Laboratory Award)
 - (d) National Awards - Nil
 - (e) International awards- Nil

C. Work Experience with Dates

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

Employer 1: Zhuleeat Royal Scholars Hall,
11 Aderemi Street, off Alaja road, Power line, Megida
Ayobo, Lagos State.

Duration: 2006-2010

Post held: - Instructor/Teacher
Responsibilities: - Teaching/ Mentoring

Employer 2: Beta Medical laboratory, 2 Hospital road, Ondo State.

Duration: 2003 - 2006

Post held: - Technology II

Responsibilities: - Registration of out/in patient's samples
- Media preparation
- Gram's and Acid-fast staining
- Blood sample collection

(e) **Employer 3:** Rotech Cyber café International Ltd.

152 Akowonjo road, Egbeda, Lagos State Nigeria

Duration: **2002-2003**

Post held: -Managing Director

Responsibilities: -Management of the Computer Centre
-Type documents for customers

(f) **Employer 4:** Beta Medical Laboratory, 2 Hospital road, Ondo State.

Duration: 1999

Post held: Industrial Trainee

Responsibilities: - Registration of out/in patient's samples
- Microscopy, culture and sensitivity test
- Checking of PCV level and Blood count
- Media preparation
- Gram's and Acid-fast staining
- Blood sample collection

2. Previous Work Experience in Other Universities

Employer 1: Department of Biological Sciences.

Elizade University, P.M.B. 002, Ilara-Mokin, Ondo State, Nigeria.

Duration: 2015

Post held: Lecturer II

Responsibilities: - Teaching, Invigilation of tests/examination
- Coordination of practical
- Other academic duties as allotted

Courses Taught/Professional Duties:

MCB 201–General Microbiology

MCB 305–Mycology

(b) Employer 2: Department of Microbiology.
Federal University of Technology, Akure, Ondo State.
Nigeria.

Duration: 2014-2015

Post held: Teaching Assistant

Responsibilities:

- Teaching, Invigilation of tests/examination
- Coordination of practical
- Assessment of practical report
- Other academic duties as allotted

Courses Taught/Professional Duties:

- MCB 201 – General Microbiology (Practical)
- MCB 202 – General Microbiology (Practical)
- MCB 502 –Food Microbiology (Practical)

3. Work Experience at the University of Medical Sciences, Ondo (2015 till date)

Previously at University of Medical Sciences, Ondo City, Ondo (2015 till date Session).

Teaching and assessing the following courses:

| Course Code | Course Title & Units | Units taught |
|--------------------|---|---------------------|
| BIO 110 | General Biology (3) | 1.0 |
| BIO 120 | General Biology (3) | 1.0 |
| BIO 222 | Introductory Ecology (3) | 1.5 |
| MBL 211 | Introductory Microbiology (3) | 1.0 |
| AEB 212 | Introduction to land and atmospheric pollution(2) | 1.0 |
| AEB 213 | Aquatic pollution (2) | 1.0 |
| MBL 222 | General Microbiology (3) | 1.0 |
| MBL 222 | Basic Techniques in Microbiology(3) | 1.5 |
| MBL 311 | Bacterial Diversity (3) | 1.5 |
| MBL 313 | Microbial Physiology and Metabolism (3) | 1.5 |
| MBL 312 | Microbial Ecology (3) | 1.5 |
| PBT 315 | Mycology (3) | 1.5 |
| MBL 321 | Food Microbiology (3) | 1.5 |
| MBL 411 | Pathogenic Microbiology (3) | 1.0 |
| MBL 412 | Industrial Microbiology (3) | 1.0 |
| BIO 413 | Biogeography (3) | 1.5 |

| | | |
|----------|--|-----|
| MBL 412 | Industrial Microbiology (3) | 1.5 |
| MBL 421 | Advance Food Microbiology (3) | 1.5 |
| MBL 422 | Pharmaceutical Microbiology (3) | 1.5 |
| AEB 427 | Environmental Pollution and Toxicology (2) | 1.0 |
| MBL 421 | Advance Food Microbiology (3) | 1.5 |
| MBL 421 | Advance Food Microbiology (3) | 1.5 |
| AEB 427 | Environmental Pollution and Toxicology (2) | 1.0 |
| MBL 422 | Pharmaceutical Microbiology (3) | 1.5 |
| STM 224 | Biological Laboratory Technique (2) | 1.0 |
| PBT 424 | Industrial Biotechnology (2) | 0.7 |
| MBL 398- | Seminar (3) | 3.0 |
| MBL 399 | Industrial Attachment II | 3.0 |
| MCB 499 | Research Project (6) | 6.0 |

Undergraduate Supervision in the University

| | |
|------------------|-------------|
| Project Students | 10 Students |
| Seminar Students | 18 Students |
| SIWES Students | 30 Students |

Postgraduate Supervision/Co-supervision: One (1) Ph.D student
M.Sc: One (1) student

4. Courses Taught Within the Current Academic Session

Undergraduate

| Course Code | Course Title & Units | Units taught |
|------------------------|---------------------------------|---------------------|
| <u>First Semester</u> | | |
| MCB/STM 211 | Introductory Microbiology (2) | 1.0 |
| MCB 311 | Bacterial Diversity (3) | 1.5 |
| MCB 411 | Pathogenic Microbiology (3) | 1.5 |
| <u>Second Semester</u> | | |
| MCB 421 | Advance Food Microbiology (3) | 1.5 |
| MCB 423 | Quality Assurance (2) | 1.0 |

B.Sc Conversion Programm SLT/MICROBIOLOGY DEPT

| <u>First Semester</u> | | |
|-----------------------|-------------------------|-----|
| STB 314 | Ecology (3) | 1.5 |
| MCB/STM 311 | Bacterial Diversity (3) | 1.5 |

Postgraduate

| | | |
|------------------------|---|-----|
| <u>First Semester</u> | | |
| MCB 713 | Fermentation Technology (2) | 1.0 |
| MCB 716 | Introductory Mycology (3) | 1.5 |
| MCB 811 | Biotic Food (3) | 1.5 |
| MCB 813 | Advanced Medical Bacteriology and Mycology(3) | 1.5 |
| MCB 819 | Applied Enzymology (3) | 1.5 |
| MCB 890 | Seminar (2) | 2.0 |
| <u>Second Semester</u> | | |
| MCB 722 | Applied Microbiology (3) | 1.5 |
| MCB 723 | Bacteriology (3) | 1.5 |
| MCB 825 | Advanced Ind. Microbiology and | 1.5 |
| MCB 828 | Biotechnology 3 | 1.5 |
| MCB 899 | Advanced Food Processing (3) | |
| | Research Project (6) | 6.0 |

5. Graduate Student Supervision Within Current Session: Ph.D One (1) Co-supervision
M.Sc: One (1)
6. Current Undergraduate Supervision. Four (4) students

D. Membership of Professional Bodies:

American Society of Microbiology (ASM)
 Organization for Women in Science for the Developing World (OWSD)
 European Congress of Clinical Microbiology and Infectious Diseases (ECCMID)
 Nigerian Women in Agricultural Research for Development (NiWARD)
 Nigerian Society of Microbiology (NSM)
 Associate Member NISLT
 Mycotoxicology Society of Nigeria (MSN)
 Society for Applied Microbiology (SfAM)

E. Publications:

i. Thesis/Dissertation:

- Assessment of Nutraceutical and Enzymes Production Potentials of *Trametes* Species Collected from Different Locations in Ondo State, Nigeria. (Ph.D, 2015).
- Production of Amylase, Cellulase and Protease by Oyster Mushroom on Some Agricultural wastes. (M. Tech., 2010).
- Effect of some Preservatives on the Growth and Aflatoxin production of *Aspergillus flavus*. (PGD, 2006).

- Effect of Extracts of *Anarcadium occidentales* (Cashew) on the Growth of Some Bacteria. (HND, 2002)

iv. Published Journals Articles

1. Akinyele, B.J, Arotupin, D. J and **Fagbohunbe, Y. D. (2010)**. Production of Amylase, cellulase and Protease by Oyster Mushroom on Some Agricultural wastes *Pleurotus ostreatus*. *Applied Tropical Agriculture* 15: 22-29. **(Nigeria)**
2. **Fagbohunbe, Y.D** and Oyetayo, V.O. **(2014)**. Phytochemical and Antioxidant Properties of *Trametes* species Collected from Three Districts of Ondo State Nigeria. *Research and Review in Bioscience* (RRBS) 9, (10), 2014 (345-350). **(Japan)**
3. **Oluwafemi, Y. D.,** Oyetayo, V.O., Ojokoh, A. O. and Bamidele, O. S. **(2015)**. Bioconversion of Some Agricultural Wastes and Associated Enzymes by *Trametes* species: A Wild Mushroom. *International Journal of Sciences: Basic and Applied Research (IJSBAR)*. 19, (2) pp 295-305. **(Hashemite Kingdom of Jordan)**
4. Olaniyi, O.O., Ekundayo, T.C., Igbe, O.F and **Fagbohunbe Y.D. (2015)**. Influence of cultural and nutritional factors on beta-mannanase production by *Penicillium italicum* under submerged state fermentation. *British Microbiology Research Journal*. Volume 5 (6): 481-489. **(India)**
5. Adeleke, B.S., Ojo, S.O., **Oluwafemi, Y.D** and Olaniyi, O.O. **(2017)**. Chemical Mutagenesis of *Bacillus subtilis* for Improve Mannanase Biosynthesis. *Journal of Microbiology* 3 (2): 1-6. **(India)**
6. Anyakudo, M.M.C., Ogunjimi, F. O., Ojo, O. A. and **Oluwafemi, Y. D. (2017)**. Hepatotoxicity of High Protein Diet in Diabetic Rats: An Indication for a Necessary Dietary Precaution. *EC Nutrition* 7.5: 195-202. **(United Kingdom)**
7. **Oluwafemi, Y.D. (2018)**. Comparative Phytochemical Screening of *Trametes* species: A Wild Mushroom Collected from Ondo State Nigeria. *SF J Mycology* 1:4. 1-6 (**United Kingdom**)
8. Ekundayo, E.A., Akharaiyi F.C., Ekundayo, F.O. and **Oluwafemi, Y.D. (2018)**. *In vitro* interactions of fungal isolates obtained from selected soil samples in Ado-Ekiti Metropolis and their tolerance to selected fungicide and heavy metals. *International Journal of Current Microbiology and Applied Sciences* 7(3): 3573-3585. **(India)**
9. Anyakudo, M.M.C., Afolayan, B.M. and **Oluwafemi, Y.D. (2019)**. Zinc-Supplemented Diet Ameliorates Renal Lesion with Concomitant Reduction in

Body Mass Index and Enhanced Glycemic Control in Experimental Diabetic Rats". *EC Nutrition* 14.10: 816-823. **(United Kingdom)**

10. Oyeyemi, O.T., Oyeyemi, I.T., Adesina, I.A., Tihamiyu, A.M., **Oluwafemi, Y.D.**, Nwuba, R.I., and Grenfell, R. F. Q (2019). Toxoplasmosis in pregnancy: a neglected bane but a serious threat in Nigeria. *Journal of Parasitology* Cambridge University Press. pp. 127-134. **(United Kingdom)**
11. Bello, O.O., Bello, T.K., Fashola, M.O. and **Oluwafemi, Y.D. (2019)**. PMicrobial quality of utility water at universities in Nigeria. *Malaysian Journal of Microbiology*, 16 (5): 353-363. **(Malaysia)**
12. Olusola-Makinde, O.O and **Oluwafemi, Y.D. (2020)**. Influence of Solid State Fermentation Technology on Bush Mango (*Irvingia gabonensis*) Seed Cotyledons; Proximate and Microbial Quality". *EC Microbiology* 16.7: 47-55. **(United Kingdom)**
13. Adesina, I. A., **Oluwafemi, Y. D.**, and Adebote, I. A. (2020). Probiotic Beverage From Fluted Pumpkin Leaf Juice Fermented with *Pediococcus pentosaceus* IO1. *Annals. Food Science and Technology*. 21(2):310-314. **(Romania)**
14. Ekundayo, T.C., Igere, B. E, **Oluwafemi, Y. D.**, Iwu, C. D. and Olaniyi, O. O. (2021). Human norovirus contamination in water sources: A systematic review and meta-analysis. *Environmental Pollution* 291(8): 118164. **(United Kingdom)**
15. Ekundayo, T.C., Igwaran, A., **Oluwafemi, Y. D.**, and Okoh, A.I. **(2021)**. Global bibliometric meta- analytic assessment of research trends on microbial chlorine resistance in drinking water/wastewater treatment systems. *Journal of Environmental Management*. 278, (2): 11164. **(Philippines)**
16. 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 (Elsevier). **(United Kingdom)**
17. Oyeyemi, O.T., Oladoyin, V.O., Akunlola, O.A., Mosobalaje, A., Oyeyemi, I.T., Adebimpe, W.O., Nwuba, R.I., Anuoluwa, I.A., Tihamiyu, A.M., Ovuakporie-Uvo, O.O., Adesina, I.A., Olatunji, P.B., Kone, J.K., **Oluwafemi, Y.D.**, Obajaja, C.O and Ajiboye., A.A (2022) COVID-19 pandemic: an online-based survey of knowledge, perception, and adherence to preventive measures among educated Nigerian adults. *Journal of Public Health* 30 (6), 1603-1612. **(Switzerland)**

18. Tihamiyum, A.M and **Oluwafemi, Y.D** (2022). Talinum Triangulare (Water Leaf): What a Wonderful Plant? *Journal of Biotechnology Research*. ISSN(e): 2413-3256, ISSN(p): 2413-8878, 8, Issue. 2, pp: 26-31, 2022. **(Iraq)**
19. Ekundayo, E.A, Ogunmefu, O.T., Shobanjo, T.O, Anuoluwa, I.A, Oso, A.O, **Oluwafemi Y.D** and Akharaiyi, F.C (2022). Preliminary study on the effects of carbendazim on fungi isolated from crop soil samples obtained from Afe Babalola University and Ado-Ekiti farm. *Journal of Plant Pathology & Quarantine* 12(1): 40–46 ISSN 2229-2217. **(China)**
20. Oyeyemi, O.T., Oyeyemi, I.T., Alamukii, N.A., Kone, J.K., Oyerinde, O.R., Anuoluwa, I.A., Ovuakporie-uvu, O.O., Adesina, I.A., **Oluwafemi, Y.D.**, Ogoanah, S.O and Tihamiyu, A.M. (2022). Cryptosporidium and colorectal cancer: a review of epidemiology and possible association. *Forum of Clinical Oncology* 12(2): 1-10 **(Poland)**
21. Adesina, I.A and **Oluwafemi, Y.D (2022)**. Antibacterial Activity of Cell-Free Culture Supernatant of Bacteriocinogenic *Pediococcus pentosaceus* IO1 against *Staphylococcus aureus* Inoculated in Fruit Juices. *J. Food Qual. Hazards Control*; 9 (3) :130-136. **(Iran)**
22. 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. **(Egypt)**
- v. Edited and Refereed Conference Proceedings**
23. **Oluwafemi, Y.D.**, Oyetayo, V.O., Jeff-Agboola, Y.A., and Adesina, I.A **(2017)**. Phytochemical, Antimicrobial and antioxidant Potential of a Wild Mushroom (*Trametes* species) collected from Bolorunduro Ondo, State, Nigeria. 3rd International Conference and Exhibition (OWSD- BIU) held at Federal University Akure, Ondo State. Pp 924-931. **(Nigeria)**
24. Ekundayo, E.A., Iniworikabo, D.S., Ekundayo, F.O., Osibote, I.A., Akharaiyi, F.C., Asoso, O.O and **Oluwafemi, Y.D. (2017)**. Response of Thermophilic *Bacillus* species obtained from composite Soil Samples to Antibiotics and their antifungal properties. University of Benin, Edo State. 3rd International Conference and Exhibition (OWSD - BIU) held at Benson Idahosa University. Benin City, Edo State. Pp 967-973. **(Nigeria)**

vi. Article Accepted for Publication:

25. Bello, O.O., Akinpeloye, B.O., Bello, T.K., **Oluwafemi, Y.D** and Osungbemi, B.W. (2023). Evaluation of Physicochemical Properties and Bacterial Loads of

Selected River in Ondo State, Nigeria (Accepted by *Iranian Journal of Microbiology*). **(Iran)**

26. Adeyomoye, O.I., Adero, J.A., Elekofehinti, O., Adetunji, B.J., Olugbemi, O., Adetunji, C.O and **Oluwafemi, Y.D** (2023). TGR5, GLP-1, and GIP expression in diabetic Wistar rats in response to *Ficus exasperata* Vahl leaf extract. (Accepted by *Molecule*). **(Switzerland)**.

vii. Manuscript Submitted for Publication

1. **Oluwafemi, Y.D.**, Igere, B.E.; Ekundayo, T.C.; Ijabadeniyi, O.A (2023). Prevalence of *Listeria monocytogenes* in milk in Africa: a generalized logistic mixed-effects and meta-regression modeling. *Scientific Reports* volume 13, 12646.
2. Bello, O.O., Martins, F. T., Bello, T. K., **Oluwafemi, Y. D.**, Anuoluwa, I. A., Anyakudo, M. M., and Ajagunna, A. M (2023) Significance of Bacterial Biofilm: A Public Health Perspective (Submitted to *Acta Microbiologica Bulgarica*).

viii **Creative Work:** Soap production

ix. **Technical Reports**

x. **Papers and Work in Progress:**

- i. Effect of Fermentation on the Proximate and Anti- Nutrient Composition of Pawpaw (*Carica papaya*) Peels
- ii. Analysis of Yeast of Isolated from Garden soil for Bio-fertilizer

F. Professional Accomplishment:

- My research interest in Food Microbiology has been utilized successfully in training and supervision of students.
- My research explores the potential of *Pleurotus ostreatus* and *Trametes* species for producing specific hydrolytic enzymes important for food manufacturing industries.
- Many agricultural wastes have been turned to wealth as additives for the production of hydrolytic enzymes.

- Through collaborations with diverse experts, I gained interdisciplinary insights that led to a successful seedling lab grant award, furthering research in Microbiology.
- As chairperson of the local organizing committee for the Mycotoxicology Society of Nigeria Annual Conference held on 23-26 October, 2023, I led a team of volunteers to successfully host a groundbreaking event with three hundred attendees, garnering positive feedback for its high-quality presentations. This experience honed my leadership skills, project management expertise, and ability to build bridges across diverse stakeholders."
- Through teaching of students and supervision of their project work, some of employable students have been mentored and these students are doing very well in their place of employment. At UNIMED for instance, one of my students is employed as Graduate Assistant in the Department of Microbiology.
- The opportunity of attending and presenting paper at conferences has improved my research methods and approaches which has been the help in training of my students.

G. Conferences, Seminars and Workshops Attended with Dates:

- i. Akinyele B. J., Arotupin D. J **and Fagbohunbe Y. D. (2009)**. Production and Purification of Beta-Amylase from the Mushroom, *Pleurotus ostreatus*. Annual National Conference and General meeting of Nigerian Society of Microbiology, held in Osun State University, Osogbo.
- ii. **Fagbohunbe, Y. D.** and Oyetayo, V.O. **(2014)**. Phytochemical and antioxidant properties of *Coriolopsis polyzona*: A wild Macro fungus collected from Ondo State Annual National Conference and General meeting of Scientific Research and Technology Transfer: Catalyst for industrial Development, held in Federal University of Technology, Akure, Ondo State.
- iii. **Fagbohunbe, Y.D (2015)**. Evaluation of pharmacological potentials of a Mushroom (*Trametes* species) collected from Ondo, Ondo State, Nigeria. 2nd International Conference and Exhibition: Woman in Science for World Security, Federal University of Technology, Akure, Ondo State..

- iv. 1st ERHI-UNIBEN AREF Research Leadership Development Workshop at University of Benin 2019
- v. Regional Workshop title: Strengthening Innovation Ecosystems In west and Central Africa at University of Benin 2019
- vi. Short course on Strengthening Innovation Ecosystems in Universities in West and Central Africa held at University of Benin 2019
- vii. One day workshop on Modern Biotechnology and The Society held at Federal University of Technology, Akure, Ondo State. 2019.
- viii. **Oluwafemi, Y.D** and Adesina, I. A (2017). Antimicrobial and Nutraceutical Potentials of a Wild Mushroom (*Trametes* species) Collected From Araromi, Ondo State, Nigeria. Beyond Petri dishes Building Capacity for applied Research: Young Microbiologists Conference held in Babcock University Ilishan–Remo, Ogun State, Nigeria.
- ix. A webinar on “Scopus, Mendeley, Researcher Academy Training” on 30 April 2020 (Harare, Pretoria).
- x. A webinar on “The Book Publishing Process: An Elsevier Author Workshop” on 3 June 2020 (Harare, Pretoria).
- xi. A webinar on “Article Publishing Process: An Elsevier Author Workshop” on 1 June 2020 (Harare, Pretoria).
- xii. International Webinar on Researcher Academy on Campus Author workshop The Book Publishing Process: An Elsevier Author Workshop held in Europe/ Amsterdam June 2020.
- xiii. International Webinar on "Global Food Security in post COVID Era" Organized by Faculty of Sciences, Bareilly College, Bareilly in association with ASIAN PGPR Society India May2020.
- xiv. International Webinar on “Challenge and Prospects in Higher Education in Global Pandemic” organized by Bareilly College, Bareilly (U.P) India May2020
- xv. “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.
- xvi. Training on Mendeley Reference Management System organized by the University of Medical Sciences, Ondo on 2 March 2021.

- xvii. Workshop on use of HINARI/Research4Life platform & Literature searching organized by the University of Medical Sciences, Ondo on 2 March 2021.
- xviii. "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.
- xix. 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.
- xx. A webinar on "Scopus, Mendeley, Researcher Academy Training" on 30 April 2020 (Harare, Pretoria).
- xxi. 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.
- xxii. 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.
- xxiii. Second Conference of the Nigerian Bioinformatics and Genomics Network held at Lanmark University, Omu Aran, Kwara State from 11-13 October 2021.
- xxiv. Workshop on Teaching and Learning in Higher Education (Improving Pedagogical Teaching Skills) from 23 -25 November 2021 at the UNIMED Auditorium, Odosida Campus.
- xxv. 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.
- xxvi. A day workshop on Basic Molecular Technique on June 2022 Organised by the Department of Physiology held at University of Medical Sciences, Ondo State.
- xxvii. Two days workshop on Animal Care and Use in Research, Education and Testing organized by ACURET-UNIMED Ondo animal Ethics Training program on June 2022 held at University of Medical Sciences, Ondo State.
- xxviii. Jeff-Agboola Y.A., Jeff-Agboola E. O., Gbenga-Fabusiwa F. J.,Ekundayo E. A., Jeff-Agboola L. O.Anuoluwa I. A. and **Oluwafemi, Y. D.** (2022) "In-Vitro Efficacy of Some Spices Against Toxigenic *Aspergillus flavus*" has been

accepted at 15th Annual Conference and Workshop of the Mycotoxicology Society of Nigeria (MSN) to be hosted by Confluence University of Science and Technology, Osara, Kogi State, Nigeria between the 4th and 7th October,

- xxix. Anyakudo, M.M.C., **Oluwafemi, Y. D.** and Jeff-Agboola, Y. A. (2022). Food processing: Benefit and implication on health – A need for sustainable biotechnology. A conference organized by the University of Lagos Alexander von Humboldt Kolleg 2022. 6-9 November 2022.
- xxx. A day workshop on Basic Molecular Technique held at University of Medical Sciences,
Ondo State (June, 2022).
- xxxi. **Oluwafemi, Y. D.**, Bello, O. O. and Anyakudo, M.M.C. (2022). Production of cellulase, amylase and protease from wheat bran, rice bran and palm kernel pericarp using a macrofungus, *Trametes* species. A workshop organized by the International Center for Genetic Engineering and Biotechnology, FUTA, 2022.
- xxxii. **Oluwafemi, Y. D.** (2023). Production and proximate composition of Ogiri-Okpei (*Prosopis africana*) Mesquite seed Condiment held at 1st LASU International Humboldt Conference scheduled to be held between 1-5 May, 2023. LASU, Lagos State.

H. Current Research Activities:

- Analysis of Yeast of Isolated from Garden soil for Bio-Fertilizer.
- Effect Of Fermentation on The Proximate And Anti-Nutrient Composition Of Pawpaw (*Carica Papaya*) Peels

I. Current Relevant Information

1. Services within the Department:

| | |
|---|-----------------|
| Examination officer | 2016-2017 |
| Departmental Registration officer | 2016- 2020 |
| Course adviser | 2016 –till date |
| Acted for the Head of Department, Biological Sciences | 2018- 2019 |
| Head of the Departmental Welfare Committee | 2018-2019 |
| Departmental SIWES Coordinator | 2019 till date |
| Member, Departmental Students Disciplinary Committee | 2019 till date |
| Member, Departmental Curriculum Review Committee | 2019 till date |
| Member, Departmental Students Disciplinary Committee | 2020 till date |
| Member, Department Research Committee | 2020 till date |

| | |
|--|----------------|
| Member, Departmental Curriculum Review Committee | 2020 till date |
| Member, Departmental Strategic Planning Committee | 2020 till date |
| Postgraduate Coordinator | 2020 – 2022 |
| Department of Science Laboratory Technology (Microbiology option) Coordinator | 2021- 2023 |
| Member, Departmental Laboratory Committee on Purchases | 2022 till date |
| Member, Departmental Staff/Student Relationship Committee | 2022 till date |
| Member, Departmental Research Committee | 2022 till date |
| Member, Students' Disciplinary Committee | 2022 till date |

2. Services within the Faculty

| | |
|--|----------------|
| Member of University Protocol Committee, | 2017 |
| Member of University Verification Unit and Accreditation committee, | 2017 |
| Member of Faculty Research Seminar Committee | 2017 |
| Member of Industrial Training Committee | 2019-2020 |
| Faculty of Science Representative on Board of Nursing Science | 2019 till date |

3. Services within the University

| | |
|--|--------------------|
| Acted for the Dean of Student's Affairs | 17-19 October 2016 |
| Member of University Musical group committee | 2018 |
| Member of Postgraduate Committee on Library and Publications | 2018 till date |
| Member of Postgraduate Committee on Financial | 2022 till date |
| Vice-Dean, Postgraduate School | 2022 till date |

4. Services outside **UNIMED**: Peer-reviewing for local and international journals

J. Contributions to Knowledge:

I have made the following significant contributions:

- I am passionate about Food Microbiology and its intersection with Medical and Public Health. My research explores the potential of *Pleurotus ostreatus* and *Trametes* species for producing specific hydrolytic enzymes important for food manufacturing industries.
- The research work has provided information on the enzymes produced by *Trametes* species that could be of important in food industries.
- The research suggests that this wild macro fungus could be source of effective photochemical and antioxidant.

- The composition of the wastes was observed to affect the quantity as well as the activity of the enzymes. Wheat bran had higher cellulase activity after 72h of fermentation. This was documented in the article.
- The nutritional and cultural factors obtained to be optimal from this study will help to design an experiment for maximum mannanase biosynthesis using cheaper substrates in place of commercial substrates known to be expensive for enzyme production.
- The research work has provided information on all the mutant strains generated from *B. subtilis* had their mannolytic activities repressed in comparison with the wild strain.
- It was documented in the research, high protein diet consumption induced hepatotoxicity in diabetic rats via distortion of liver ultrastructures and enzymatic profile.
- It was observed in the research and documented, a large number of phytochemicals belonging to several chemical classes have been shown to have inhibitory effects on all types of microorganisms in vitro. Mushroom products have been part of phyto-medicines since time.
- This research showed that *Trichoderma viride* was mostly resistant to the heavy metals and the lower the concentration, the higher the rate of growth of the fungi.
- The research work has provided information on zinc-supplemented diet ameliorated renal lesions with concomitant reduction in body mass index and enhanced glycemic control in male diabetic rats.
- The article has provided information on the importance of early diagnosis and treatment during pregnancy which may forestall subsequent development of infection in children delivered by infected mothers.
- It was revealed that the water used by students of studied universities was contaminated with potential bacterial pathogens. However, all physicochemical parameters tested were within the permissible standard limits and satisfied the requirements for domestic utility.
- The research work has provided information on the fermented seed cotyledons of bush mango can be employed as a low-cost, easily accessible high protein and low fat food for man and animals.
- It was revealed in the research and documented in the article, the fermented pumpkin leaf juice with *P. pentosaceus* IO1 is a good alternative functional food containing probiotics and it could serve as a healthy beverage for vegetarians and lactose-allergic consumers.

- The research work has provided information on public health efforts against waterborne diseases.
- The article has provided information on research activities related to fungal chlorine resistance and guide against exposure to waterborne pathogenic fungi and mycotoxins
- The research has reported the pooled prevalence of *L. hongkongensis* from food, human and environment. The aquatic foods and aquatic milieu harboured the pathogen as revealed with associated prevalence in aquatic products (amphibians) such as wild and cultured frogs. Thus, amphibians and aquatic products are potential vehicles for the transmission of the pathogen.
- Findings from this research have provided useful information on public health policy development and implementation for quick response to the COVID-19 outbreak in Nigeria.
- The article has provided information on the importance of *T. triangulare* leaves that contribute significantly to the health management of Man and animal.
- The research work has provided information on the effect of fungicide on fungi from five different soil samples. It was revealed that three fungal species were resistant to carbendazim. Among these fungal species, Trichoderma species were found to be most resistant to the fungicide.
- This article has provided information on the link between Cryptosporidium and colorectal cancer.
- It has been revealed in the research that the bacteriocin produced by *P. pentosaceus* IO1 could be used as a natural preservative in fruit juices which are susceptible to *S. aureus* and could meet consumers' demands for juices which are free of chemical preservatives.
- The research article has provided information on antimicrobial and the presence of various phytochemicals in the plant indicated that it has a high potential for possible drug production.
- The research work has provided information on antimicrobial and various phytochemicals in the mushroom indicated that it has a high potential for possible drug production.
- *Bacillus* species obtained from Composite Soil Samples to Antibiotics and their antifungal properties was revealed and documented in the research work
- This research revealed that the river waters investigated are mostly unfit for domestic purposes and was contaminated with potential pathogenic microbial species.

- The research work has provided information on traditional use of aqueous extract of *Ficus exasperata* Vahl leaf extract in the management of diabetes
- I have been able to Identify photochemical with unique biological activities, such as antimicrobial, antioxidant properties from wild mushroom (*Trametes* species) an underutilized macro-fungus collected from Ondo State.
- My research has also shown that fermentation could enhance the nutritional qualities of some food product.
- I have been able to contribute positively in the area of mushroom (*Pleurotus ostreatus* and *Trametes* species) for the production of hydrolytic enzymes. The enzymes are important in different food manufacturing industries.

The findings of these works are very vital in government policy on public health.



Signature:..... Date:15/06/2023