

## **CURRICULUM VITAE FOR DR. YEMISI A. JEFF-AGBOOLA**

### **A. Personal Data:**

1. Full Name (Surname first) JEFF-AGBOOLA, Yemisi Adefunke
2. Date of Birth 29<sup>th</sup> February, 1972
3. Details of Contact Address:
  - a. E-mail Address(es): yjeffagboola@yahoo.com, yjeffagboola@unimed.edu.ng
  - b. Mobile Phone Number(s): +2348036674706
4. Nationality Nigerian
5. State of Origin Ondo
6. Local Government Area Akure South
7. Permanent Home Address Shiloh Embassy Ave, Road C, Off Kolawole Esho Road, Behind Olu Foam off Ilesha/Owo Way Akure
8. Marital Status Married
9. Number of Children and their Ages 2 (24 and 22 years)
10. Next of Kin Tope. Jeff Agboola
11. Details of Contact Address of Next of Kin:
  - a. E-mail Address(es): [topejeffagboola@gmail.com](mailto:topejeffagboola@gmail.com)
  - b. Mobile Phone Number(s): +2348038253806
  - c. Permanent Home Address: Same as above
12. Date of Assumption of Duty 15/01/2016
13. Rank/Status of First Appointment Lecturer I
14. Present Status Reader
15. Date of Last Promotion 1/10/2020
16. Present Salary, Grade Level and Step ₦ 5,190,178.8(PA), Conuass 6 step 04
17. Date of Confirmation of Appointment 24<sup>th</sup> January, 2015
18. Faculty/Directorate Science
19. Department/Unit Science Laboratory Technology (Microbiology Unit)

### **B. Educational Background:**

1. Higher Educational Institutions Attended with Dates
  - a. Auburn University, AL, USA (2019-2020)
  - b. Faculty of Pharmaceutical Science Ghent University, Belgium 20<sup>th</sup> February-19<sup>th</sup> May, 2019
  - c. University of Missouri, Columbia, USA July -Dec, 2014
  - d. The Federal University of Technology, Akure, Nigeria. 2007-2012
  - e. The Federal University of Technology, Akure, Nigeria. 2005-2007
  - f. The Federal University of Technology, Akure, Nigeria. 2001-2004
  - g. The Federal Polytechnic Ado –Ekiti, Nigeria 1991-1996
  - h. Joseph Ayo Babalola University, Ikeji Arakeji 2020-2022

2. Academic/Professional Qualifications and Distinctions Obtained with Dates
  - a. PhD Food Microbiology (Mycotoxigenology) 25th July, 2012
  - b. M. Tech in Food Microbiology 3rd October, 2007
  - c. PGD in Food and Industrial Microbiology 9th June, 2004
  - d. Higher National Diploma Science Technology (Microbiology) 31st, October, 1996
  - e. B.Sc. Microbiology 2022
  
3. Other Distinctions and Awards with Dates
  - a. Scholarship- 2009 Post-Graduate Scholarship Grant Awarded by Ekiti State Government
  - b. Fellowship
    - i. 2019/2020 Fulbright African Senior Scholars Post-Doctoral Fellowship Auburn University, AL, USA (2019/20)
    - ii. 2019 Post-Doctoral Research Fellow Ghent University, Belgium
    - iii. 2018 peer review college member of UK Research and Innovation (UKRI)
    - iv. 2014 Post-Doctoral Research Fellow at Department of Animal Sciences, University of Missouri , Columbia, USA  
Post-Doctoral Fellow African Women in Agricultural Research and Development
    - v. Fellow Mycored 2010
  - c. Research Grants
    - i. Team Member, Grant Winner of the 2024 Alumni Engagement Innovation Fund (AEIF), “Ai for Educators” which was selected for 2024 funding of the United States Government Exchange Alumni Association (USGEAA) Nigeria and sponsored by the US Embassy Abuja.
    - ii. Team Member, Grant winner of the United States Government Exchange Alumni Association (USGEAA) Nigeria, Southern Region. project, "CARE: Creating Access, Reusability, and Education for Menstrual Health," proudly sponsored by the US Consulate, Lagos. The project is dedicated to addressing menstrual health challenges faced by girls and women in Igoba Community, Akure, Ondo State, and its adjoining communities. Grant Awarded in December 2023.
    - iii. Grant by International Society of Mycotoxigenology to speak as a Debate Panelist at the 14th conference of the World Mycotoxin Forum in Antwerp, Belgium on 9-11 October 2023.
    - iv. Team Member, Grant Winner of the British Council Innovation for African Universities (IAU) Partnership Programme. 2020/2021
    - v. Grant by the Applied Mycology Group within the School of Water, Energy and Environment at Cranfield University, UK to participate in workshop on aflatoxin mitigation strategies and future joint activities to reduce

- mycotoxins occurrence in African food commodities @ Cranfield University, UK on 19-24 March 2023
- vi. Award for Best Project – British Council Innovation for African Universities (IAU) Partnership Programme).
  - vii. 2022/2023 – Team Member; Grant Winner of the British Council Innovation for African Universities (IAU) Partnership Programme.
  - viii. 2019 Fulbright Grant, Auburn University, AL, USA- Grant on “Determination of Microbiological potential of some medicinal and aromatic plants indigenous to Nigeria in controlling pathogenic organisms in poultry” Fulbright African Research Scholars Program Award for 2019/2020 Fulbright African Research Grant was administered by the Bureau of Educational and Cultural Affairs, United States Department of State with the cooperation of the Institute of International Education US Government August 2019-March 2020 (\$ 23,850.00)
  - ix. Fulbright’s Outreach Lecturing grant Awarded by the Institute of International Education US Government to organize a community event at Jefferson State Community College, Alabama on March 3rd-5th 2020. (OLF Travel Award: \$300.00)
  - x. Fulbright’s Outreach Lecturing grant Awarded by the Institute of International Education US Government to organize a community event at University of Georgia, Athens and North Oconee High School, Athens on February 25th-26th, February 2020. (OLF Travel Award: \$900)
  - xii. Fulbright’s Outreach Lecturing grant Awarded by the Institute of International Education US Government for community programme (OLF) at Tompkins Cortland Community College, Dryden, USA on 4/12/2019
  - xiii. Fulbright’s Outreach Lecturing community programme (OLF) at Cornell University and Tompkins Cortland Community College, Dryden, USA on 4-5/12/2019 Awarded by the Institute of International Education US Government (OLF Travel Award: \$600)
  - xiv. Fulbright’s Outreach Lecturing community programme (OLF) at College of Agriculture, food and natural resources, University of Missouri, Columbia Missouri, on 25/12/2019 Grant awarded by the Institute of International Education US Government (OLF Travel Award: \$600)
  - xv. 12<sup>th</sup> Mini-Summit on Global Food Systems on October 27-29, 2019 at Auburn University, USA . Sponsored by College of Agriculture, Auburn University, USA Paper Read: The role of women in food safety management in Africa Fulbright Visiting Scholar

- xvii. Enrichment Seminar entitled “Preserving and Advancing Rural Economies” at Minneapolis, MN from Wednesday, November 13th through Saturday, November 16th, 2019. Sponsored by funds provided by the U.S. Department of State.
- xviii. The 62nd African Studies Association annual meeting, “Belonging and Becoming in Africa,” held in Boston, MA from November 21-November 24, 2019. Sponsored by funds provided by the U.S. Department of State.
- xix. 2019 postdoctoral Grant recipient of MYTOX-SOUTH and the Faculty of Pharmacy of Ghent University, Belgium
- xx. 2019 Grant to participate in UK Research and Innovation (UKRI) Global Challenges Research Fund (GCRF) global engagement programme at Radisson Blu Plaza Hotel Bangkok, Thailand, 12-14th February, 2019.
- xxi. 2018 Grant to participate in 2018 Belfast Summit on Global Food Integrity, UK, May 28-30, 2018
- xxii. Grant/Fellowship by the Research Councils UK (RCUK) through Global Challenges Research Fund (GCRF) to be among the 100 fellows drawn from different countries through a competitive proposal to attend the GCRF Global Engagement Meeting in Bogota, Colombia on Wednesday 4th – Friday 6th October 2017
- xxiii. 2017 Brigitte and Wolfram Gedek Travel and Financial Grant as a scholar on a collaborative research with Prof. Dr. Madeleine Gross, Junior Professorship of Institute of Veterinary Food Science, Justus Liebig-University, Giessen, Germany. As a Principal Investigator: “Occurrence, public health importance, prevention and control of mycotoxins in cocoa and cocoa products in South-West Nigeria”
- xxiv. 2016 Grant for participation in IITA Symposium of African Yam Bean on 18th October, 2016 at International Institute for Tropical Agriculture, Ibadan
- xxv. 2016 Traveling grant/fellowship to be a plenary guest speaker and present topics on; Education, Science and Technology for a Healthy, Safe and Friendly Environment at the 2016 Autumn Food Security and Safety (FSAS) Conference, at Resolution Circle, University of Johannesburg, South Africa on May 15-18, 2016.
- xxvi. 2016 Traveling grant/fellowship to participate in “World Congress on Root and Tuber Crops” gathering the Third Conference of the Global Cassava Partnership for the 21st Century and the 17th Symposium of the International Society for Tropical Root Crops, held in Nanning, Guangxi, China, Jan 18-23, 2016
- xxvii. 2015: One of the six (6) selected for fellowship and traveling grant from Nigeria out of thirty (30) scientists in Africa to attend the First South Africa

- Science Forum on 8-9 December 2015 at the CSIR ICC in Pretoria, South Africa.
- xxviii. 2014 Bertha Fink Opportunities for International Women Scholarship awarded by College of Agriculture, Food and Natural Resources, University of Missouri Columbia, USA to participate in the 2014 World Food Prize Event in Des Moines, Iowa from October 14-17.
  - xxix. Traveling Grant awarded by Bill and Melinda Gates Foundation to participate in 2014 Tenth Grand Challenges Program @ Westin Seattle, USA from October 5-8, 2014- on Putting Women and Girls at the Center of Development - focusing on a rigorous understanding of women's and girls' needs and preferences and gender inequalities and supporting new approaches to promote women's and girls' empowerment that will enhance the ability to achieve multiple health and development goals.
  - xxx. Traveling Grant awarded Globalgood Intellectual Ventures to participate in a collaboration meeting @ Intellectual Ventures, Camarasaurus Conference Room, Bellevue, WA, USA on December, 2nd 2014
  - xxxi. Traveling Grant awarded by Farm Journal Foundation to participate on a panel discussion topic, "Globally Positioning Agriculture" at 2014 Farm Journal Forum @ Washington DC, USA on 11th December, 2014.
  - xxxii. One of the five (5) Nigerians out of 28 outstanding Advanced Science Training Laureates from twelve (12) countries in Africa attached to centers of excellence for six months Post-doctoral research Training under the supervision of highly experienced, seasoned scientists. Sponsored by NOVUS International USA, Bill and Melinda Gates Foundation
  - xxxiii. 2013 President Fund Grant of £1,200.00 as Travel Grant Award by the Society For Applied Microbiology (SFAM) UK to Present a postal entitle" In-vitro antifungal activities of essential oil from Nigerian medicinal plants against toxigenic *Aspergillus flavus*" at the 35<sup>th</sup> Mycotoxin Workshop/conference held at Campus Schoonmeersen of the Ghent University College, Ghent, Belgium from May 22nd – 24th, 2013.
  - xxxiv. 2013 Travel Grant Award (\$3500.00) by The Society for General Microbiology to present an article entitled" Stability of Aflatoxin to boiling process in poultry meat fed with feed contaminated toxigenic *Aspergillus flavus*" at the 5th Congress of European Microbiologists (FEMS) Leipzig, Germany from July 21-25, 2013

d. National Awards

- i. 2015 Honorary Award of the Queen's Award for Agricultural Promotion by the Office of the Queen of Aso, Nigeria as outstanding contribution to promoting agricultural skills and attitudes in West Africa.

- ii. 2016 Ondo State female Role Model Award
  - iii. 2012 One of the 2012 YouWin Award Winners by Federal Government of Nigeria YouWin stands for Youth Enterprise with Innovation in Nigeria. It is an innovative business plan competition. The only Female YouWin Awardee from Ondo State, Nigeria in 2012
- e. International Awards
- i Fellow, Royal Society of Biology, 2023
  - ii 2015 Top Influencer Award from African Women in Agricultural Research and Development from the Women Scientist in West Africa Region
  - iii International Conference Committee Chair of International Applied Microbiology Conference 2021, 7 – 11 June 2021

### **C. Work Experience with Dates:**

1. Previous Work Experience outside the University System with Dates
  - i. 1998-1999 Fodet Technical Services, 133, Oba Adesida road Akure , Nigeria as sales Branch manager ( to overseas customers and stock management ( Computer hard and soft ware)
  - ii. 1994 Nestle Foods Nigeria LTD, Ilupeju Oshodi Sales Promoter
  - iii. 1994-1995 Onyx Pharama care LTD.1 Sobo Arobiodu St, G.R.A. Ikeja Lagos Nigeria one year Industrial Training
  - iv. 1993 Four Months Industrial Attachment Experience Nigeria Institute For Medical Research Yaba, Lagos(Public health and microbiology Laboratory
  - v. 1996-1997, Jigawa State General Hospital Dutse, Jigawa State (Microbiology/parasitology department) National Youth Service Corps.
2. Work Experience in other Universities
  - i. Department of Microbiology, Faculty of Science, Adekunle Ajasin University, Akungba Akoko, Ondo Sate, Nigeria-Sabbatical Appointment Associate Professor-1<sup>st</sup> March, 2023 till February 29<sup>th</sup> 2024.
  - ii. Poultry Science Department, Auburn University, USA-Fulbright Visiting Scholar, 2019/2020
  - iii. Feb-May, 2019: Post Doctoral Scholar at Faculty of Pharmacy of Ghent University, Belgium
  - iv. 2017: Invited Scholar at Institute of Veterinary Food Science, Justus Liebig-University, Giessen, Germany.
  - v. 2013 – 2016 Lecture II Department of Biological Sciences, Ondo State University of Science and Technology, Okitipupa, Nigeria.

- vi. 2014 Post-Doctoral Research Scholar at Department of Animal Sciences, University of Missouri, Columbia, USA July-December, 2014
- vii. 2015 Coordinator Centre for Gender Research and Linkage Programs, Ondo State University of Science and Technology, Okitipupa,( OSUSTECH) Nigeria
- viii. 2015 Ondo State University of Science and Technology, Okitipupa, (OSUSTECH) Orator
- ix. Deputy Examination officer for the Department of Biological Sciences (Microbiology Unit OSUSTECH)
- x. 2010-2013 Principal Technologist in Food Science and Technology Department, Federal University of Technology, Akure (FUTA), Nigeria. Teaching of practical courses(Food microbiology, food fermentation, principles of food nutrition,Nutrition evaluation of food processing) Supervision of undergraduate Examination, supervision of students laboratory work, caring for department
- xi. equipment and procurement of equipment, Collaborating with other Universities academic member in teaching and research work, Assessment and grading of students practical note, Contributing to the IGR in the Department April – June,
- xii. 2010 Visiting Scientist International Institute of Tropical Agriculture, Ibadan, Nigeria Maize pathology Laboratory ( Mycotoxin Research Lab). Three months short term training fellowship on Strategies for Worldwide Mycotoxin reduction in food and feed chains funded by the European Commission coordinated by the Institute for the Science of Food Production (ISPA), Bari, Italy in collaboration with International Institute of Tropical Agriculture Nigeria. **Role: principal investigator.** Project Title: Formulation for biological control of Aflatoxin
- xiii. 2007-2010 Senior Technologist Food Science and Technology Department, Federal University of Technology, Akure (FUTA), Nigeria: Teaching of practical courses, Involvement in research activities in the Department and other Departments in the University and outside the University.
- xiv. Safety assessment/Microbiological and mycotoxin analysis of different food and water samples for some industries (Nestle Foods, Matna Foods, Different water factories, Tuns Company, Oshogbo etc) in Nigeria as part of Internal generated revenue for the department and as an IPAN student member under the Tutelage of Prof. T.N. Fagbemi and Prof. Amoo FUTA
- xv. 2009-Till date Week end Instructional/Tutorial Facilitator in Faculty of Sciences at Akure and Ekiti study center of National Open University of Nigeria.

- xvi. 2003-2007 Technologist 1 Food Science and Technology Department, Federal University of Technology, Akure (FUTA), Nigeria.
- xvii. 2003-2005 Teaching of Science Laboratory Technology students in Radioisotopy, Techniques (400level), Cell biology (100L) and Biological Techniques (100 level)
- xviii. 1999-2003 Technologist 11 Food Science and Technology Department, Federal University of Technology, Akure (FUTA), Nigeria.

### 3. Work Experience in University of Medical Sciences

#### **a. Academic Experience**

- i. Reader of Food Microbiology and Mycotoxicology, Department of Microbiology, Faculty of Science, Adekunle Ajasin University Akungba Akoko, Ondo State, Nigeria -1<sup>st</sup> March 2023 – Till 29<sup>th</sup> February, 2024
- ii. Reader of Food Microbiology and Mycotoxicology, Department of Science Laboratory Technology, University of Medical Sciences, Ondo City, Ondo State, Nigeria -October 2022-till date
- iii. Reader of Food Microbiology and Mycotoxicology, Department of Biological Sciences, University of Medical Sciences, Ondo City, Ondo State, Nigeria -October 2020-2022
- iv. Senior Lecturer by Appointment January, 2017-till date:- Department of Biological Sciences, University of Medical Sciences, Ondo City, Ondo State, Nigeria
- v. Lecturer I- Department of Biological Sciences, University of Medical Sciences, Ondo City, Ondo State, Nigeria. January 2016-January

#### **b. Administrative Experience**

- i. Ag. Director UNIMED Akure campus, August 2022-February 2023
- ii. Ag. Director, Centre for Continuing Education, UNIMED August 2020 - February 2023
- iii. Chairperson, Task force Committee of UNIMED Akure Campus August 2021 February 2023
- iv. Senate Member, UNIMED, August 2020- February 2023
- v. Chairperson, UNIMED Special project committee 2018 -2020
- vi. Member, Post graduate curriculum development committee 2018-2021
- vii. Acting. Dean, Student Affairs, University of Medical Sciences, Ondo, Ondo State, Nigeria January 2015-April 2019
- viii. Senate Member, UNIMED January 2016 -April 2019
- ix. Chairperson, Student Welfare and Disciplinary Committee 2016-2017



- x. Coordinator of Student Debate committee 2016-2019
- xi. Member, UNIMED publication committee-2016-2017
- xii. Member, UNIMED ceremonial committee-2016-2019
- xiii. Member of LOC for organizing a certificate course on developing proposals for maternal mortality prevention in West Africa being hosted by the University of Medical sciences, Ondo City, Nigeria in collaboration with the World Bank Centre of Excellence in Reproductive Health Innovation (CERHI). at @ Information Centre Medical Village, UNIMED on May 2-12, 2016.
- xiv. Member, UNIMED committee on the establishment of health centre 2016-2017
- xv. Member, UNIMED direct labour Committee-2016-2017
- xvi. Member of the board of the proposed UNIMED International School of Public health-2016-2020
- xvii. Member, UNIMED scholarship and prize committee-2016-2017
- xviii. Member, Faculty of Science Research committee-2016 till date
- xix. LOC member for organizing short courses in master grant proposal writing and financial management in tertiary institutions 2016-2017

#### C. Professional Research Experience/Community Service

- i. Fellow, Royal Society of Biologists, UK, 2023
- ii. The Chair, International Applied Microbiology Conference 2021
- iii. Principal Investigator: “Microbiological potential of some medicinal and aromatic plants indigenous to Nigeria in controlling pathogenic organisms in poultry” at Poultry Science, Department, Auburn University, Alabama, USA
- iv. 2019- Principal Investigator: “mycotoxin and molecular characterization of mould in some fermented foods in Nigeria and “the role of Women in Food Safety Management in Africa” MYTOX-SOUTH Lab and the Faculty of Pharmaceutical Sciences, Ghent University, Belgium
- v. 2017-Principal Investigator: “Occurrence, public health importance, prevention and control of mycotoxins in cocoa and cocoa products in South-West Nigeria” Brigitte and Wolfram Gedek Financial Grant on a collaborative research with Prof. Dr. Madeleine Gross, Junior Professorship of Institute of Veterinary Food Science, Justus Liebig-University, Giessen, Germany, 2017
- vi. Principal Investigator: Boosting Female Farmers from Poultry Production in Nigeria-Bio-control of Aflatoxin, Grant by African Women in Agricultural Research and Development (AWARD) Post-Doctoral Research Fellowship.

AWARD is supported by the Bill & Melinda Gates Foundation, USAID, Agropolis Foundation, and the Alliance for a Green Revolution in Africa (AGRA). AWARD is a preferred service provider of the Consultative Group on International Agricultural Research (CGIAR), and is hosted by the World Agro forestry Centre

- vii. Principal Investigator: Efficacy of Toxiban MAX (TMAX) to reduce the toxicity of aflatoxin or a combination of mycotoxins in broilers. Research conducted and technical Report submitted to Animal Science Research Center, University of Missouri, Colombia Missouri, USA
- viii. YouWin Award Winners by Federal Government of Nigeria YouWin stands for Youth Enterprise with Innovation in Nigeria. Entrepreneurship project in bead and craft making with product development from natural and medicinal plant Research (2012)
- ix. Principal Investigator. Production and Formulation of Biological control agents from Agricultural waste material. European Commission Grant on Strategies for Worldwide Mycotoxin reduction (MYCORED) in food and feed chains funded by the European Commission coordinated by the Institute for the Science of Food Production (ISPA), Bari, Italy in collaboration with International Institute of Tropical Agriculture Ibadan, Nigeria.
- x. Assistant Project leader for gender advocate and short-term technical consultant to MADE in the development of a Gender Mainstreaming network-MADE Talk Group for the empowerment of smallholders female farmers in Niger-Delta Region, Nigeria. MARKET Development for the Niger Delta (MADE) is a DFID-funded development programme that uses a 'making markets work for the poor' (M4P) approach to generate pro-poor and inclusive economic growth in the non-oil sectors of the Niger Delta Region. 2015
- xi. Member of FUTA Research team on "Alternative to Potassium Bromate in Baking of Bread and Other Baked Product".

#### 4. Courses taught within the Current Academic Session

- a. Courses Taught at the Department of Microbiology, Faculty of Science, Adekunle Ajasin University, Akungba Akoko (Sabbatical Experience 2023-March-February 2024)
  - i. MCB 205-Bacteriology
  - ii. MCB 401-Principle of Epidemiology and Public Health
  - iii. MCB 403-Microbial Biotechnology
  - iv. MCB 405-Industrial Microbiology
  - v. MCB 301 Virology
  - vi. Project supervision

- vii. MCB 499-Seminar
    - b. Courses Taught at the Department of Science Laboratory Technology, Faculty of Sciences, University of Medical Sciences, Ondo City, Ondo State, Nigeria. June 2022 till date
      - i. STM 321 Food Microbiology
      - ii. STM 322 Introductory Virology
      - iii. STB 316 Molecular Biology
      - iv. STB 315 Mycology
      - v. STB 313 Biological Laboratory Techniques and Practice II
      - vi. STM 311 Bacterial Diversity
  - b. Courses Taught at the Department of Biological Sciences, Faculty of Sciences, University of Medical Sciences, Ondo City, Ondo State, Nigeria. 2021/2022
    - i. AEB 214 Waste Management
    - ii. MBL 413 – Industrial Microbiology
    - iii. PBT 315 : Mycology
    - iv. PBT 415: Host-Pathogen Relationship and Plant Disease Management
    - v. PBT 420 Process Biotechnology
    - vi. PBT 426 Intellectual Property Right And Bioethics
    - vii. PBT 422 Plant Pathology
    - viii. STB 224 Biological Laboratory Techniques I
    - ix. MCB/MBL 321 Food Microbiology
    - x. MCB 222/STM 222 Basic Techniques In Microbiology
    - xi. Supervision of undergraduate student projects and seminars
5. Graduate Student Supervision within Current Session
- i. Ph.D supervision of two Student, Department of Environmental and Occupational Health, School of Public Health, University of Medical Sciences, Ondo.
  - ii. M.Sc. supervision of four (4) students at School of Public Health-till date
  - iii. M.Sc. Supervision, one student, School of Public Health UNIMED-completed
  - iv. M.Sc. co-supervision, in Food Microbiology 2007, Department of Microbiology, Federal University of Technology, Akure, Nigeria.-Delivered
  - v. Ph.D co-supervision, Sotayo, Olufemi Peter, Department of Microbiology, University Of Lagos, Nigeria-till date
6. Current Undergraduate Supervision
- a. Supervision at the Department of Microbiology, Faculty of Science, Adekunle Ajasin University, Akungba Akoko (Sabbatical Experience 2023-March-February 2024)-four undergraduate Students-completed

b. Supervision at the Department of Biological Sciences, Faculty of Science,  
UNIMED ( 2022)- four students

c. External Examinership

(i) Undergraduate:

- Department of Science Lab Tech, Rufus Giwa Polytechnic, Owo 2019-2021
- Department of Biology, Faculty of Science, National Open University of Nigeria , Akure Study Centre, Nigeria 2018
- Department of Biology, Faculty of Science, National Open University of Nigeria , Ado Ekiti Study Centre, Nigeria 2018
- Department of Biology, Faculty of Science, National Open University of Nigeria , Oshogbo Study Centre, Nigeria 2018
- Department of Biology, Faculty of Science, National Open University of Nigeria , Ibadan Study Centre, Nigeria 2018
- Department of Environmental and Natural Resources Management, Faculty of Science, National Open University of Nigeria , Akure Study Centre, Nigeria 2018
- Department of Environmental and Natural Resources Management, Faculty of Science, National Open University of Nigeria , Ado Ekiti Study Centre, Nigeria 2018

(b). Postgraduate:

- Ph.D Examination: Department of Food and Environmental Microbiology, Babcock University, Ilisha Iremo, Ogun State

#### **D. Membership of Professional Bodies:**

- i. Fellow, Royal Society of Biology, 2023
- ii. Member, British Mycological Society, 2023
- iii. President, Mycotoxicology Society of Nigeria
- iv. Member Nigeria Institute of Food Science and Technology, Nigeria, since 2001
- v. Associate Member, Nigeria Institute of Science Laboratory Technology
- vi. Member American Society for Microbiology (ASM), America. since 2004
- vii. Full Member Third World Organization for Women in Science (TWOWS) since 2003 Now Organisation for Women in Science for Developing World (OWSD)
- viii. Member Nigeria Society for Experimental Biology(NISEB) since 2004

- ix. Member Mycology Society of Nigeria. (MSN) since 2009
- x. Student member of Institute of Public Analyst of Nigeria since (IPAN) 2012
- xi. Member of Focus Nanotechnology Africa inc (FONAI) since 2009
- xii. Member of Mycotoxicology Society of Nigeria since 2011
- xiii. Member of Nutritional Society of Nigeria since 2011
- xiv. Member of International Applied Microbiology former Society for Applied Microbiology (SFAM), UK since 2011
- xv. Associate Member of Nigeria Institute of Science Laboratory Technology (NISLT)
- xvi. Member of The Nutrition Society since 2013
- xvii. Member of American Phytopathology Society, USA since 2013(One of the newly selected Committee officers and member of Mycotoxicology Committee of the society)
- xviii. Member British Ecological Society, UK since 2013
- xix. Member African Graduate Nutrition Network, Africa since 2010
- xx. Member Society for General Microbiology, UK since 2013
- xxi. Fellow, African Scientific Institute since 2011
- xxii. Fellow, African Women in Agricultural Research and Development, since 2013
- xxiii. Fellow, Nigeria Women in Agricultural for Research and Development, since 2014
- xxiv. Ambassador of World Food Preservation Centre 2018
- xxv. Partner, Mytox-South 2018 till date
- xxvi. Peer Review College Member, UKRI, 2017-Till date
- xxvii. Board Member, International Society for Mycotoxicology

#### **E. Publications with Dates:**

##### 1. Thesis/Dissertation

1. **Jeff-Agboola Y. A. (2012)** Survey and Control of Mycotoxigenic moulds in poultry feeds and effect of mycotoxin on performance of poultry. Thesis submitted to the Federal University of Technology Akure, Nigeria for the award of Ph.D in Food microbiology.
2. **Jeff-Agboola Y. A. (2007)** Effect of fermentation on antinutritional contents of African yam bean (*Sphenostylis sternocarpa* Harms) seeds. Thesis submitted to the Department of Microbiology for the award of Master Technology in Food and Industrial Microbiology.
3. **Jeff-Agboola Y. A. (2004)** Effect of fungal isolates on proximate composition of Coconut (*Cocus nucifera* Linn) Fruits. Post Graduate Diploma Thesis submitted to the Department of Microbiology, Federal University of Technology, Akure, Nigeria.
4. **Ovedele Y. A. (1996)** Occurrence of *Staphylococcus aureus* among male and female students of Federal Polytechnic Ado Ekiti Nigeria. Higher National

Diploma. Thesis submitted to the Department of Science Technology (Microbiology option) Federal Polytechnic Ado Ekiti Nigeria.

5. **Jeff-Agboola Y. A. (2022)** Occurrence of nosocomial malaria infection in admitted patients in university of medical sciences teaching hospital, Ondo Akure. a project report submitted to department of biological sciences (Microbiology option), College of Agriculture and Natural Sciences, Joseph Ayo Babalola University, Ikeji Arakeji, Osun State, Nigeria. In partial fulfilment of the requirements for the award of Bachelor of Science (Honours) In Microbiology.

## 2. Books and Monographs -Nil

## 3. Contribution to Chapter Books

1. Prabir K. Sarkar, M.J. Robert Nout, **Jeff-Agboola Y. A.** “Handbook of Indigenous Foods Involving Alkaline Fermentation” “Fermented Foods and Beverages series”*CRC/Taylor & Francis publication* July 23, 2014 pp114-118
2. **Jeff-Agboola Y. A.** (2017) “Short Course On Food Safety For Food Professional - Principles of food and water microbiology pp 1-39
3. Ajibola Bamikole Oyedele, Ezekiel Green, **Yemisi A. Jeff-Agboola**, Afolake A. Olanbiwoninu, Esther Areo, Itohan E. Martins, Amina M.A. El-Imam and Oluwafemi Ayodeji Adebo (2023). Indigenous Fermented Foods for the Tropics: Presence of pathogenic microorganisms in fermented foods. Chapter 31- Safety and quality of fermented foods Pg 519-537. DOI: <https://doi.org/10.1016/B978-0-323-98341-9.00037-2>
4. **Jeff-Agboola, Y.A**, Oloniyo, R. & Imafidon, T. (2024). Chapter 20 Food safety legislation and Food Safety Modernization Act. In O. Ijabadeniyi & O. Folake Olagunju (Ed.), *Food Safety and Toxicology: Present and Future Perspectives* (pp. 405-416). Berlin, Boston: De Gruyter. <https://doi.org/10.1515/9783110748345-020>

## 4. Published Journals Articles

1. Onifade A.K. and **Jeff-Agboola Y. A.** (2003) Effect of Fungal Infection on Proximate Composition of Coconut (*Cocos nucifera* Linn) Fruits. *International Journal of Food, Agric and Enviroment*. 1 (2):141-142,2003 [Finland].
2. Onifade A.K. and **Jeff-Agboola Y. A.** (2004).Prevalence of malaria infections and determination of ABO blood grouping in Akure metropolis. *Journal of Applied sciences*. 7(1): 4070-4074 [Nigeria]

3. Isiaka A. Amoo and **Jeff-Agboola Y. A.** (2006) Antimicrobial evaluation and microorganisms associated with red and green copper leaves(*Acalypha wikesiana*). *Journal of Advances in Food Sciences* PSP 28 (4 ): 219-224.
4. **Jeff-Agboola Y. A.** and Oguntuase O.S.(2006) Effect of *Bacillus sphearicus* on proximate composition of soybean (*Glycine max*) for the production of “soyiru” *Pakistan Journal of nutrition*.5 (6) : 606-607
5. **Jeff-Agboola Y. A.** (2007) Microorganisms associated with natural fermentation of African yam bean (*Sphenostylis sternocarpa Harms*) seeds for the production of “otiru” *Research Journal of Microbiology* 2 (11): 816-823.
6. Adeparusi E.A.,Afolabi G.O. and **Jeff-Agboola Y. A.** (.2007) Bacterial and Fungal Flora of wild *Oreochromis niloticus*. *Journal of Advances in Food Sciences* PSP 29 (3): 162- 166.
7. **Jeff-Agboola Y. A.** and Alatise S.O. (2008) Microbiology of fermented pigeon pea (*Cajanus cajanlinn*) fermentation. *Journal of Applied tropical Agriculture* 13(1): 96-100. [Nigeria]
8. Onifade,A. k., **Jeff-Agboola Y. A** and Adesida, R. A. (2010) Effect of Neem (*Azadirachta indica*) essential oil on micro floral and aflatoxicogenic moulds from poultry finished feeds. *Nigeria Journal of Mycology* 2(1):57-64
9. Onifade A. K., Akinyele B. J. and **Jeff-Agboola Y. A.** (2010) Growth performance of some moulds isolated from poultry feeds and feed ingredients on commercially available and formulated media. *Nigeria Journal of Mycology* 2(1): 81-89
10. **Jeff-Agboola, Y. A.**,Onifade, A.K., Akinyele, B.J. and Osho I.B. (2012) Stability of Aflatoxin to boiling process in egg collected from birds fed with feed contaminated with toxigenic *A. flavus*. *Annals of Science of Technology* 2 (1): 6-13. [U.S.A.]
11. **Jeff-Agboola, Y. A.**, Onifade, A.K., Akinyele, B.J. and Osho I.B.(2012) In vitro antifungal activities of essential oil from Nigerian Medicinal Plants against toxigenic *Aspergillus flavus*. *Journal of Medicinal Plants Research*. 6(23): 4048-4056,Available online at <http://www.academicjournals.org/JMPR> DOI: 10.5897/JMPR12.525, ISSN 1996-0875 ©2012 Academic Journals
12. **Jeff-Agboola, Y. A.**, Akinyele, B. J., Onifade, A. K. and Osho, I. B. (2012). Survey of Mycobiota of Poultry Feeds Retailed in Ogun State, Nigeria. *International Journal of Applied Research and Technology*. 1(6): 178 – 185. [USA]
13. **Jeff-Agboola Y. A.** (2014) Hematological parameters of broilers fed with feed contaminated with aflatoxin. *British Journal of Applied Science & Technology* 4(12):1759-1771[Impact Factor : 31.477] .

14. **Jeff-Agboola, Y. A.**, .(2015) Influence of climate change on Aflatoxin levels of some poultry feeds collected from feed mills in South-Western Nigeria. *International Journal of Scientific and Engineering Research (IJSER)* - (ISSN 2229-5518). 6 (7):1926-1947[France]
15. **Jeff-Agboola Y. A.** and Anthony Kayode Onifade. (2016) In vitro Efficacies of Some Nigerian Medicinal Plant Extracts against Toxigenic *Aspergillus flavus*, *A. parasiticus* and *A. ochraceus*. *British Journal of Pharmaceutical Research* 9(1): 1-9 Article no.BJPR.20390
16. **Jeff-Agboola Y. A.** and Awe, L. B. (2016). Antifungal and phytochemical screening of Some Nigerian medicinal plant extracts against toxigenic *Aspergillus flavus*. OAFSA 1210556 *Cogent Food & Agriculture, Taylor & Francis Group*, 2: 1210556.
17. Adeleke B. S., Akinyele B. J. , Olaniyi O. O. and **Jeff-Agboola Y. A.** (2017). Effect of Fermentation on Chemical Composition of Cassava Peels. *Asian Journal of Plant Science and Research* 7(1):31-38.
18. **Jeff-Agboola Y. A.** and Omosanyin T. R. (2017). Occurrence of toxigenic moulds isolated in maize (*Zea mays*) from Okitipupa metropolis, Ondo State, Nigeria. *International Journal of Food Safety, Nutrition, Public Health and Technology* 9(4):28-37
19. Olonisakin O. O., **Jeff-Agboola Y. A.**, Ogidi C. O., and Akinyele B. J. (2017). Isolation of Antifungal Lactic Acid Bacteria (LAB) From “Kunu” against Toxigenic *Aspergillus flavus*. *Preventive Nutrition and Food Science* 22(2): 138–143.
20. **Jeff-Agboola Y. A.**, Oluwatuyi, O. J., Onifade, A. K. and Adeleke, S. M. (2017) Influence of Different Processing Methods on Aflatoxin Level in Ogi Slurry produced from Millet (*Pennisetum typhoideum*). *American Journal of Bioscience and Bioengineering*. 5(4): 83-87.
21. **Jeff-Agboola, Y. A.** and Jayeoba M. (2018) Influence of Using Different Drying Technique on the Level of Toxigenic *Aspergillus flavus* in Maize (*Zea mays*) Seeds *Journal of Advances in Microbiology* 11(4): 1-11.
22. Olonisakin F., Ogidi C. O. **Jeff-Agboola Y. A.** and Akinyele B. J. (2019). Histopathological Studies on Kidney and Liver of Albino Rat Infected with Toxigenic *Aspergillus flavus* after Treatment with Lactobacillus species *African Journal of Clinical and Experimental Microbiology*. 20(2): 87-94.
23. Jeff-Agboola E. O., Dada O. E. and **Jeff-Agboola Y. A.** (2019). The Effect of Aerosols on the Air Microflora of the Indoor Air. *Journal of Advances in Microbiology* 16 (1): 1-14.
24. Olusola O. Elekofehinti, Akeem Olalekan Lawal, Oluwamodupe C. Ejelonu, **Jeff-Agboola Y. A.**, Courage D. Famusiwa, Isaac G. Adanlawo (2019). In



- silico antimicrobial properties of saponins against food pathogens and spoilage microorganisms. *Nigerian Journal of Pure and Applied Sciences* 32 (2): 3436-3446.
25. **Jeff-Agboola Y. A.** and Jeff-Agboola E. O. (2019). Effect of fungi isolates on Proximate composition of Natural and Pure- culture fermentation of African yam bean (*Sphenostylis sternocarpa* Harms) seeds. *Journal of Underutilized Legumes* 1 (1): 1 – 8.
  26. **Jeff-Agboola Y. A.** and Anuoluwa I. A (2019) Mycobiota and Aflatoxin level of commercial popcorn snacks in Akure metropolis. *Journal of ChemResearch* 1(2): 257-264
  27. **Jeff-Agboola Y. A.**, Adeleke B. S., Jeff-Agboola E. O., Olotu T. M., and Anuoluwa I. A. (2019). Effect of mould contamination on proximate composition of poultry feeds. *Journal of ChemResearch.* 1(2):277-284
  28. **Jeff-Agboola, Y. A.**, Adebajji, A. A., Plotz M., Adekoya I. O, Jeff-Agboola E. O., Ogidi C. O., and Anuoluwa, I. A. (2020). Assessment of awareness level and attitudes of farmers in the management and mitigation of health risk associated with the occurrence of mycotoxins along the cocoa value chain. *IOSR Journal of Environmental Science, Toxicology and Food Technology* 14(2): 55-62.
  29. Michael S. Odimayo, Wasiu O. Adebimpe, **Jeff-Agboola Y. A.**, Oyetunde T.Oyeyemi, Benedette N. Okiei, Oluwadamilola A. Adejumo, Bamikole W. Osungbemi, Ebenezer O. Olajuyigbe, Kate R. Igbafe, Abiola O. Temitayo-Oboh, Toyin Faboya, Moradeke Olubunmi Oludiran, Lorreta Ntoimo, and Friday E. Okonofua (2020). Screening, Vaccination, and Referrals as Viral Hepatitis Elimination Triad Among Internally Displaced Persons in Edo State, Nigeria. *Clinical Liver Disease Journal*, 16(5) 218-222
  30. **Jeff-Agboola Y. A.**, Saanu Adeleke B., Folorunso Ayomide O. Evaluation of the antagonistic effect of some species of lactic acid bacteria isolated from fermented food against toxigenic *Aspergillus flavus* (2021). *Journal of food Safety and Hygeine.* 7(3): 152-163
  31. **Jeff-Agboola Y. A.** (2022) A review of the impact of mycotoxin contamination on poultry performances. *Medico Research Chronicles.*, 9(1), 01-19
  32. Gbenga-Fabusiwa F. J., **Jeff-Agboola Y. A.**, Ololade Z. S. Akinrinmade R. and Agbaje D. O. (2022). Waste-to-wealth; nutritional potential of five selected fruit peels and their health benefits: A review. *African Journal of Food Science.* 16(7):172-183
  33. **Jeff-Agboola Y, A.** , Adeyemo S. A. , Jeff-Agboola E. O. , de Saeger S. , de Boevre M. (2022). Assessment of Gender Knowledge and Attitude of Food Handlers in Preventing Microbial Contamination of Indigenous Fermented

- Food in Akure Metropolis, Ondo State, Nigeria. *Journal of Nutrition and Food Science*. 12(12):892-899
34. **Jeff-Agboola Y. A.**, and Jeff- Agboola Lifting O. (2022) Farmers Awareness Level of Aflatoxin Contamination of Food In Akure Nigeria. *Journal of VOWDA*.1(1):46-56.
  35. **Jeff-Agboola Y. A.**, Jeff-Agboola Excel O., Plötz Madeleine, Okunlola Oluyemi. A. and Elekofehinti Olusola O. (2023) Mycobiota of cocoa beans (*Theobroma cacao*) from drying sites in South-West, Nigeria. *African Journal of Agriculture and Allied Science*. 3(1): 122-141.
  36. **Jeff-Agboola Y. A.**, Adebayo E. T., Anuoluwa I. A., Bello O. O., Adelokun A. I., Ajagunna A. M. (2023). Isolation and Identification of Enterobacteriaceae in Catfish (*Clarias gariepinus* -Burchell 1822) gut from Selected Fish Farms in Ondo City, Ondo State. *IOSR Journal of pharmacy and Biological Sciences*. 18 (1): 17-22
  37. Oladebeye A. A., Oladebeye A. O., Suleiman M. and **Jeff-Agboola Y. A.** (2023) Sensory, Proximate and Mineral Attributes of Smart Baby-Led Weaning Foods from Millet, Soybean and Ripe Banana Flour Blends. *Asian Food Science Journal* 22(7):15-24.
  38. **Jeff-Agboola Y. A.**, Sipasi K. O., Oke E. K., Jeff-Agboola E. O., Oladebeye A. O. (2023) Occurrence of aflatoxins in Nigerian foods: a review, *Croatian Journal of Food Technology, Biotechnology and Nutrition* Vol.18 (29-36)
  39. **Jeff-Agboola Y. A.** (2024) Mycoflora of Ready-To-Eat “Kati” in Akungba Metropolis (2024) *African Journal of Agriculture and Allied Sciences* (AJAAS). Volume 4 (1): 77-85. DOI: 10.5281/Zenodo.12206197

#### **Papers already accepted for publication**

40. **Jeff-Agboola Y. A.** (2024) Characterization and screening of indigenous microflora of a traditional fermented African Yam bean (*Sphenostylis sternocarpa* Harms) Seeds ” *Journal of Underutilized Legumes*
5. Edited and Referred Conference Proceedings
41. Adeparusi E. A., Afolabi G. O. and **Jeff-Agboola Y. A.** (2006). Bacterial and Fungal Flora of wild *Oreochromis niloticus*. Book of Proceedings of the 2nd Annual Conference School of Agric and Agric Tech. FUTA. Pp 157 – 161.
  42. **Jeff-Agboola Y. A.** (2009) Antibacterial and Photochemical evaluation of avocado pear (*pyrus communis*) nut extracts Book of Proceedings of the 4nd Annual Conference of School of Agric and Agric Tech.FUTA.) Pp 224-229
  43. **Jeff-Agboola Y. A.**, Onifade A.K. and Oyetayo V.O. (2009) Qualitative estimation of antinutritive contents of processed and unprocessed African

yam bean (*Sphenostylis sternocarpa Harms*) seeds. 608-615. The book of proceedings of First Regional Conference of *Third World Organization for Women in Science* on 16-20, November 2009 at International conference Centre, Abuja

44. Oluwafemi Y.D., Oyetayo V.O., **Jeff-Agboola Y. A.**, Adesina I. A. (2017). Phytochemical, Antimicrobial and Antioxidant potential of a wild mushroom collected from Bolorunduro, Ondo State, Nigeria. The book of proceedings of International Conference and Exhibition (OWSD)-BIU, Benin, Nigeria on 31 July- 4th August . Pages 924-931
45. Jeff-Agboola E. O., Eniola K. I. T., Oyedele D. S. and **Jeff-Agboola Y. A.** molecular and cultural characterization of microorganisms associated with naturally fermented guinea peanut (*pachira glabra*). Proceedings of the 9th Regional Food Science and Technology summit (ReFoSTS), Olumo 2023, 5-8, June 2023. Pages 580-587.

#### 7. Manuscript submitted for publication

1. Food Fraud Awareness and Attitudes Among Nigerian Consumers: A Nationwide Survey (2024). Helen Onyeaka, Amarachukwu Anyogu, Olumide A. Odeyemi, Michael Ukwuru Ukwuru<sup>4</sup>, Ukpai Eze, Folayemi J. Isaac-Bamgboye, Christian Anumudu<sup>1</sup>, Oluwabunmi O. Akinwunmi, Olufemi Peter Sotayo, **Jeff-Agboola Y. A.**

#### 8. Creative Work

- a. Training of Production of organic liquid soap to UNIMED students (2019)
- b. production of organic cream
- c. construction of bio-digester for bio- gas production with anaerobic starter culture using Kitchen waste to produce bio-gas and green house garden using plastic waste bottle for wealth creation from waste to wealth programme of VOWDA

#### 9. Technical Reports

- a. Topic: Formulation for biological control of Aflatoxin using agricultural waste (**Jeff-Agboola Yemisi Adefunke**. Technical Report submitted to Maize Pathology Lab, International Institute for Tropical Agriculture, Ibadan, Nigeria. Topic: Formulation for biological control of Aflatoxin using agricultural waste. Date: 14th April, 2012.
- b. Efficacy of Toxiban MAX (TMAX) to reduce the toxicity of aflatoxin or a combination of mycotoxins in broilers. Technical Report submitted to Animal Science Research Center, University of Missouri, Columbia Missouri, USA Date: 11th December 2014
- c. *In vitro* efficacies of some traditional West African plant extracts against pathogenic *E.coli* in milk . Technical Report edited and submitted to Poultry

Science Lab under the supervision of Dr. Emefa A. Monu, Poultry Science Department, Auburn University, USA Date: 4th March, 2020

- d. Food Safety Network PAPA, Country Assessment and Action Plan. Nigeria's Food Safety System. September 7, 2022
- e. Food Safety Network PAPA: Country Assessment and Action Plan on aflatoxin mitigation and control in Nigeria, September 7, 2022
- f. Review of National food safety and quality bill. Submitted through Nigerian Economic Summit Group to the National Assembly.

#### 10. Paper and Work in progress

- Mycotoxin and molecular characterization of mould in some fermented foods in collaboration with Sarah De. Sagar, Ghent University, Belgium
- “Microbiological potential of some medicinal and aromatic plants indigenous to Nigeria in controlling pathogenic organisms in poultry” in collaboration with Emefa Monu, at Poultry Science, Department, Auburn University, Alabama, USA

#### **F. Professional Accomplishment**

1. I co-organised a workshop as a Fellow of University of Missouri in partnership with USDA, USDA-FAS, FMHSW, NESG on the creation and lunch of 4 Technical Working Groups (TWGs) as approved by the Coordinating Minister of Health and Social Welfare on Food and Feed Safety in Nigeria on 5th & 7th of June 2024 in Abuja, FCT. The TWGs are:
  - Traceability TWG
  - Risk-Based Regulations TWG
  - Food, Feed and SPS Inspection TWG
  - Continuous Education and Research TWG
2. I became a member of Technical Working Groups (TWGs) on Food and Feed Safety in Nigeria selected by the Coordinating Minister of Health and Social Welfare. 2024
3. I became a fellow of Royal Society of Biology, 2023 till date
4. I facilitated collaboration between Adekunle Ajasin University Akungba Akoko and Ghent University, Belgium which resulted into signing of an MoU between the two Universities. 2023
5. I facilitated a collaboration that resulted in signing of an MoU between NAFDAC and UNIMED
6. I became a consultant to University of Missouri on a USDA founded project “Strengthening food safety system in Africa” providing support to the United States Department of Agriculture and FAS efforts to provide technical assistance in harmonization of food safety requirements in West

Africa for the availability of safe food to the population, regional and international trade.

7. I became the National President of Mycotoxicology in 2021-till date
8. I was involved in the review of Nation Food Safety and quality bill document submitted to the National Assembly. The bill was successfully passed and currently awaiting signing into law by the Mr. President
9. I became a partner to Applied Mycology Group of Cranfield University, UK in 2023
10. I won a Fulbright African Scholars Award for 2019/2020
11. I became a partner to Mytox-South Organisation in Belgium, an European Commission funded programme
12. I am currently an Ambassador to World food preservation center, Washington DC, USA
13. Influenced collaboration between UNIMED and National Space Research and Development Agency, (NASRDA), Abuja
14. I became a peer review college member of UK Research and Innovation sponsored by Global Challenges Research Council (GCRF). I am involved in grant application review
15. Mentor to Dr Caroline Muneri, one of AAS Affiliates on mentor on The African Academy of Science Mentorship Scheme

#### **G. Conferences, Seminars and Workshops Attended and Organised with Dates**

- i. I co-organised a workshop as a Fellow of University of Missouri in partnership with USDA, USDA-FAS, FMHSW, NESG on the creation and lunch of 4 Technical Working Groups (TWGs) as approved by the Coordinating Minister of Health and Social Welfare on Food and Feed Safety in Nigeria on 5<sup>th</sup> & 7<sup>th</sup> of June 2024 in Abuja, FCT. The TWGs are:
  - a. Traceability TWG
  - b. Risk-Based Regulations TWG
  - c. Food, Feed and SPS Inspection TWG
  - d. Continuous Education and Research TWG
- ii. I became a member of Technical Working Groups (TWGs) on Food and Feed Safety in Nigeria selected by the Coordinating Minister of Health and Social Welfare. 2024
- iii. I was nominated and selected by the Coordinating Minister of Health and Social Welfare to serve as a member of 2024 World Food Safety Day (WFS) planning Committee.
- iv. The training and networking session of the first in the series of physical training and networking session organized by TETFUND in conjunction with the European Union Commission in Nigeria for NCPs (National Contact Points) and Research Team Leaders in Nigeria. The training and networking session, facilitated by Cognity Advisory on 25<sup>th</sup> – 27<sup>th</sup>

- October, 2023 @ Committee of Vice Chancellors of Nigerian Universities Conference Centre, 4 Parakou Street, Wuse II, FCT Abuja
- v. I organised a National conference of The 16<sup>th</sup> Annual Conference of Mycotoxicology Society of Nigeria, “ONDO2023” 23-26 October, 2023. Theme: Impact on one health, Management Strategies and gender inclusiveness  
Paper Presented:
    - a. Jeff-Agboola E. O., Gbenga-Fabusiwa F.J., **Jeff-Agboola Y. A.** (2023) In-Vitro Efficacy of Some Spices Against Toxigenic *Aspergillus Flavus*
    - b. **Jeff-Agboola, Y. A.**, Mariateresa Fornelli , Trang Minh Tran , Arnau Vidal Corominas , Marthe de Boevre and Sarah de (2023). Moulds and multiple mycotoxins co-occurrence in cassava-based food products in selected districts of Nigeria
  - vi. The 14<sup>th</sup> Conference of World Mycotoxin Forum, Antwerp2023, October 9-11, 2023.  
Paper Presented:
    - **Jeff-Agboola, Y. A.** , Mariateresa Fornelli b, Trang Minh Tran bc, Arnau Vidal Corominas, Marthe de Boevre and Sarah de Saeger (2023) Moulds and Multiple mycotoxins co-occurrence in cassava-based food products in selected district of Nigeria Presented @The 14th Conference of the World Mycotoxin Conference, Antwerp, Belgium, 9-11 October, 2023
  - vii. Workshop presentation on Fulbright Enrichment Seminar in collaboration with the Public Affairs Session of the US, Consulate, Lagos at Adekunle Ajasin University, Akungba Akoko-March 2023
  - viii. workshop on aflatoxin mitigation strategies and future joint activities to reduce mycotoxins occurrence in African food commodities @ Cranfield University, UK on 19-24 March 2023
  - ix. Seminar and workshop on assessing the food safety issues in Senegal on 20-23 June 2022 and to assess the food safety issues in Nigeria which is scheduled for 23-29 June in Abuja by join the USDA and University of Missouri team
  - x. 15th Conference and workshop on Mycotoxin Education and management in developing countries at confluence University of Science and Technology, Osara, Kogi State, Nigeria on 4-7, October 2022
  - xi. one day sensitization workshop for high level policy and decision makers and public presentation of the National Codex Committee (NCC) Procedural Manual on Thursday 8th September, 2022 at Reiz Continental Hotel, Abuja.

- xii. ICGEB Course on Laboratory Techniques in Molecular Biology and Enzyme Engineering for Sustainable Bioenergy: From Theory to Bench” at the Federal University of Technology Akure, (FUTA), Akure, Nigeria, September 26 – 30, 2022.
- xiii. Stake holders dialog conference on National Food Safety and Quality Bill Implimentation Road Map organized by Nigerian Economic Summit Group and Federal Ministry of Health, Sponsored by United State Department of Agriculture and University of Missouri, USA on 12-14,2022.**Paper presented:** Risk Management
- xiv. Women in Agriculture Symposium”. at IITA, Ibadan on 14 -15 October 2021
- xv. Katharina Moeller<sup>1</sup>, Christina Rehagel, Ewald Usleber, Benedikt Cramer,
- xvi. Hans-Ulrich Humpf, Yemisi Jeff-Agboola, Madeleine Plötz. **Paper Read:**Immunochemical investigations on the occurrence of zearalenone and ochratoxin A in cocoa-Presented at 41st Mycotoxin Workshop in Lisbon on May 6 - 8, 2019.
- xvii. 1st Seminar of the CERHI-UNIBEN Excell Researcher and Leadership Development @ the Centre of Excellence in Reproductive Health Innovations (CERHI), University of Benin and the Africa in collaboration with Research Excellence Fund (AREF), Medical Research Foundation, UK on November 9, 2018
- xviii. 2nd African Symposium on Mycotoxicology “Mitigating mycotoxin contamination in the African food and feed chain ” Mombasa, Kenya , 24 – 27 June 2018. **Paper Read:** Mould and Aflatoxin Contamination of yam flour in Akure Metropolis, Nigeria
- xix. **Paper Read:** boosting female farmers ‘income from poultry production in Nigeria through bio-control of aflatoxins (poison) in maize Grant to participate in 2018 Belfast Summit on Global Food Integrity, UK, May 28-30, 2018
- xx. Jeff-Agboola, Y. A., Jayeoba, M. E., Olotu Ifeoluwa. **Paper Read:**A novel approach to reduction of toxigenic *Aspergillus flavus* level in maize using different traditional drying technique . 2018 Belfast Summit on Global Food Integrity, UK, May 28-30, 2018
- xxi. Fundamentals of Information Literacy and Access to Global Online Research in Agriculture (AGORA) – 21st May -3rd June 2018 Organized by Food and Agricultural Organisation of United Nations
- xxii. Short course on Understanding Gender, Rights, Cultural and Ethical Issues-Implications For Reproductive Health and Development held in University of Medical Sciences, Ondo State. (2018)

- xxiii. Short course on Advanced Digital Appreciation Programme for Tertiary Institution Statistical Package for Social Sciences held in University of Medical Sciences, Ondo State. (2017)
- xxiv. Immunoassay technique on mycotoxin analysis and molecular Characterization of microorganisms at the Junior Professorship of Institute of Veterinary Food Science, Justus Liebig-University, Giessen, Germany
- xxv. Security Awareness Conference by National Orientation Agency at Ijapo Akure July 26-29th , 2017
- xxvi. 2017 Young Microbiologist Conference @ Babcock University, Nigeria , 27th-28th June, 2017 **Paper Read:** 1.)The First Memorial Lecture of Mojisola Olayinka Edema delivered by me on Mentoring and Gender Factor in Research for Development 2) Influence Of Different Processing Techniques On Aflatoxin Levels In Millet (*Pennisetum Typhoideum*)
- xxvii. 2016 The 3rd International Conference on Gender @ University of Benin, Edo State, Nigeria on 4th -6th September, 2016. **Paper Read:** Comparative Analysis of Gender Involvement in Cassava Production in Ondo State, Nigeria
- xxviii. 2016 The AGCPN CTA vision 2020 initiative / clinical trial consortium @ Golden Royale Hotel, Bisale Avenue, Independence Layout, Enugu. **Paper Read:** Medicinal Plant Products which focused on possible cure for some pathogenic organisms and mycotoxins in humans and animals
- xxix. 2016 Autumn Food Security and Safety (FSAS) Conference, at Resolution Circle, University of Johannesburg, South Africa on May 15-18, 2016. **Paper Read:** Education, Science and Technology for a Healthy, Safe and Friendly Environment  
**Paper Read:** A Novel Approach to Reduction of toxigenic *Aspergillus flavus* level in maize using different traditional drying technique Jeff-Agboola, Y. A., Jayeoba, M. E., Olotu Ifeoluwa
- xxx. World Congress on Root and Tuber Crops” gathering the Third Conference of the Global Cassava Partnership For the 21st Century and the 17th Symposium of the International Society for Tropical Root Crops, held in Nanning, Guangxi, China, Jan 18-23, 2016 **Paper Read:** Microbiological evaluation of natural fermentation of Cassava (*Manihot esculentum*) Peels to improve the quality of by-product as feed ingredient in Nigeria by **Jeff-Agboola Yemisi Adefunke**, Ellen S. Dierenfeld<sup>2</sup>, Jayeoba Mobolaji Elizabeth
- xxxi. The 10th Annual conference of Mycotoxicology Society of Nigeria @ International Institute of Tropical Agriculture (IITA) Ibadan, Nigeria, on 13th-15th July, 2015. **Paper Read:** In Vivo efficacy of Toxiban MAX



- (TMAX) to reduce the toxicity of aflatoxin or a combination of mycotoxins in broilers D. R. Ledoux, G. E. Rottinghaus, D. P. Shaw, Y.A. Jeff-Agboola, E. Kobashigawa
- xxxii. AWARD Western Africa Regional Progress Meeting on April 27-30, 2015 at Forest Hotel, Dodowa, Accra, Ghana
- xxxiii. Bio safety training at University of Missouri, Columbia, USA. On 29th July, 2014
- xxxiv. 2014 Joint Annual Meeting (JAM) of the American Dairy Science Association® (ADSA®), the American Society of Animal Science (ASAS), and the Canadian Society of Animal Science (CSAS) which was held in Kansas City, Missouri, July 20-24, 2014
- xxxv. The 35th Mycotoxin Workshop/conference in Campus Schoonmeersen of the Ghent University, Belgium on May 22nd – 24th, 2013.
- xxxvi. **Paper Read:** Jeff-Agboola Y. A., Onifade, A. K., Akinyele, B. J. and Osho I. B. (2013) In-vitro antifungal activities of essential oil from Nigerian medicinal plants against toxigenic *Aspergillus flavus* at the 5th Congress of Federation of European Microbiological Society, Leipzig Germany on 21st -26th July, 2013
- xxxvii. **Paper Read: Jeff-Agboola Y. A.** Stability of Aflatoxin to boiling process in poultry meat fed with feed contaminated toxigenic *A. flavus* at the 3rd International Conference on Neglected and Underutilized Species: for a Food-Secure Africa Accra, Ghana, 25-27 September 2013
- xxxviii. **Paper Read:** Jeff-Agboola Y.A., Onifade A.K., Oyetayo V.O. and Isaac-Bangboye F.J.. Characterization and screening of indigenous microflora of a traditional fermented African yam bean (*Sphenostylis sternocarpa* Harms) seeds product at the Microbial diversity 2013 conference, University of Turin, Torino, Italy, 23rd-25th October, 2013  
**Paper Read:** Jeff-Agboola, Yemisi Adefunke, Alatisé Lucas Oluyemi, Isaac-Bangboye folayemi Janet and Habib Maimuna Abdullahi. Evaluation of different processing measures to resist aflatoxin contamination of maize products in Nigeria
- xxxix. African Women in Agricultural Research and Development (AWARD) Mentoring Orientation Workshop (Feb.18-22, 2013) held at Safari Park, Nairobi, Kenya
- xl. African Women in Agricultural Research and Development (AWARD) Science Skill and Proposal Writing Training (June 17-23, 2013) Speke Resort, Kampala, Uganda
- xli. African Women in Agricultural Research and Development (AWARD) Monitoring and Evaluation Training (Oct 1st-3rd 2013) Accra, Ghana

- xlii. African Women in Agricultural Research and Development (AWARD) Women Leadership and Management Training (April 5-12th, 2014) held at Safari Park, Nairobi, Kenya
- xliii. The 7th Annual Conference and Workshop of the Mycotoxicology Society of Nigeria, MYCOTOXSON(formerly the Nigeria Mycotoxin Awareness and Study Network)held on 27 – 29 June, 2012 at the Nigerian Institute for Oceanography and Marine Research (NIOMR),Victoria Island, Lagos State, Nigeria.
- xliv. **Paper Read:** Jeff-Agboola, Y. A., Onifade, A. K. ,Akinyele, B. J. and. OshoI. B. (2012)Influence of different packaging materials on toxigenic fungal load in poultry feed
- xlv. The half yearly conference/General meeting of Nigeria Institute of Food Science Technology held in Federal University of Technology Akure on 21-22 July, 2011.  
**Paper Read:** Jeff-Agboola, Y. A., Onifade, A. K. ,Akinyele, B. J. and. OshoI. B.(2011)Stability of Aflatoxin to Boiling Process in egg collected from birds contaminated with toxigenic *Aspergillus flavus*
- xlvi. The 2nd Federation of Africa Nutritional Societies Conference held in International Conference Centre Abuja Nigeria Sept 11- 15th, 2011.  
**Paper Read: Jeff-Agboola Y. A.** 2011 Assessment of effect of different processing measures to resist aflatoxin contamination of Maize products In Ondo State villages In Nigeria
- xlvii. The 4th Africa Nutritional Epidemiology Conference held in Safari Park Hotel Nairobi Kenya 4th-8th October 2010.  
**Paper Read: Jeff-Agboola Y. A.** and Onifade A.K. 2010 Occurrence of Aflatoxin and fungi flora of some corn sold in Akure metropolis.
- xlviii. Mandatory Training Workshop on quality Assurance in Laboratory Management Organized by Institute of public Analyst of Nigeria held on 10th-11th November, 2009 at Oranmiyan Hall, Lagos Airport Hotel Lagos State.
- xlix. First Regional Conference of Third World Organisation for Women Science held at Ecowas commission, Abuja , October 2009
  - i. 4TH Annual conference/workshop of Nigeria Mycotoxin Awareness and Study Network Quarantine 2009 held April 27th -29th 2009 at Nigeria Agricultural Quarantine Service, Apata, Ibadan
  - ii. Workshop on Human Capacity Building in Laboratory Techniques and Instrumentation Held 27-29TH January 2009 at Centre for Research and Development, Federal University of Technology, Akure, Nigeria, FUTA
  - lii. 2ND Annual conference of Mycology Society of Nigeria held at University of Ibadan May,2008.

- liii. 4TH Annual conference of School of Agric and Agricultural Technology, Held at FUTA April, 2008.
- liv. 3RD Annual conference of School of Agric and Agricultural Technology (Akure-Humboldt Kellogg Annual conference 2007 ) Held 16th -19th April, 2007 at FUTA.
- lv. A 2 day workshop program organized by Equipment and Maintenance FUTA Branch on the use and Maintenance of Spectrophotometer and other sensitive equipment held at FUTA 2005
- lvi. Extraordinary Conference of the Nigeria Society of Experimental Biology Held at Igbinedion University, Okada July 2005

**Invited Talk, Presentations and panel discussions:**

- a. Panel moderator, on Engaging Women in Food Safety: Messaging for Women in Politics, Business, social work and home” at the World Food Safety Day, Abuja on 7<sup>th</sup> June 2024
- b. Panelist at the Nigeria Now Conference on Nigeria Now and the Nigeria of Tomorrow. Discover how Nigeria’s most influential Organizations are viewing National Development and the role the agricultural sector can play within it organized by the United States Soybean Export Council [USSEC], Lagos June 4, 2024, Lagos
- a. Debate panelist at the 14th Conference of World Mycotoxin Forum, Antwerp2023, Belgium. October 9-11, 2023.
- b. Invitation to talk on mitigating strategies of mycotoxin in Nigeria at workshop on aflatoxin mitigation strategies and future joint activities to reduce mycotoxins occurrence in African food commodities @ Cranfield University, UK on 19-24 March 2023
- c. co-organizer of a global lecture series with Jefferson State community College, USA in collaboration with a Fulbright scholar from University Islamabad, Pakistan. **Presentation:** Impact of covid-19 around the world  
The lecture series was signed by over 100 students from Nigeria, Pakistan and USA.
- d. **webinar presenter:** on Industry-Academia Collaboration and Technology Transfer(<https://www.universityworldnews.com/post.php?story=20210616220921125> ) as one of the panel members to discuss on university-industry collaboration as a message to Africa’s policy-makers to stimulate scientific and technological advancements and create employment opportunities. This was jointly organized and supported by European Union and African Union (EU-AAU) 2021
- e. **Jeff-Agboola Y. A.** (2019). The role of women in food safety management in Africa. @ Ghent University, Belgium on 30<sup>th</sup> April, 2019
- f. **Jeff-Agboola Y. A.** (2018) Boosting female farmers income from poultry production in Nigeria-Bio control of aflatoxin @ Belfast Summit on Global Food Integrity, Northern Island UK, May 28-30, 2018

- g. **Jeff-Agboola Y. A.** (2018) Skill Development Workshop (Nigerian Applied Microbiologist) @ Federal University of Agriculture, Abeokuta, Nigeria , 18th-19th October, 2018
- h. **Jeff-Agboola Y. A.** (2017) Mentoring and Gender Factor in Research for Development @ the 2017 Young Microbiologist Conference @ Babcock University, Nigeria , 27th-28th June, 2017
- i. **Jeff-Agboola Y. A.** Education, Science and Technology for a Healthy, Safe and Friendly Environment @ the 2016 Autumn Food Security and Safety (FSAS) Conference, at Resolution Circle, University of Johannesburg, South Africa on May 15-18, 2016.
- j. **Jeff-Agboola Y. A.** The Relevant of African Women in Agricultural Research and Development in Economic Advancement on 12<sup>th</sup> January, 2015 @ Federal University of Technology Akure, Nigeria @ During the Role Modeling of Ifeoluwa Olotu (2015 AWARD Fellow)
- k. **Jeff-Agboola Y. A.** Gender Responsive Proposal Writing skills training on 13<sup>th</sup> December, 2015 @ Ondo State University of Science and Technology, Okitipupa, Nigeria
- l. **Jeff-Agboola Y. A.** Trends of Research in Modern Science on 23<sup>rd</sup> January 2015 @ Ondo State University of Science and Technology, Okitipupa, Nigeria
- m. **Jeff-Agboola Y. A.** Award Role Modeling event: Gender Responsive Proposal Writing Skill-A concept note Approach on 23<sup>rd</sup> January, 2014 at Main Auditorium Ondo State University of Science and Technology, Okitipupa, Nigeria
- n. One of the four member panel selected to represent Africa on Women & Girls as Agents of Change organized by Bill and Melinda Gates foundation 2014 Grand Challenges meeting with Bill and Melinda Gates in Seattle, USA. On October 6<sup>th</sup>-10<sup>th</sup> 2014 as part of the [Gates Foundation Grand Challenges](#) round table discussions.
- o. Invited Speaker as one of the panel discussion members organized by Globalgood Intellectual Ventures in alleviating the harmful effect of aflatoxins on people, livestock and crops. Title of the discussion: Challenges and Opportunities perspective from Nigeria. @ Intellectual Ventures, Camarasaurus Conference Room, Bellevue, WA, USA on December, 2<sup>nd</sup> 2014.
- p. Invited Speaker as one of the 4 panel discussion members in the Beyond the farm Gate organized at 2014 Farm Journal Forum @ Washington DC, USA on 11<sup>th</sup> December, 2014

## H. Current Research Activities

- Development of biocontrol formulation against aflatoxin in crops and processed food.
- The use of Nigeria medicinal plant to control antimicrobial resistance microorganism in poultry.

## **I. Current Relevant Information**

1. Services within the Department
  - a) Member, Departmental Appointment and Promotion Committee
  - b) Coordinator, SLT TO B.Sc. Conversion Programme
2. Services within the Faculty
  - Cognate member, Chemistry Department-2022 and 2024
  - Member of Faculty Research committee
3. Services within the University
  - i. Acting Director, Centre for Continuing Education. UNIMED August 2020 -March 2023
  - ii. Acting Director, UNIMED Akure Campus, July 2022-March 2023
  - iii. Deputy Director, UNIMED Akure Campus 2021/2022
  - iv. Chairperson, Akure Campus Advisory Committee 2021-2023
  - v. Chairperson, Akure Campus Task-Force Committee 2021-2023
  - vi. Member, UNIMED Strategic planning committee July 2020-till date
  - vii. Chairperson, UNIMED Special project committee in Collaboration with World Bank Centre of Excellence in Reproductive Health Innovation (CERHI). 2018 2020
  - viii. Committee member Advanced preparatory Studies Programme 2020
  - ix. Academic Event Planing Committee 2020-2023
  - x. Management Committee on Webometric Ranking and web quality Assurance 2020
  - xi. Committee member of friends of UNIMED fund utilization committee
  - xii. Member, committee on the review regulations governing the conduct of examination 2019-2020
  - xiii. Member, Post graduate curriculum development committee 2018 till date
  - xiv. Acting. Dean, Student Affairs , University of Medical Sciences, Ondo, Nigeria January 2015-April 2019
  - xv. Senate Member, UNIMED January 2016 -2023
  - xvi. Chairperson, Student Welfare and Disciplinary Committee 2016-2017
  - xvii. Coordinator of Student Debate committee 2016-2019
  - xviii. Member, UNIMED publication committee-2016-2017
  - xix. Member, UNIMED ceremonial committee-2016-2020
  - xx. Member of LOC for organizing a certificate course on developing a proposals for maternal mortality prevention in West Africa being hosted by the University of Medical sciences, Ondo City, Nigeria in collaboration with the World Bank Centre of Excellence in Reproductive Health Innovation (CERHI). at @ Information Centre Medical Village, UNIMED on May 2-12, 2016.
  - xxi. Member, UNIMED committee on the establishment of health centre 2016-2017
  - xxii. Member, UNIMED direct labour Committee-2016-2017
  - xxiii. Member of the board of the proposed UNIMED International School of Public health- 2016-2019
  - xxiv. Member, UNIMED scholarship and prize committee-2016-2017
  - xxv. Member, Faculty of Science Research committee-2016 till date
  - xxvi. LOC member for organizing short courses in master grant proposal writing and financial management in tertiary institutions2016-2017

#### 4. Services outside the University

##### Service to the community:

- Members of Nigerian Codex Sub-Committee on Contaminants in Food
- Reviewer of National Food safety and quality bills for passage into an act-National Assignment
- President of Mycotoxicology Society of Nigeria-I coordinate several activities of the association
- Board Member, International Society for Mycotoxicology, Italy-I am involved in decision making concerning activities of the International society
- Fellow of Royal Society of Biology, UK
- Member of committee on Belgium trade mission to Nigeria (2019)
- Founder Voice of Women in the Development of Agriculture (VOWDA). VOWDA is aimed at empowering the Nigerian smallholder female farmers through technology transfer from laboratory to farm and the overall goal is to improve food security status of the country and help in income generation.
- Assistant Project leader for gender advocate and short-term technical consultant to MADE in the development of a Gender Mainstreaming network- MADE Talk Group for the empowerment of smallholders female farmers in Niger-Delta Region, Nigeria. MARKET Development for the Niger Delta (MADE) is a DFID-funded development programme that uses a 'making markets work for the poor'(M4P) approach to generate pro-poor and inclusive economic growth in the non- oil sectors of the Niger Delta Region. 2015
- Active member of Women Thrive's Alliance for Women's Solutions, we promote women's rights to access solutions for their agricultural work and production-2015

#### **J. Contributions to Knowledge**

My contribution to food microbiology and mycotoxin including food safety knowledge is based on my skills in the following area:

- Molecular detection of pathogenic and non-pathogenic microorganisms in food and water samples
- Fermentation Techniques involving Starter culture modification for food production
- Laboratory methods for mycotoxin detection and qualification in Agricultural items and processed foods using LC/MS/MS, Quick screening equipment, HPLC, ELIZA and TLC
- Laboratory Techniques in determine the medicinal potentials of Nigerian medicinal and aromatic plant against antibiotic resistant bacteria, pathogenic

and mycotoxigenic microorganisms.

- food safety and risk analysis through USDA founded programmes in Nigeria and Senegal countries in Africa
- Laboratory methods and risk assessment for food safety systems
- Mycotoxins testing and bio-control formulation against aflatoxin in maize, groundnuts, cocoa and other agricultural items
- Microbiological Safety assessment for raw, processed and stored food
- Microbiological verification of food fortification by laboratory testing
- Technology transfer from laboratory to farm for quality food production
- Laboratory methods for the determination of mycotoxin residues in food
- Laboratory methods for the determination of pathogens in food
- Laboratory methods for determining antibiotic resistant pathogens in food and poultry product
- Formulation for biological control of Aflatoxin
- Gender Responsive Food and Agricultural Research
- I am involved in Teaching, Research and community development at global level
- I am also involved in Mentoring and career guidance, Research, meeting new people with an idea of collaboration, conduct art and craft development programmes, environmental beautification, involvement in community development in Agricultural and food safety programmes



15<sup>th</sup> July 2024

Signature: ..... Date: .....