

CURRICULUM VITAE

A. GENERAL INFORMATION

1. **Name:** AJAYI Francis Oluwadamilare
2. **Date and Place of Birth:** November 20, 1977/Ilorin
3. **Gender:** Male
4. **Nationality:** Nigerian
5. **State of Origin:** Osun
6. **Local Government Area:** Ilesa East
7. **Marital Status:** Married
8. **Name and Ages of Children:** AJAYI Fiyinfoluwa Daniel (17 years)
AJAYI Feyisikemi Deborah (15 years)
AJAYI Fifehansimi Dorcas (11 years)
9. **Name and Relationship of Next of Kin with Telephone Number:** Ajayi Elizabeth Bolanle (Wife)
+2348063197059
10. **Permanent Address:** House 4, Road 4B Lane 1, Orisunmbare
Quarters, Orita-Iloko, Ilesa, Osun
11. **E-mail Address:** francis.ajayi@uniosun.edu.ng
12. **Registration with Research Gates:** Yes
13. **If Yes, Provide the Link:** <https://www.researchgate.net/profile/Francis-Ajayi>
14. **If No, Why:** N/A
15. **Registration with Google Scholar:** Yes
16. **If Yes, Provide the Link:** https://scholar.google.com/citations?hl=en&user=Cuv9_1YAAAAJ
17. **If No, Why:** N/A
18. **Cell Phone Number:** +234 806 3197 059
19. **College/Faculty/Unit:** Agriculture/Agricultural Production and
Management, Ejigbo Campus
20. **Department:** Agricultural Extension and Rural Development
21. **Position on First Appointment with the University:** Lecturer II
22. **Present Position and Salary:**
(Grade/Level and Step) Lecturer I / CONUASS 4 Step 4
23. **Date of Present Position:** 1st October, 2021
24. **Is Your Appointment Confirmed:** Yes
25. **If No, Why Not?** Not applicable
26. **Date of Confirmation of Appointment:** 2nd December, 2020

B. EDUCATIONAL BACKGROUND

1. Educational Institutions Attended with Dates

- | | | |
|------|--|-------------|
| i. | Federal University of Technology Akure | 2010 - 2016 |
| ii. | Usman Dan Fodio University, Sokoto State | 2006 - 2007 |
| iii. | University of Ilorin, Ilorin, Kwara State | 2004 - 2006 |
| iv. | University of Ilorin, Ilorin, Kwara State | 1997 - 2001 |
| v. | Kwara State Polytechnic, Ilorin, Kwara State | 1995 - 1996 |
| vi. | Bishop Smith Secondary School, Ilorin, Kwara State | 1990 - 1995 |
| vii. | Bishop Smith Primary School, Ilorin, Kwara State | 1983 – 1989 |

2. Academic and Professional Qualifications with dates/Issuing Authority/Class of Degree

- | | | |
|------|---|-----------------------------|
| i. | Doctor of Philosophy in Agricultural Extension | 2016 |
| | Federal University of Technology Akure | |
| ii. | Post Graduate Diploma in Education | 2007 |
| | Usman Dan Fodio University, Sokoto State | <i>(Upper Credit)</i> |
| iii. | Master of Science in Rural Development | 2006 |
| | University of Ilorin, Ilorin, Kwara State | <i>(Ph. D Grade)</i> |
| iv. | Bachelor of Agriculture | 2001 |
| | University of Ilorin, Ilorin, Kwara State | <i>(Second Class Lower)</i> |
| v. | Interim Joint Matriculation Board | 1996 |
| | Kwara State Polytechnic, Ilorin | <i>(10points)</i> |
| vi. | Senior Secondary School Certificate | 1995 |
| | Bishop Smith Secondary School, Ilorin, Kwara State | <i>(8credits)</i> |
| vii. | Primary School Leaving Certificate | 1989 |
| | Bishop Smith Memorial Primary School, Ilorin, Kwara State | |

3. Other relevant Qualifications

a. Research Grants:

- i. Research Scientist in a project funded by the Tertiary Education Trust Fund (TETFUND/R&D/CE/TETFAIR/2024). Development of a Decoupled Solar-Powered Sprayer for Off-grid Farm Site (2024-2025)
- ii. Advanced Digital Appreciation Programme for Tertiary Institutions (ADAPTI) Training in Digital Bridge Institute (DBI), held at Osun State University Osogbo from August 13 – 17, 2018

4. Honour, Awards and Distinctions

- i. **Award of Merit**, Chairman COEASU-ILA Conference Publicity Sub-Committee, Colleges of Education Academic Staff Union (COEASU), Osun State College of Education, Ila-Orangun

ii.	Certificate of Competence , Global Moringa Business Summit, Ondo State	2012
iii.	Best Student , Primary School Leaving Examination	1996
5.	Research Fellowship with dates:	Nil
C.	WORK EXPERIENCE OUTSIDE THE UNIVERSITY SYSTEM (INCLUDING NAMES AND ADDRESSES OF EMPLOYER)	
1.	College of Education <i>Senior Lecturer</i> , Dept. of Agricultural Education, School of Vocational and Technical Education Osun State College of Education, Ila-Orangun, Osun State	2015–2018
2.	Central Bank of Nigeria, Yola, Adamawa State <i>Graduate Assistance</i> , Department of Agriculture	2001
D.	WORK EXPERIENCE IN OTHER UNIVERSITIES (INCLUDING NAMES AND ADDRESSES OF EMPLOYER)	
1.	University of Uyo Affiliate program Osun State College of Education, Ila-Orangun, Osun State	2005–2018
2.	Ekiti State University, Ado-Ekiti Affiliate program Osun State College of Education, Ila-Orangun, Osun State	2013–2018
E.	WORK EXPERIENCE IN OSUN UNIVERSITY	
i.	Lecturer I	2021–Till date
ii.	Lecturer II	2018–2021
F.	CO-CURRICULAR PROFESSIONAL EXPERIENCE:	
1.	Teacher , Ministry of Education, Inspectorate Service Department Iwoye-Ijesa Grammar School, Iwoye-Ijesa	2004–2005
G.	MEMBERSHIP OF PROFESSIONAL BODIES	
1.	Member , African Academics Network (AAN)	
2.	Member , Association of African University (AAU)	
3.	Member , Rural Sociological Association of Nigeria (RuSAN)	
4.	Member , Agricultural Extension Society of Nigeria (AESON)	
5.	Member , National Research and Development Network of Children and Youth in Agriculture programme (CYIAP-NETWORK) in Nigeria	
6.	Member , Teachers Registration Council of Nigeria (TRCN)	
7.	Member , Chartered Institute of Local Government and Public Administration of Nigeria (CILGPAN)	

H. SERVICE

1. Service to the University

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| a. Deputy Director , Centre for Pre-degree Studies | 2023 – Till date |
| b. Member , UNIOSUN Senate | 2021 – 2023 |
| c. Coordinator , Department of Agricultural Extension and Rural Development | 2021 - 2023 |
| d. Member , University Sports Committee | 2021 – Till date |
| e. Member , College Postgraduate Committee | 2021 – 2023 |
| f. Trainer , Learning Management System | 2020 |

Faculty/College Level

- | | |
|--|------------------|
| a. Secretary , Annual Workshop Committee | 2022 – Till date |
| b. Secretary , Annual Lecture Committee | 2022 – Till date |
| c. Member , Faculty Quality Assurance Committee | 2023/2024 |
| d. Chairman , Faculty Sport Committee | 2021 – Till date |
| e. Co-Facilitator , Extension Village at Araromi | 2018 – Till date |
| f. Member , College Board of Examiners | 2021 – 2023 |
| g. Member , CCMAS Committee | 2023 |
| h. Member , Editorial Board, UNIOSUN Journal of Agriculture and Renewable Resources | 2021 -2023 |

Departmental Level

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|--|------------------|
| a. Coordinator , Department of Agricultural Extension and Rural Development | 2021 – 2023 |
| b. Chairman , Departmental Examination Committee | 2021 - 2023 |
| c. Chairman , Quality Assurance Committee | 2023/2024 |
| d. Member , Research Committee | 2023/2024 |
| e. Examination Officer , Department of Agricultural Extension and Rural Development | 2018 – 2021 |
| f. Coordinator , Agricultural Extension Communication Studio | 2018 – Till date |
| g. Level Adviser , 200 Level Student | 2018/2019 |
| h. Public Relations Officer , Department of Extension and Rural Development | 2018 – 2021 |

2. Community

- | | |
|---|------------------|
| a. Secretary , Omiasoro Community Development Association, Ilesa, Osun State | 2021 – Till date |
| b. Pastor , Living Faith Church Worldwide, Ilesa, Osun State | 2006 – Till date |
| c. Secretary , Orisunmbare (Zone 2) CDA, Orita-Iloko, Ilesa, Osun State | 2015 - 2019 |
| d. Chairman , Orisunmbare (Zone 2) CDA, Orita-Iloko, Ilesa, Osun State | 2020 – 2022 |

3. National and International

- | | |
|---|------------------|
| a. Proctor , Joint Admission Matriculation Board Examination | 2023,2024 |
| b. Special Marshal , Federal Road Safety Commission, Unit 14, Oriade LGA, Osun State | 2016 - Till date |
| c. Member , Police Community Relation Commission, “B” Divison, Ijamo, Ilesa | 2017 – Till date |
| d. Biometric Operator , Unified Tertiary Matriculation Examination | March 2013 |
| c. Presiding Officer , Independent National Electoral Commission (Ad-hoc staff) | 2011 |
| d. Youth corps , National Youth Service Corps | 2002-2003 |

I. COURSES TAUGHT AND CO-TAUGHT DURING THE CURRENT ACADEMIC SESSION

S/N	Code	Course title	Units	Status
1	AEE 203	Introduction to Agric. Ext & Rural Sociology	2	C
2	AEE 406	Design and use of extension media resources	1	C
3	AEE 506	Seminar	2	C
4	AEE 508	Research	4	C
5	AEE 529	Audio-visual aids in extension	2	C
6	AEE 536	Development communication in agricultural extension	2	E
7	ARD 751	Television and radio production	3	E
8	ARD 748	Comparative extension education	3	E
9	ARD 752	Youth in the development process	3	E
10	ARD 756	Computer application in agriculture	3	C

J. GRADUATE STUDIES SUPERVISION: 2 Completed, 1 Ongoing

S/N	Name of Candidate	Degree	Project/Thesis Title	Completed/ On-going	Year of completion
1	Azeez Olawale AKINLOLU	Ph. D	Development of a Hybrid Decision Support System for Diagnosis of Indigenous Tuber Crops Diseases	Completed	2026
2	Julianah Olufunke OLAIDE	M. Sc.	Youth Involvement in Cocoa Production in Osun State	Completed	2026
3	Latifat Olawumi ADEBISI	M. Sc.	Determinants of Digital Financial Services Utilisation among Cocoa Farmers in Ondo State	Completed	2026
4	Boluwatife Ayomide OGUNJIMI	M.Sc.	Utilization of Alternative Feed Protein Sources among Fish Farmers in Osun State	Completed	2024
5	Sodeeq Oyewale AZEEZ	M.Sc.	Information Communication Technologies (ICTs) Usage in Cocoa Produce Marketing among Farmers in Osun State, Nigeria	Completed	2023
6	Dayo OPAREMI	Ph. D	Assessment of Agricultural Information Exposure and its Influence on Agribusiness Interest among Secondary School Students in Southwest, Nigeria	On-going	2026

Note * represent journal articles and chapters in books published after the last promotion

K. PUBLICATIONS

- i. **Books (Authored/Co-Authored):** Nil
- ii. **Books (Edited/Co-Edited):** Nil
- iii. **Monographs:** Nil

iv. Chapters in Books:

1. Iyiola, A. O., Kolawole, A. S., **Ajayi, F. O.**, Ogidi, O. I., Ogwu M. C. (2024). Sustainable water use and management for agricultural transformation in Africa. In: S. Madhav, Srivastav, A.L., Izah, S.C., E. van Hullebusch (Eds). Water Resources Management for Rural Development: Challenges and Mitigation. pp 287–300. Elsevier, Netherlands <https://doi.org/10.1016/B978-0-443-18778-0.00001-5>. (Offshore)
2. Murtadha, M.A ., Ajayi, F.O., Falade, O., and Shittu, K.A. (2023). The making IDP in Nigeria conflicts and crisis resolution implication on food sustainability. Chapter in Internally Displaced Persons in Nigeria: Health Needs, Challenges and SDGs. Edited by Alebiosu Olutayo. Obafemi Awolowo University Press. 2023; ISBN 978-978-136-107-4 (Onshore)
3. Iyiola, A. O., Akinrinade, A. J., **Ajayi, F. O.** (2022). Effects of Water Pollution on Biodiversity Along the Coastal Regions. In: Chibueze Izah, S. (eds) Biodiversity in Africa: Potentials, Threats and Conservation. Sustainable Development and Biodiversity, vol 29. Springer, Singapore. https://doi.org/10.1007/978-981-19-3326-4_13 (Offshore)

v. Articles in Learned Journals

4. Musa, M. O, Bolarin, O., **Ajayi, F. O.** and Ojo, O. O. (2026). Utilization of crop residues for livestock feeds among rural dwellers in Osun State, Nigeria. *Nigerian Journal of Agriculture and Agricultural Technology (NJAAT)*. 6(2B):196-205. Published by Faculty of Agriculture and Agricultural Technology Abubakar Tafawa Balewa University, Bauchi, Nigeria. <https://njaat.com.ng/index.php/njaat/article/view/1454> (Onshore)
5. Adegbite, B. A., Adeleke, I., Fasina, O. O., and **Ajayi, F. O.** (2026). Effects of traditional method of frying garri on the anthropometric parameters of processors in Nigeria. *Nigerian Journal of Agriculture and Agricultural Technology (NJAAT)*. 6(1A):185-189. Published by Faculty of

6. Adeniran, A. A., **Ajayi, F.O.**, Ogbungbemi, R. O. and Ikuejawa, I. I. (2025). Impacts of COVID-19 on Vegetable Farmers in Ojo, Lagos State: Implication for Integrating Youth Adaptive Strategies for Future Shock. *Annals of Child and Youth Studies*. 15(1) 1-8. Published by Children and Youth in Agricultural Programme- Network. <https://doi.org/10.5281/zenodo.18442344> (Onshore)
7. Adegbite, B. A., Oloyede, J. O., **Ajayi, F. O.**, Arowolo, A. D., and Shittu, B. A. (2025). Geo-Accumulation concentration of Heavy Metals and Its Implications on the Rural Livelihoods of Farmers in Ijesaland, Nigeria. *International Journal of Environment and Climate Change*. 15(9):278-285. <https://doi.org/10.9734/ijecc/2025/v15i95013>. (Onshore)
8. Akinlolu, A. O., Ogundoyin, I. K., Omotosho, L. O. and **Ajayi, F. O.** (2025). AI-Driven hybrid framework for the diagnosis and management of diseases in indigenous tuber crops. *FUOYE Journal of Pure and Applied Science*. 10(3) 105 – 131 DOI: 10.55518/fjpas.VUQU2506 (Onshore)
9. Jimoh, L. O., Agboola, T. O., Akintunde, O. K., Idris-Adeniyi, K. M., **Ajayi, F. O.** & Oyeniyi, F. A (2025). Assessment of compliance level with the International Labor Organization child labour utilization regulation: Evidence from cassava farmers in Osogbo ADP Zone, Osun State, Nigeria, *African Journal of Science, Technology, Innovation and Development*, DOI: 10.1080/20421338.2025.2534268 (Offshore)
10. Adeniran, A. A., Ajibola, B., **Ajayi, F.O.**, Imoh, P.A. (2025). Effect of deforestation on livelihoods of rural households in Ejigbo Local Government Area, Osun State. *ADAN Journal of Agriculture*. 6(2) 11-18. Published by Association of Deans of Agriculture in Nigerian Universities. DOI:10.36108/adanja/5202.60.0220 (Onshore)
11. Bamiwuye, O. A., Alao, O. T., Akinyemi, A. O. and Ajayi, F. O. (2024). Pesticide knowledge and safety practices among smallholder farmers in Iwo Local Government Area of Osun State, Nigeria. *Tanzania Journal of Agricultural Sciences* 24(2): 339 – 350. Published by (Offshore)
12. Jimoh, L. O., Idris-Adeniyi, K. M., **Ajayi, F. O.**, and Yakubu, H. T. (2024). Socio-economic analysis of different palm oil processing techniques in Olorunda Local Government Area, Osun State, Nigeria. *Agricultural Science and Technology*, 16(4): 122 – 131. Published by Faculty of Agriculture, Trakia University, Bulgaria. DOI: 10.15547/ast.2024.04.048 (Offshore)

13. Agboola, T. O., Kehinde, A. L., Akintunde, O. K., Jimoh, L. O., **Ajayi, F. O.**, Adesigbin, A. A. and Olagunju, D. (2023). Risks Management Strategies among Smallholder Rice Farmers in Nigeria: A Case Study of Ofu Local Government Area of Kogi State, Nigeria. *Journal of Forestry Environment and Sustainable Development*, 9(2): 101-109. Published by the Department of Forestry and Natural Environmental Management, University of Uyo, Nigeria. ISSN 2449-1845
(Onshore)

14. Akintunde, O. K., Coster, A. S., **Ajayi, F. O.**, Alabi, A. A. and Adekanye, J. O. (2023). Gender Differentials in Income and Resource Utilization among Maize Farmers in the Osogbo Agricultural Development Programme (ADP) zone of Osun State, Nigeria. *Agricultural Sciences*, 15(39): 65-73. Published by Agricultural University, Plovdiv, Bulgaria. <http://agrarinauki.au-plovdiv.bg/2023/issue-39/7-39/> DOI: 10.22620/agrisci.2023.39.007. ISSN 1313-6577
(Offshore)

15. Ibitunde, I. O., **Ajayi, F. O.**, Olayode, G. O. and Akintayo, O. A. (2023). Poverty Mitigation Strategies of the Rural Women in Ejigbo Local Government Area of Osun State, Nigeria. *Ife Journal of Agriculture*, 35(1): 14-23. Published by the Faculty of Agriculture, Obafemi Awolowo, Ile-Ife, Nigeria. <https://ija.oauife.edu.ng/index.php/ija/article/view/715/542> ISSN 0331-6351
(Onshore)

16. Bamiwuye, O. A., Adisa, B. O., Alao, O. T. and **Ajayi, F. O.** (2023). Assessment of Post-harvest Handling Activities and Marketing Patterns of Non-Timber Forest Products by Rural Women in Southwestern Nigeria. *Ife Journal of Agriculture*. 35(1): 1-13. Published by the Faculty of Agriculture, Obafemi Awolowo, Ile-Ife, Nigeria. <https://ija.oauife.edu.ng/index.php/ija/article/view/714/541> ISSN 0331-6351
(Onshore)

17. Akintunde, O., **Ajayi, F. O.**, Bamiwuye, O. and Olanrewaju, K. (2022). Factors Influencing Livelihood Diversification among Farming Households in Ejigbo Local Government Area of Osun State, Nigeria. *Journal of Scientific Papers Series Management, Economic Engineering in Agriculture and Agricultural Engineering*. 22 (3): 15 - 22. Published by University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Management and Rural Development, Bucharest, Romania. https://managementjournal.usamv.ro/pdf/vol.22_3/volume_22_3_2022.pdf ISSN 2284-7995
(Offshore)

18. Ibitunde, I. O., **Ajayi, F. O.**, Bamiwuye, O. A. and Sulaiman, O. A. (2021). Women's Involvement in Cassava Processing in Ijebu Ode Local Government Area, Ogun State, Nigeria. *Ife Journal of Agriculture*, 33(3): 32-38. Published by the Faculty of Agriculture, Obafemi Awolowo, Ile-Ife, Nigeria. <https://ija.oauife.edu.ng/index.php/ija/article/view/634/505> ISSN 0331-6351
(Onshore)

19. **Ajayi, F. O.**, Bamiwuye, O. A., Owolabi, K. E. and Alao, O. T. (2021). Perceived Effect of Climate Variability on Crop Production in Ife North Local Government Area of Osun State, Nigeria. *Uniosun Journal of Agriculture and Renewable Resources*. 5: 30 -40. Published by Osun State University Osogbo, College of Agriculture, Ejigbo Campus, Osun State, Nigeria
<https://journals.uniosun.edu.ng/ujarr/article/view/34/30> (Onshore)

20. **Ajayi, F. O.**, Olanrewaju, K., Akintunde, O., Bamiwuye, O. and Agboola, T. O (2021). Determinant of Mobile Phones Usage for Agricultural Purposes among Arable Crop Farmers in Iwo Zone of Osun State, Nigeria. *Journal of Agricultural Engineering*. 4 (2): 30 -40. Published by University of Belgrade, Faculty of Agriculture, Belgrade-Zemun, Republic of Serbia.
<https://scindeks-clanci.ceon.rs/data/pdf/0554-5587/2021/0554-55872104030A.pdf> ISSN 0554-5587
(Offshore)

21. Agboola, T. O., Akintunde O. K., Jimoh, L. O. and **Ajayi, F. O.** (2020). "Determinants of the food security status of farming households in Lagelu Local Government Area of Oyo State, Nigeria". *Applied Tropical Agriculture*, 25 (2): 84 – 91. A publication of the School of Agriculture and Agricultural Technology, The Federal University of Technology, Akure, Nigeria.
<https://journals.futa.edu.ng/home/paperd/1341/74/11> ISSN 1118-6712 (Onshore)

22. Owolabi, K. E., Ajetunmobi, F., **Ajayi, F. O.** and Oyeyemi, S. K. (2020). Adoption of organic farming practices among food crop farmers in Ondo West Local Government, Ondo State, Nigeria. *Benin International Journal of Agricultural Economics and Extension Services*. 5 (1): 103-113. Published by University of Benin, Edo. ISSN 2141-9817 (Onshore)

23. **Ajayi, F. O.**, Olajuyitan, O. P., Owolabi, K. E. and Agbana, O. (2019). Appraisal of women farmers' participation in cassava production activities in Iwo Agricultural Development Programme Zone of Osun State, Nigeria. *Nigerian Journal of Rural Sociology*. 19 (2): 20-25. Published by Rural Sociological Association of Nigeria.
<https://administrative.rusan.org.ng/storage/journal-issues/RUSAN-JOURN-2018-798.pdf>
ISSN 0189-7543 (Onshore)

24. Idris-Adeniyi, K. M., **Ajayi, F. O.** and Shobajo, O. F. (2019). Determinants of Fruits and Vegetables Consumption among selected Households in Olorunda Local Government Area, Osun State, Nigeria. *International Journal of Family and Consumer Sciences*. 8: 165-172. Published by Family and Consumer Sciences Society of Nigeria, Obafemi Awolowo University, Osun State. <https://ijfacs.org/index.php/ijfacs/article/view/19/18> ISSN 2315-9367 (Onshore)
25. Owolabi, K. E., **Ajayi, F. O.** and Oyeyemi, S. K. (2018). Analysis of Agro-biofortified Cassava Information Needs of Cassava Farmers in Akinyele Local Government Area of Oyo State, Nigeria. *Nigerian Journal of Rural Sociology*. 18 (2): 26-33. Published by Rural Sociological Association of Nigeria. <https://administrative.rusan.org.ng/storage/journal-issues/RUSAN-JOURN-2018-368.pdf> ISSN 0189-7543 (Onshore)
- vi. Review Articles: Nil
- vii. Refereed Conference Proceedings:
26. Akinlolu, A. O., Odejobi, O. A., **Ajayi, F. O.** and Jimoh, E. R. (2023). Mobile-based deep learning for Yam Disease Diagnosis. *International Conference on Science, Engineering, and Business for Sustainable Development Goals (SEB-SDG)* 1: 1-6. doi: 10.1109/SEB-SDG57117.2023.10124483. (Onshore)
- *27. **Ajayi, F. O.**, Bamiwuye, O. A., Alao, O. T., Kehinde, A. L., Akintunde, O. K. and Azeez, S. (2024). Assessment of farmer's usage of information communication technology (ICT) in the marketing of cocoa produce in Osun State. *International Conference on Management, Business, Administration and Legal Initiatives (MBALI)*. 1: 28 – 41. ISBN: 978-1-86818-149-0 (Offshore)
- viii. Un-refereed Conference Proceedings: Nil
- ix. Book Reviews: Nil
- x. Technical Reports: Nil
- xi. Patents and Inventions: Nil
- xii. Online Journal Articles: Nil

L. CURRENT RESEARCH ACTIVITIES

1. Funded Research:

Development of a decoupled solar sprayer for off-grid farmers in Nigeria sponsored by TETFair-4

2. Non-funded/self-sponsored Research:

- a. Poultry Waste Management Strategies among Farmers in Ido North Local Government Area of Oyo State, Nigeria

- b. Assessment of Farmer's Usage of Information Communication Technology (ICT) in Marketing of Cocoa Produce in Osun State, Nigeria
- c. Utilization of Alternative Feed Protein Sources among Fish Farmers in Osun State
- d. Spousal controlling behavior and experience of domestic violence in a selected Agricultural Development Zone of Osun State, Nigeria
- e. Role of Foreign Aid in Agriculture and Economy Development in Nigeria
- f. Assessment of Food Safety Practices among Cassava Processors in Kwara State, Nigeria

M. CONFERENCES AND WORKSHOP ATTENDED WITH DATES

- i. 2024 TETFund Alliance for Innovative Research (TETFAIR-4) High-Level Design Bootcamp Program. Held at the Innova8 Hub, Airport Road, Abuja. June 9 - 12, 2024.
Project Presented: Development of a Solar Powered Sprayer for an Off-grid Farm Site.
- ii. 17th Annual Conference of the International Research and Development Network of Children and Youth in Agriculture. Theme: Remaking the Past, Redeeming the Present, and Re-envisioning the Future for Sustainable Farming Innovations and Youth Engagement. Held at Obafemi Awolowo University, Ile-Ife. June 3 - 6, 2024.
- iii. 29th Annual Conference of Agricultural Extension and Society of Nigeria. Theme: Leveraging the dynamics of Agricultural Extension Policies and Practices for Sustainable Development. Held at The Federal University of Technology, Akure. April 21 - 24, 2024.
Paper Presented: ICT Access and Cyber Tool Perception among Agricultural Development Programme Staff in Osun State Nigeria.
- iv. 23rd Annual Africa Conference. Theme: African Knowledge System. Held at the University of Texas at Austin, United States of America. March 28 - 31, 2024.
Paper Presented: Factors affecting adoption and utilization of digital tools among mechanized farms in Southwest Nigeria.
- v. 2024 TETFund Alliance for Innovative Research (TETFAIR) Program. Held at the Innova8 Hub, Airport Road, Abuja. March 3 - 10, 2024.
Project Presented: Development of a Solar Powered Sprayer for an Off-grid Farm Site.
- vi. 28th Annual Conference of Agricultural Extension and Society of Nigeria. Theme: Changing Paradigms in Agricultural Extension. Held at Agricultural and Rural Management Training Institute (ARMTI) Regional Training Center, Abuja. May 14 - 17, 2023.
Paper Presented: Farmer's Usage of Information Communication Technology (ICT) in Marketing of Cocoa Produce in Osun State, Nigeria.
- vii. Leadership and Strategic Planning. A retreat organized by Osun State University Osogbo for Members of Council, Principal Officers, Provosts, Deans, Directors, Deputy Directors, Heads of

Departments Deputy Registrars, and Deputy Bursars at MicCom Golf Hotel and Resorts, Ada, Osun State between 30th May – 2nd May, 2023

- viii. Embracing Equity. UNIOSUN Women's Day Celebration held at Olagunsoye Oyinlola Auditorium on 27th April, 2023
- ix. Science Communication and the SDGs. The Global Affairs and Sustainable Development Institute (GASDI), Osun State University in partnership with Alpha Innovation Studio held at Multipurpose Hall, Behind Admin Building UNIOSUN, Osogbo on 14th April 2023
- x. Grant Writing Training. A one-day training organized for all academic staff of the College of Agriculture, at Lecture Theatre Ejigbo Campus on 13th April 2023
- xi. Department/Faculty Representative on CCMAS – CORE CURRICULUM AND MINIMUM ACADEMIC STANDARDS for the Nigerian University Systems- Training Organized by the office of the Vice-Chancellor/Deputy Vice-Chancellor (ARIP), Osun State University Osogbo
- xii. Unleashing the True Power of Collaboration with Researcher Discovery Feature on Scopus. At Elsevier, on Tuesday 12 April 2022. Presented by Isabel Butt Senior Product Manager, Dr Shubhra Dutta Customer Consultant
- xiii. Humboldt Kolleg/Conference funded by Alexander Von Humboldt and the Federal Republic of Germany. *High-Quality Publishing in the Academic Sphere: Perspectives in the Sciences, Humanities, and Social Sciences* held at Obafemi Awolowo University, Ile-Ife, Osun State between November 21-24, 2021
- xiv. Retreat for Principal Officers, Provosts, Deans, Directors, and Heads of Departments/Units organized by Osun State University held at MicCom Golf Hotels/Resorts, Ada Osun State between August 18 – 21, 2021
- xv. International Training on PedaL Online-Technology for Transformative Pedagogy organized by Steering Committee of the Partnership for Pedagogical Leadership in Africa (PedaL) in conjunction with Osun State University Osogbo held virtual between February 4 – 28, 2021
- xvi. AAU Faculty Online Teaching Modular Training Organized by Association of African Universities held on August 27, 2020
- xvii. The Book Publishing Process: An Elsevier Author Workshop Organized by Researcher Academy on Campus held on June 3, 2020
- xviii. The Article Publishing Process: An Elsevier Author Workshop Organised by Researcher Academy on Campus held on June 1, 2020
- xix. Train the trainer ethical retreat organized by the Centre for Ethics and Self Value Orientation in collaboration with UNIOSUN for 100 staff of the University held at Olagunsoye Oyinlola Auditorium main campus Osogbo between March 11 – 12, 2020

- xx. 28th Annual Congress and General Meeting of Nigerian Rural Sociological Association of Nigeria (RuSAN) held at Obafemi Awolowo University, Ile-Ife, Osun State. October 7 - 10, 2019.
Paper Presented: Appraisal of women farmers' participation in cassava production activities in Iwo Agricultural Development Programme Zone of Osun State, Nigeria.
- xxi. Academic Publishing workshop Organized by Research Journal of Health Sciences, Osun State University Osogbo, College of Health Sciences held on May 21 – 22, 2019
- xxii. Advanced Digital Appreciation Programme for Tertiary Institutions (ADAPTI) Training in Digital Bridge Institute (DBI), held at Osun State University Osogbo from August 13 – 17, 2018
- xxiii. 14th Annual Conference and General Meeting of International Research and Development Network of Children and Youth in Agriculture Programme in Nigeria (CYIAP) held at the Tai Solarin University of Education, Ijagun, Ijebu – Ode, Ogun State, Nigeria, July 8-11, 2018
Paper Presented: Rural Youth Involvement in Family Farming in Ila Local Government Area of Osun State, Nigeria.
- xxiv. Computer training organized for Osun State Workers in the 9 Federal Constituencies in the State held at Government Technical College, Ila-Orangun from November 27 - December 7, 2017
- xxv. 21st Annual Conference of the Agricultural Extension Society of Nigeria (AESON) 2016 Theme: Repositioning Agricultural Extension for Sustainable Agricultural Development and National Economic Regeneration held at University of Ibadan, Ibadan. Oyo State, Nigeria, April 17 – 20, 2016.
Paper Presented: Adoption of Moringa plant cultivation among farming households in Southwest Nigeria. A Tobit approach.
- xxvi. 12th Annual National Conference and Network Meeting of National Research and Development Network of Children and Youth in Agriculture Programme (CYIAP-NETWORK) in Nigeria. July 6 -8, 2015
- xxvii. Two-day workshop on “Effective Administration and Supervision of Student Industrial Work Experience Scheme (SIWES) Organised by the Federal Republic of Nigeria, Industrial Training Fund (ITF), held at Joseph Ayo Babalola University, Ikeji Arakeji. December 4 – 5, 2013
- xxviii. 2nd National Summit on Moringa Development, Kwara 2012, held at Women Developmental Centre Complex, Government House Road, Ilorin between October 28 -31, 2012
- xxix. 1st Osun State Specialized Training Workshop on Environmental Security Awareness Tips on Bomb Threats, Vandalism and Students Examination Malpractices Staff and Officers of Osun State Tertiary Institution organized by Brains Exchange Communications Network, Oshogbo Osun State held between September 11 -12, 2012

xxx. 1st University of Ilorin International Conference on Moringa in the 21st Century: Leading Edge Perspectives, Science and Application held at University of Ilorin Main Campus, Ilorin, Kwara State on 11th September 2012

N. EXTRA-CURRICULAR ACTIVITIES

-  Travelling
-  Meeting people
-  Networking
-  Reading and Surfing the net

O. ANY OTHER RELEVANT INFORMATION

- **TETFUND Desk Officer**, Osun State College of Education, Ila Orangun (2017-2018)
Duties: To serve as liaison officer between the College and TETFUND office in Abuja
- **Centre Coordinator**, College Computer Centre, Osun State College of Education (2013 – 2018)
Duties: Conduct a needs assessment that determines the kind of training to be provided to trainees, this includes identifying gaps between the skills of an individual trainee and what they need to be able to do.
To design and develop programs that will be used in organizations including; apprenticeship programs, on-the-job training, professional development classes, and many more
To handle practical and theoretical classes
Ensure examination questions and marking schemes are set and administered at the appropriate time to the trainee.

P. SUMMARY OF CONTRIBUTION TO KNOWLEDGE

(Focus: Gender studies, Smallholder farmers, Information Communication Technology, Climate change, Organic farming)

Dr Ajayi has contributed to knowledge and practice in the field of Agricultural Extension and Rural Development with a focus on the following areas: Gender studies, Smallholder farmers, Climate change, and Information Communication Technology.

Gender studies: The study on gender differentials in income and resource utilization among maize farmers (J.A. 4) revealed that gender inequality still plagues agriculture, male has an average farm size higher than females, and despite that, females still realize a higher return on the income realized. The study concludes that women are capable of using resources effectively to reach higher levels of farm income than men. The study on the level of utilization of poverty mitigation strategies by rural women (J.A 5) revealed that personal savings, petty trading, livestock keeping, and selling of farm produce

are the most utilized poverty mitigation strategies and this was significantly influenced by marital status and

educational qualification. J.A. 6 on assessment of post-harvest handling activities and marketing patterns of non-timber forest products by rural women revealed that the marketing patterns used were nearest town market; home sales, informal local markets, roadside, and the door-to-door channel. There were no organized marketing arrangements for their products. No specialized storage facilities and there was no value addition before selling the products. Binary logistic regression showed that age, marital status, number of dependents, ownership of land, and number of children were significantly related to post harvest handling activities. The paper recommended that Government and private institutions/NGOs should provide a centralized modern market and specialized storage facilities to prevent the wastage of certain NTFPs which could have been converted to money. The study on women's participation/involvement in cassava production/processing (J.A. 8, 13) revealed that women always participated in cassava production with the dominant activities like packing, harvesting, loading in vehicles, stem purchase, and stem cutting while the major constraints to participation in cassava production activities are access to land, access to agrochemicals, labor, inadequate storage facilities, and inadequate capital among others. The majority of women were involved in cassava processing for commercial reasons, they had no access to credit, poor market situation, high cost of processing materials, inadequate extension staff visitation, high cost of labor, and preoccupation with house chores. The study recommended that governmental and non-governmental agencies should grant women cassava processors access to credit to improve their cassava processing activities.

Smallholder farmers: Furthermore, his study on risk management strategies among smallholder rice farmers (J.A. 3) revealed that the major types of risk experienced by farmers were outbreaks of disease, price fluctuation, flooding, fire incidence, bad weather, and theft. All the farmers made use of agrochemicals, disease and flood-resistant species, and early-matured species as some of the management strategies adopted. These risk factors are not under the control of farmers but they have over the years developed ways of coping and managing them. (J.A. 7) identified farming households' livelihood activities, reasons for their multiplication, underlining factors for livelihood diversification, and the militating constraints faced. Off-farm livelihood activities identified include trading and carpentry among others. The foremost reasons for off-farm diversification were limited agricultural income, large families, and poverty. Indicated as influencing the household likelihood of off-farm livelihood diversification are household size, farming experience, and income. More so, households' livelihoods were constrained mainly by the unfavorable market price of a commodity, inadequate credit access as well as insecurity. It was concluded that trading and artisanal activities represented major off-farm livelihoods and their likelihood of exploration is chiefly underpinned by the household size, income, and farming experience. Rural market development is recommended for capacitating the households to substantiate their farm and

off-farm livelihoods. The study on the determinant of the food security status of farming households (J.A. 11) revealed the factors influencing food security status were gender, age, level of education, marital status, and primary occupation of the respondents. The study recommends that the Government should endeavor to empower rural households through empowerment and intervention programs to assist them in income generation. The respondents in the study area should try as much as possible to adopt suitable birth control methods to control the large household sizes and imbibe income generation and diversification. The study on fruit and vegetable consumption among households (J.A 14) revealed that onion is the most frequently consumed vegetable, followed by tomatoes, mango, amaranthus, waterleaf, and citrus. Apple is the least consumed fruit while celosia is the least consumed vegetable. Regression analysis revealed that the price of fruit and vegetables is negatively related to consumption. The study concluded that the frequency of fruit and vegetable consumption in the household is not appreciable and recommended a strategic awareness campaign in the study area to bring about increased knowledge of the nutritional values of fruits and vegetables and improved consumption behavior. J. A 15 analyzed agro-biofortified cassava information needs of cassava farmers, the study revealed that many of the farmers were aware of biofortified cassava and they get information from extension agents and radio. All respondents had the challenge of inadequate funds while many were faced with inadequate processing facilities. Further analysis revealed that there is no significant relationship between respondent's socio-economic characteristics and their awareness of bio-fortified cassava. Hence, the study recommends that extension agents should continue to reach out to the farmers especially through the radio in disseminating information about bio-fortified cassava.

Information Communication Technology: Moreso, diseases make crops deviate from their normal growth, reducing crop yield and production, hence the need to build an intelligent system to assist crop growers in improving yield. The Convolution Neural Networks (CNN) deep learning model was used in this study to develop an intelligent mobile-based system for detecting Yam diseases (J.A. 16). It was shown using a JAVA/XML Graphical User Interface (GUI). Three disease categories, namely Yam Anthracnose, Yam Mosaic Virus, and Healthy were used in this study. The test data's total accuracy was very high. Yam growers can utilize the GUI application program because it was designed to be user-friendly. Mobile phones are needed by the farmers to carry out this test. J. A 10 examined the determinant of mobile phone usage for agricultural purposes among arable crop farmers. The result revealed that the most frequently used applications include voice calls, calendars, calculators, and torch lights. Mobile phones facilitated timely access to needed services, eased production decision-making, enhanced income and profit, and accessed personalized information about new farming techniques. Major constraints identified for limiting the usage of phones for agricultural purposes were poor internet access, inadequate electricity to charge the mobile phone, poor network access, and high charges on services. Gender, level of education, years of farming, and information sources all jointly had a positive influence on farmers' use

of mobile phones for agricultural information. It was recommended that higher capacity of female and arable crop farmers with lower levels of education should be energized to utilize their mobile phones to enhance their production activities.

Climate change: J.A. 9 examined the perceived effects of climate variability on crop production and identified the adaptation strategies adopted by arable crop farmers toward climate variability. The main effects of climate variability as perceived by the farmers included changes in weather patterns which make weather unpredictable and unreliable, increased crop pests and disease infestation, increased food costs, and late commencement of rainfall. The three most important climate coping strategies used were soil and water conservation, cover cropping, and planting of resistant varieties of crops. Results of correlation analysis show that socio-economic variables such as age, household size, years of residency, and length of farming experience were significantly correlated with the perceived effects of climate variability on crop production. Moreover, water is an important substance to all forms of life and contains diverse chemical elements which may be suspended or dissolved.

Organic farming: J.A. 12 examined the organic farming practices among arable crop farmers. The majority of the farmers were aware of mulching and bush fallowing and they also agreed that organic farming improves crop production while the constraints limiting the practice of organic farming range from low income and high labor intensity.

Blue economy: Water is a major component in agricultural processes as it eliminates food scarcity and improves the well-being of humans. The competition for the use of water as increased as a result of industrialization and population, therefore, measures to judiciously use water are essential. This chapter looks at improvement in irrigation services as the major key to agricultural transformation and water usage (Chapter in Book 1). Another significance of water is the safe habitat it provides for fish and other aquatic creatures. Conversely, its presence in the right quantity and quality is important for aquatic biodiversity conservation. There is a need for humans to understand that there must be a balance between the development and conservation of coastal zones which must address conservation measures and sustainable use of marine resources for sustainable development. This chapter identifies the anthropogenic activities, resources, uses, and management procedures of coastal regions for the sustainability of the environment and fisheries biodiversity (Chapter in Book 2).

In conclusion, most farmers perceived changes in the weather pattern, increased crop pests and disease infestation, increase in food costs, and late commencement of rainfall as effects of climate variability. It recommends that governments at all levels should come up with programs and policies that will educate or capacitate farmers with climate-smart production technologies.

Presently am working on the utilization of digital tools among poultry farmers in Osun and Oyo State, the Utilization of alternative feed protein sources among fish farmers in Osun State, assessment of food safety

practices among cassava processors in Kwara State, Nigeria, and also on funded research titled development of a decoupled solar sprayer for off-grid farmers in Nigeria.

Dr. Ajayi's Google Scholar citation score was 17 with an h index of 3, a Research Interest Score of 24.6, 14 Citations, and an h index of 2 in ResearchGate as of May 30th, 2024. This has contributed to the visibility and present ranking of UNIOSUN on the Web.

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Signature:

Date