

CURRICULUM VITAE

Surname: OLUWAGBAYIDE
Former Surname FAGBAYIDE
First name: Samuel
Middle name: Dare
Birthday: 12th September, 1972
Place of Birth: Ode Ekiti, Ekiti State, Nigeria
Nationality: Nigerian
Marital Status: Married, three children
Current position: Principal Lecturer
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A. ACADEMIC QUALIFICATIONS AND DIPLOMAS

- Ph.D. (Agricultural & Environmental Engineering: Soil and Water Conservation Option) - University of Ibadan, Ibadan. Nigeria. February, 2021.
- ICDL PROFILE CERTIFICATE In: Documents (Advanced), Presentation (Advanced), Management Spreadsheet and Advanced Database (Syllabus 2.0/Microsoft Office 2010) January, 2020.
- Certificate of Attainment (Soil and Water Conservation Agriculture) – University of Queensland, Brisbane, Australia. August, 2014
- M.Sc. (Agricultural & Environmental Engineering) - Soil and Water Conservation Option) - University of Ibadan, Ibadan. Nigeria. October, 2006.
- B.Eng. (Agricultural Engineering) – Federal University of Technology, Akure, Ondo State, Nigeria. February, 2000.
- ND (Agricultural Engineering) – Federal Polytechnic, Ado Ekiti, Ekiti State, Nigeria. Dec. 1993.
- Senior Secondary School Certificate Examination (SSCE). - 1989

ONLINE CERTIFICATE COURSES

- Certificate in Introduction to Indoor Air Quality - The Hong Kong University of Science and Technology - Aug. 2020

- Certificate in Municipal Solid Waste Management in Developing Countries – Ecole Polytechnique Federale de Lausanne [EPFL] - Aug. 2020.
- Certificate in Global Environmental Management – Technical University of Denmark (DTU) – Aug. 2020
- Certificate in Water Resources Management and Policy – University of Geneva – Sept. 2020

A. SCHOLARSHIP AND PRIZES

Ekiti State Scholarship (2015 -- 2016)

B. FELLOWSHIP:

Awardee of Australia Awards Africa in Soil and Water Conservation Agriculture, held at University of Queensland, Brisbane, Australia. July 2014 - October, 2014

C. MEMBERSHIP OF LEARNED AND PROFESSIONAL SOCIETIES

- Corporate Member, American Society of Agricultural & Biological Engineers (ASABE). **1052758** (Feb., 2017)
- Corporate Member, International Association of Engineers. [IAENG] **130706** (May, 2013)
- Corporate Member, Nigerian Society of Engineers. MNSE **44798** (Oct., 2018)

D. EXPERIENCE

- Principal Lecturer, Agricultural and Bi-Environmental Engineering, Federal Polytechnic, Ilaro: January, 2022 to date
- Senior Lecturer, Agricultural and Bi-Environmental Engineering, Federal Polytechnic, Ilaro: January, 2019 to 2021
- Lecturer I, Agricultural and Bi-Environmental Engineering, Federal Polytechnic, Ilaro: January, 2016 to January 2018.
- Lecturer II, Agricultural and Bi-Environmental Engineering, Federal College of Agriculture, Akure, Ondo State, Nigeria. October, 2013 to January, 2015.
- Lecturer III, Agricultural and Bi-Environmental Engineering, Federal College of Agriculture, Akure, Ondo State, Nigeria. October, 2011 to October, 2013.
- Assistant Lecturer, Agricultural and Bi-Environmental Engineering, Federal College of Agriculture, Akure, Ondo State, Nigeria. September, 2008 to October, 2011.

i. TEACHING EXPERIENCE AT FEDERAL POLYTECHNIC ILARO, OGUN STATE, NIGERIA

- ABE 213: Irrigation and Drainage Technology
- ABE 223: Soil and Water Conservation
- ABE 311: Land Clearing and Development
- ABS 412: Advanced Soil and Water Conservation

- ABS 413: Irrigation Technology
- ABP 436: Farm Waste Management

TOP UP TEACHING EXPERIENCE AT FEDERAL UNIVERSITY OF OYE EKITI, EKITI STATE, NIGERIA

- FPY 411: Farm Design, Soil Survey and Land Use Planning.
- SOS 302: Soil and Water Conservation
- ABE 312: : Introduction To Agricultural and Bio-Resources Machinery

ii. ADMINISTRATIVE EXPERIENCE AND SERVICE TO THE COMMUNITY

- Head of Department, Agricultural and Bio-Environmental Engineering, Federal Polytechnic, Ilaro. From 2020 to date.
- Member SIFA Intervention committee. From June 2021 to Date.
- Member School of Engineering Conference Abstract Committee, Federal Polytechnic, Ilaro. From 2021 to date.
- Acting Head, Department of Agricultural and Bio-Environmental Engineering. From July 23rd to August 20th, 2019.
- Staff Adviser: Students of Agricultural and Bio-Environmental Engineering Department, Federal Polytechnic, Ilaro. From 2016 to December, 2019.
- Member School of Engineering Welfare Committee, Federal Polytechnic, Ilaro. From 2015 to date.
- Chairman, Agricultural and Bio -Environmental Engineering Department Farm Committee. From 2016 – 2019
- Member, Agricultural and Bio -Environmental Engineering Department Research Committee. From 2017 – 2020.

E. COMMUNITY SRVICES

- 2019 Electoral Collation Officer at Wasimi Ewekoro Local Government, Ogun State, Nigeria

F. SERVICES OUTSIDE THE POLYTECHNIC:

- Pastor in Charge of Parish, RCCG, Victory Assembly, Pahayi, Ilaro. 2018 to date
- Member Career Development Career Talk, Federal Polytechnic, Ilaro. 2021 to date

G. RESEARCH INTERESTS

- Air pollution, air quality control and management.
- Assessment of particulate matter,
- Water quality management,
- Irrigation scheduling,
- Water use efficiency,

PUBLICATIONS

H. JOURNAL PUBLICATIONS

1. Ogidan OK, **Oluwagbayide SD** and Ale T (2023). A Microcontroller-Based Irrigation Scheduling Using FAO Penman-Monteith Equation. *Turkish Journal of Agricultural Engineering Research (TURKAGER)*, 4(1): 1-14
2. **Oluwagbayide, S.D.** and Abulude, F. O. (2022). Assessment of the quality of dug well water samples in Nigeria and their suitability for drinking and irrigation purposes. *Sustainable Water Resources Management*. 8:149. <https://doi.org/10.1007/s40899-022-00736-8>
3. Abulude, F. O., Acha, S., Arifalo, K. M., Akinnusotu, A., **Oluwagbayide, S. D.**, Al Shoumik, B. A. and Gbotoso, A. O. (2022). Monitoring of air quality with satellite-based sensor: The case of four towns in Southeast, Nigeria. *ASEAN Journal of Science and Engineering* 3(1) (2022): 39-46.
4. Adenigba AA, **Oluwagbayide S. D** (2021). Evaluating the Effects of Milling Speed and Screen Size on Power Consumed During Milling Operation. *Turkish Journal of Agricultural Engineering Research (TURKAGER)*, 2(2): 260 -275. <https://doi.org/10.46592/turkager.2021.v02i02.001>
5. Okusanya MA, **Oluwagbayide S.D.**, Ogunlade C.B (2021). Impact of Improved Smoking Kiln Design on Hygiene and Timeliness of Drying of Smoked Fish. *Turkish Journal of Agricultural Engineering Research (TURKAGER)*, 2(1): 133-155. <https://doi.org/10.46592/turkager.2020.v02i01.010>
6. **Oluwagbayide S.D.**, Fasanu O, Oloruntade A.J (2021). Evaluation of Sprinkler Irrigation Evaporation Losses in Ilaro, Ogun State, South Western Nigeria. *Turkish Journal of Agricultural Engineering Research (TURKAGER)*, 2(1): 47-59. <https://doi.org/10.46592/turkager.2021.v02i01.004>
7. **Oluwagbayide, S.D.** and Adeeko, A. (2021). Analysis of Fruit Wastage Among Fruit Marketers in Akure Metropolis, Ondo State, Nigeria. *Scientific Journal of Mehmet Akif Ersoy University. Techno-Science*, 4(1): 33-39.
8. Enemaku L.E. and **Oluwagbayide, S.D.** (2021). Impact Assessments of Occupational Farm-Safety on Nigeria Agro-Economy Recovery Agenda. *Scientific Journal of Mehmet Akif Ersoy University. Techno-Science*, 4(1): 1-6
9. Abulude, F.O., **Oluwagbayide, S.D.**, Akinnusotu, A., Damodharan, U., (2021). Quality of Life: The Exposure of a Football Viewing Center in a Metropolitan Area to Noise Pollution. *Scientific Journal of Mehmet Akif Ersoy University. Techno-Science*, 4(1): 7-17
10. Lawal, R. A., Ogunseitan, T. O., Aako, O. L. and **Oluwagbayide, S.D.** (2021). Waste Analysis in Post-Harvest Fruit Marketing: A Measure To Reduce Economic Wastage in Ilaro, Ogun State, Nigeria. *Scientific Journal of Mehmet Akif Ersoy University. Techno-Science*, 4(1): 27-32.

11. Abulude F.O., Adeoya E.A., **Oluwagbayide S.D.** and Usha D. (2021). Trends in air pollution: The use of Mosses as Biomonitors. *Quality of Life*. 12(1-2): 31 – 38. DOI:10.7251/QOL2101031A
12. **Oluwagbayide S.D.**, Abulude F.O. and Omoniyi O. (2021). Study of physico-chemical composition in wet atmospheric precipitation in Akure, Nigeria. *Water Utility Journal (EWRA)* 26: 9-18
13. **Oluwagbayide, S. D.**, Okusanya, M.A., Amori, A.A and Akintade, J. O. (2020). Effect of Water Stress on Crop Yield and Water Productivity of Drip-irrigated Pepper (*Capsicum Spp.*) in Southwest Nigeria. *Journal of Experimental Agriculture International* 42(8): 131-143, 2020; Article no. JEAI.61423. DOI: 10.9734/JEAI/2020/v42i830579
14. Abulude, F. O., **Oluwagbayide, S. D.**, Akinnusotu, A., (2020). Assessment of rainwater quality obtained from a suburban area in Nigeria based on the Physico-chemical properties. *Techno-Science*, 3(2): 50-58.
15. Abulude, F.O., **Fagbayide S.D.**, Akinnusotu A., Elisha J.J. and Makinde O.E. (2019). Particulate matter and source identification: A case study of Nigeria. *Engineering and Applied Science Research*. 46(2):151-169
16. Abulude, F.O., **Fagbayide S.D.**, Akinnusotu A, Makinde. O. E. and Elisha J J. (2019). Assessment of the Indoor Air Quality of Akure, South – West, Nigeria, Article in *Quality of Life*. *Quality of Life* (2019) 10(1-2):15-27. DOI: 10.7251/QOL1901015A
17. Abulude, F O., **Fagbayide, S.D**, Akinnusotu, A. and Elemide, A. (2019). Ambient Air Quality Assessment in Nigeria: Challenges and Remedies. In: T. Umar, ed. *Multifarious Issues in Nigeria Today: Multidisciplinary Approaches*, 1st ed. Akure: Science and Education Development Institute, 124-132.
18. Ewemoje T. A., **Fagbayide S. D.** and Oluwasemire K.O. (2018). Lysimeter Determination of Crop Coefficient of Drip Irrigated *Jatropha Curcas*. Federal University of Technology, Akure, *Journal of Engineering and Engineering Technology*. FUTAJEET. (1): 159 – 170.
19. **Fagbayide S.D.** and Abulude F. O. (2018). Effects of human activities on water quality assessment of Ala River in Akure, Ondo State, Nigeria. *World Journal of Environmental Research*. 8(1): 37-44. DOI <https://doi.org/10.18844/wjer.v8i1.3486>
20. Abulude, F.O., **Fagbayide, S. D.** and Akinnusotu, A. (2018). Assessments of Noise Levels from Noise Sources in Akure, Nigeria: A Preliminary Study. *Iraqi Journal of Science*, 59(4C): 2195 – 2210. DOI:10.24996/ijjs.2018.59.4C.6
21. **Fagbayide S. D.**, Ewemoje T. A. and Oluwasemire K. O. (2018). Yield, Growth and Water Use Efficiency of Drip Irrigated *Jatropha curcas L.* in South Western Nigeria. Federal University of Technology, Akure, *Journal of Sustainable Technology*. 9(1): 98 -109.

22. Abulude, F. O; **Fagbayide, S. D.** (2018). Nitrate in Drinking Water. How Safe is this in Africa and Asia? *Analele Universitatii din Oradea, Seria Geografie*. Article no. 281103- 755; 28-35. <http://istgeorelint.uoradea.ro/Reviste/Anale/anale.htm>.
23. Abulude, F. O; **Fagbayide S. D.** (2018). Water, sanitation, and poverty in the changing world: Case of Nigeria. *Analele Universitatii din Oradea, Seria Geografie*. Article no. 281108-758; 91-96. http://istgeorelint.uoradea.ro/Reviste/Anale/on_line_first.html
24. **Fagbayide S. D.** and Ogedengbe K. (2017). Effects of Bamboo (*Bambusa Vulgaris (Schrad)*) Basic joint principles and techniques for irrigation and drainage network water supply system in agricultural systems. *International Journal of Agriculture and Food Science*, 6(17): 1037 – 1045.
25. Abulude, F. O., **Fagbayide S. D.**, Olubayode, S. A., Adeoya, E. A. (2017). Assessment of Physicochemical Properties of Soaps, Detergents and Water Samples Originated from Nigeria. *Continental Journal of Sustainable Development*. 8(1): 55-67. <https://doi.org/10.5281/zenodo.835473>.
26. Omoniyi, L. O., Bifarin, J. O., Ogunyinka, A. I., **Fagbayide, S. D.** and Arisoyin, A. O. (2015): Analysis of the effects of women farmers' involvement in cooperatives activities of their access to fertilizer. *Continental Journal of Agriculture Science*. 9(1): 2141-4203
27. Omoniyi L.O., **Fagbayide, S.D.** and Osundare, F. O. (2013): Sociol Economic Determinants of Farm Machinery Utilization Among Farmers in Akure South Local Government Area of Ondo State, Nigeria. *Continental Journal of Agricultural Science*. 7(1): 17-22.

I. ACCEPTED JOURNAL

Okusanya, Muyiwa A., Ogunlade Christopher B. and **Oluwagbayide Samuel D.** (2023). Development and Performance Evaluation of Double Shaft Plastic Bottle Crusher for Small Scale Industrial Application- Awaiting Publication in Turkish Journal of Agricultural Engineering Research (TURKAGER), June Edition, 2023.

J. EDITED CONFERENCE PROCEEDINGS

1. Oloruntade, A. J., Mogaji, K. O. and **Oluwagbayide, S. D.** (2021). Evaluation of Global Rainfall Products for Hydrological Modelling and Water Resources Management in Nigeria, Part I: Zonal and Temporal Analyses. Proceedings of the NMeTS 2020 International Conference & 34th Annual General Meeting (Virtual) Weather, Covid-19 and Consequences University of Ilorin, Ilorin, Nigeria (Nov 23 – 24, 2020). Page: 49-59.
2. **Oluwagbayide Samuel D** and Adenigba Ademola A. (2020). Applications of Drone in Enhancement of Agricultural Production. *Proceedings of the 2nd International Conference, The Federal Polytechnic, Ilaro, held on 10th – 11th Nov., 2020*.pp 668 – 673.

3. Awolola O. O. and **Oluwagbayide S. D.** (2020). Using communication for rural development (comdev) model to bridge the gap in educational development during and after covid-19 pandemic in Nigeria. NSE Ilaro virtual conference held on November 2nd to 4th, 2020.
4. Abulude, F. O, Ndamitso, M. M., Akinnusotu, A. and **Oluwagbayide, S. D.** (2020). Characterization of Halogen (Cl, Br, I) Emissions from Cooking Fuels in Nigerian Households Using Energy-Dispersive X-ray Fluorescence Spectrometry. Proceedings of the International Conference on Sustainable Development (ICSD 2020), Held online between September 21st and 22nd, 2020.
5. Amori, A. A., **Fagbayide, S. D.**, Akintade, J. A. and Okusanya, M. A. (2019). Improving Water Use Efficiency and Yield of Field Grown Pepper (*Capsicum annum L.*) Under Drip Irrigation in South Western Nigeria. 2019 ASABE Annual International Meeting to be held in Boston on July 7–10, 2019.
6. **Fagbayide, S. D.**, Ewemoje, T. A and Oluwasemire K. O. (2019). Experimental Determination of Growth-Stage-Specific Crop Coefficient of *Jatropha Curcas* in Sub-Humid Region of Nigeria. 2019 ASABE Annual International Meeting to be held in Boston on July 7–10, 2019.
7. **Fagbayide, S. D** and Adeeko, A. (2019). Analysis of fruit wastage among fruit marketers in Akure metropolis, Ondo State, Nigeria. 4th Faculty of Science International Conference held on 21st to 25th, April, 2019 at Adekunle Ajasin University, Akungba Akoko, Ondo State, Nigeria.
8. Adeeko, A., **Fagbayide, S. D.** and Ishola, O. O. (2018). Emerging roles of extension workers on the adoption of improved Cocoa technologies in Ondo State. Federal Polytechnic, Ilaro, Ogun State, Nigeria. First International Conference and Exhibition on Technological Innovation and Global Competitiveness. Held on 5th – 8th, November, 2018.
9. **Fagbayide, S. D.** and Okusanya, M.A. (2018). Performance evaluation of sprinkler evaporation loss in southwest Nigeria. Proceedings of 3rd National Conference, Academic Staff Union of Polytechnic, Federal Polytechnic, Ado Ekiti, Ekiti State, Nigeria held on 24th – 28th August, 2018.
10. Abulude, F. O., Furuuchi, M., **Fagbayide, S.D.**, Akinjagunla, Y.S. and Hata M. (2018). Assessment of particulate matter of Akure, Nigeria using a sharp-cut inertial filter combined with an impactor: A preliminary study. 2018 FUOYE International Science conference held on 11th to 12th June, 2018 at the Federal University of Oye Ekiti, Ekiti State, Nigeria.
11. Ewemoje, T. A. and **Fagbayide, S. D.** (2017). Lysimeter determination of crop coefficient of drip irrigated young *Jatropha curcas L.* Proceedings of Second Annual Conference of School of Engineering and Engineering Technology, Federal University of Technology, Akure, held on 11th – 13th July, 2017.

12. **Fagbayide, S. D.** and Abulude, F. O. (2017). Improving food security by effective agricultural water management in Nigeria. Proceedings of 6th National Conference, Faculty of Science, The Polytechnic Ibadan, Ibadan on 21st – 25th May, 2017.
13. Abulude F. O. and **Fagbayide S. D.** (2017). Water, sanitation, and poverty in the changing world: Case of Nigeria. Proceedings of 6th National Conference, Faculty of Science, The Polytechnic Ibadan, Ibadan on 21st – 25th May, 2017.
14. Adeeko, A., **Fagbayide S. D.** and Umunna, M. O. (2017). Value addition of *Jatropha* plant (*Jatropha spp*) in Nigeria-a panacea to Nigeria energy crisis. Proceedings of the 4th National Conference of Sustainable Livelihoods and Development Network for Africa (SLIDEN AFRICA) held at Jojein Hotels, Alagbaka, Akure, Ondo State, Nigeria from 27th – 30th March, 2017.
15. Abulude F. O. and **Fagbayide S. D.** (2016). Agro-Meteorological Monitoring: A study based on observations from Akure, Ondo State, Nigeria. Proceedings of 5th National Conference, Academic Staff Union of Polytechnic, Federal Polytechnic, Ilaro, Ogun State, Nigeria held on 16th – 19th October, 2016.
16. **Fagbayide S. D.** and Ogedengbe K. (2016). Performance Evaluation of Joints Techniques in Bamboo (*Bambusa Vulgaris Schrad*) Pipes as potential Irrigation Network System. Proceedings of 5th National Conference, Faculty of Science, The Polytechnic Ibadan, Ibadan on 5th – 9th June, 2016.
17. Okusanya M. A., **Fagbayide S. D.** and Ogunlade C. B. (2016). Development and Performance Evaluation of an Ethanol Gel Cook –Stove. Proceedings of the 3rd National Engineering Conference, School of Engineering, Federal Polytechnic, Ilaro, Ogun State on 7th – 10th March, 2016.

K. WORKSHOP / TRAINING

- Advanced Digital Appreciation Programme for Tertiary Institutions organized by Digital Bridge Institute, International Centre for Information and Communications Technology Studies between December 10th to 14th, 2018.
- Train- the – Trainers Workshop for FSD/TIER Project organized by M8 Global Know Network Limited and NBT Centre of Excellence for TVET between 27th to 28th, 2018.

L. NOTAB PATENT ON INVENTIONS

Design and Fabrication of Process Line for Palm Oil and Palm Kernel Production by: Akintade J.O., **Fagbayide S. D.**, Okusanya M. A., etc.

M. HOBBIES: Athletics, Travelling, Footballing, Reading

REFEREES

Prof. (Engr.) T. A. Ewemoje

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