

# CURRICULUM VITAE

## A. GENERAL INFORMATION

1. **Name:** OYEWUSI, Toyese Friday
2. **Date and Place of Birth:** 16<sup>th</sup> September, 1983/Ikire, Osun State
3. **Gender:** Male
4. **Nationality:** Nigerian
5. **State of Origin** Osun State
6. **Local Government Area:** Irewole
7. **Marital Status:** Married
8. **Name and Ages of Children**  
Miss Hadassah Oyebola Oyewusi, (12 yrs)  
Miss Shekinah Kikiolaoluwa Oyewusi, (9 yrs)  
Master Ephphata Oyetade Oyewusi (6 yrs)
9. **Name and Relationship of the Next of Kin with Telephone Number:** Mrs. Victoria Oyewusi (Wife)  
+2347036168403
10. **Permanent Home Address:** Plot 6, Irepodun Zone II, Owode-Ede, Osun State
11. **E-mail:** [toyese.oyewusi@uniosun.edu.ng](mailto:toyese.oyewusi@uniosun.edu.ng)
12. **Registration with Research Gate:** Yes
13. **If Yes, Provide the Link:** [https://researchgate.net/profile/Toyese\\_Oyewusi](https://researchgate.net/profile/Toyese_Oyewusi)
14. **If No, Why?:** Not Applicable
15. **Registration with Google Scholar:** Yes
16. **If Yes, Provide the Link:** [https://scholar.google.com/citations?user=ffkQX\\_0AAAAJ&hl=en](https://scholar.google.com/citations?user=ffkQX_0AAAAJ&hl=en)
17. **If No, Why?:** Not Applicable
18. **Cell Phone Number:** +2348035436068
19. **College/Faculty/Unit:** Engineering
20. **Department:** Agricultural Engineering
21. **Position on First Appointment with the University:** Lecturer I
22. **Present Position and Salary (Grade and Level):** Lecturer I  
CONUASS 4, Step 4
23. **Date of Present Position (Promotion/Regrading):** 30<sup>th</sup> November, 2022
24. **Is your appointment confirmed?:** Yes

25. **If No, why Not?:** Not Applicable
26. **Date of Confirmation of Appointment:** 2<sup>nd</sup> September, 2025

**B. EDUCATIONAL BACKGROUND**

**1. Educational Institutions Attended (with dates):**

- |      |  |             |
|------|--|-------------|
| i.   | Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria | 2018 – 2021 |
| ii.  | Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria | 2013 – 2016 |
| iii. | Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria | 2003 – 2008 |
| iv.  | Ilupeju Secondary School, Mushin, Lagos State, Nigeria   | 1995 – 2001 |
| v.   | Army Children School, Oshodi, Lagos State, Nigeria       | 1989 – 1995 |

**2. Academic and Professional Qualifications with Dates/Issuing Authority and Class of Degree/Grade Level must be included:**

- |      |   |      |
|------|---|------|
| i.   | Doctor of Philosophy Agricultural Engineering                               | 2021 |
| ii.  | Registered Engineer, COREN (R.41221)  | 2017 |
| iii. | Master of Science (66B+ Weighted Average), Agricultural Engineering         | 2016 |
| iv.  | Bachelor of Science (Second Class Lower Division), Agricultural Engineering | 2008 |
| v.   | SSCE  | 2001 |
| vi.  | First Leaving Certificate   | 1995 |

**3. OTHERS RELEVANT QUALIFICATIONS:** Nil

**4. HONOURS, AWARDS AND DISTINCTIONS:**

- |      |   |                   |
|------|---|-------------------|
| i.   | Best Researcher for Faculty of Engineering Adeleke University, Ede, Osun State.   | 2021/2022 Session |
| ii.  | Excellence Award in recognition of outstanding service as the Head of Department, Agricultural Engineering, Adeleke University, Ede, Osun State.  | 2021/2022 Session |
| iii. | Certificate of Excellence in Reviewing, Asian Journal of Agricultural and Horticultural Research 24 <sup>th</sup> February.   | 2022              |
| iv.  | African Centre of Excellence Scholarship Award for Obafemi Awolowo University Postgraduate (Ph.D) Students,   | 2017/2018 Session |
| v.   | Meritorious Award in recognition of outstanding service and selfless performance towards the development of Ikire community students, National Association of Ikire Students 12 <sup>th</sup> August. | 2018              |
| vi.  | Merit Award in recognition of selfless and humanitarian services toward mankind, Pace Setter's Club International 2 <sup>nd</sup> January.  | 2016              |

**5. RESEARCH FELLOWSHIPS WITH DATES:** Nil

- C. **WORK EXPERIENCE OUTSIDE THE UNIVERSITY SYSTEM (including names and addresses of employers)**
- i. Lecturer: Osun State College of Technology Esa-Oke, Osun State 2013 – 2019  
Schedule of duties: Teaching, instructing and supervision of students, collaborating with other academics and lecturers to improve teaching methods and expand knowledge base.
  - ii. Agricultural Engineer/Consultant: IDRC-CIDA/UNIOSUN Project Grants, Osogbo 2012 – 2017  
Schedule of duties: Value Addition and Training of Rural Women and Farmers on Production, Processing, Utilization and Marketing of Underutilized Indigenous Vegetables for Food Security and Financial Empowerment in Southwest Nigeria.
  - iii. Operation Manager: JAT & NAT Limited Wuse II, Abuja. FCT 2010 – 2012  
Schedule of duties: Construction and installation of wastewater pipeline
  - iv. NYSC Member – Teacher: Technical Secondary School Ovim, Abia State. 2009 – 2010
- D. **WORK EXPERIENCE OUTSIDE OSUN STATE UNIVERSITY (including names and addresses of employers):**
- i. **Lecturer I:** December, 2021 – November, 2022  
Department of Agricultural Engineering, Adeleke University, Ede, Osun State, Nigeria
  - ii. **Lecturer II:** April, 2019 – November, 2021  
Department of Agricultural Engineering, Adeleke University, Ede, Osun State, Nigeria
- E. **WORK EXPERIENCE IN OSUN STATE UNIVERSITY, OSOGBO**
- i. **Lecturer I:** November 30, 2022 to date
- F. **CO-CURRICULA PROFESSIONAL EXPERIENCE:** Nil
- G. **MEMBERSHIP OF PROFESSIONAL BODIES**
- i. Corporate Member; Nigerian Society of Engineers
  - ii. Corporate Member; Nigerian Institution of Agricultural Engineers
  - iii. Corporate Member; Nigerian Institution of Mechanical Engineers
- H. **SERVICE**
- i. **Service to the University:**  
**Osun State University**
    - a. Departmental, Examination Officer 2024 to date
    - b. Students Adviser (300 Level) 2023 to date
    - c. Chairman, Departmental Quality Assurance Committee 2023 to date
    - d. Coordinator, Departmental Students’ Project 2023 to date
  - ii. **Service to Community:**

- a. Community development service: sanitation czars, traffic marshall, etc.
- b. Resource person for IDRC: Promoting Underutilized Indigenous Vegetable.

iii. **Service to Nation:**

- a. External Examiner to the Department of Agricultural and Bio-environmental Engineering,  
Osun State Polytechnic, Ire Osun State 2021 to 2023

- iv. **Service to International Communities:** Editorial Member, Journal of Environmental  
Management 2023 to date

I. **COURSES TO BE TAUGHT/CO-TAUGHT IN THE CURRENT ACADEMIC SESSION**

**Harmattan Semester**

- 1. ABE 311 – Geology for Agricultural Engineers (2 Units)
- 2. ABE 403 – Hydraulic Engineering (2 Units)
- 3. ABE 405 – Agricultural Hydrology (2 Units)
- 4. ABE 409 – Agricultural Structures Design (2 Units)
- 5. ABE 411 – Treatment and Disposal of Solid Wastes (2 Units)
- 6. ABE 507 – Soil and Water Conservation Engineering (2 Units)
- 7. ABE 521 – Soil Traction, Land Clearing and Development (2 Units)
- 8. ABE 523 – Environmental Pollution (2 Units)
- 9. ABE 525 – Design and Research Project I (2 Units)

**Rain Semester**

- 1. ABE 102/202 – Basic Agriculture and Bio-Resources Engineering (2 Units)
- 2. ABE 302 – Basic Agricultural Soil Mechanics (2 Units)
- 3. ABE 308 – Basic Concepts in Environmental (2 Units)
- 4. ABE 508 – Agricultural Land Drainage (2 Units)
- 5. ABE 516 – Bio-process Waste and Effluent Management (2 Units)
- 6. ABE 526 – Design and Research Project II (2 Units)
- 7. ABE 528 – Advanced Soil Mechanics and Hydraulics (2 Units)
- 8. ABE 550 – Rural Water Supply and Sanitation (2 Units)

J. **GRADUATE STUDIES SUPERVISION** 5

K. **PUBLICATIONS**

i. **Thesis/Dissertations:**

- 1. **Oyewusi T.F.** (2021): A Study on Compost Extract for Fertigation of Selected Vegetables. Ph.D. Thesis, Department of Agricultural and Environmental Engineering, Obafemi Awolowo University, Ile-Ife, Nigeria.

2. **Oyewusi T.F.** (2016): A Study on Production of Briquettes from Corncobs. M.Sc. Thesis, Department of Agricultural and Environmental Engineering, Obafemi Awolowo University, Ile-Ife, Nigeria.
  3. **Oyewusi T.F.** (2008): Dynamic Determination of Sorption Isotherm of Stabilized Laterite. B.Sc. Thesis, Department of Agricultural Engineering, Obafemi Awolowo University, Ile-Ife.
- ii. **Books (authored/co-authored)** Nil
  - iii. **Books (edited/co-edited)** Nil
  - iv. **Monographs** Nil
  - v. **Chapters in Books**
1. **Oyewusi, T. F.**, Olaniyan, A. R., Ogundahunsi, O. E., Ilori, O. O., and Soji-Adekunle, A. R. (2025). Sustainable Bioenergy Generation from Biological Resources in the Global South. In: ed. Ogwu, M.C., Izah, S.C., Vazquez-Arenas, J.G., Feleke, S.T., and Wei, X. *Sustainable Bioeconomy Development in the Global South: Volume II Bioeconomy Techniques* (pp. 239-264). Singapore: Springer Nature Singapore.
  2. **Oyewusi, T. F.**, Omotosho, O. A., Adeboye, B. S., Oyelami, S., and Babalola, R. T. (2025). Production Techniques for Bio-based Products in the Global South. In: ed. Ogwu, M.C., Izah, S.C., Vazquez-Arenas, J.G., Feleke, S.T., and Wei, X. *Sustainable Bioeconomy Development in the Global South: Volume II Bioeconomy Techniques* (pp. 67-93). Singapore: Springer Nature Singapore.
  3. **Oyewusi, T. F.**, and Lamidi, W. A. (2024). Alternative Land Management Strategies and Their Impacts on Soil Conservation. In: ed. Ogwu, M.C., Izah, S.C., Dessureault-Rompré, J. and Gasparatos, D. *Sustainable Soil Systems in Global South*. Singapore: Springer Nature Singapore. pp. 427-449.
  4. Lamidi, W. A., and **Oyewusi, T. F.** (2024). Soil Utilisation Patterns in the Global South. In: ed. Ogwu, M.C., Izah, S.C., Dessureault-Rompré, J. and Gasparatos, D. *Sustainable Soil Systems in Global South*. Singapore: Springer Nature Singapore. pp. 113-134.
  5. Akubude, V. C., **Oyewusi, T.F.**, Okafor, V.C., Obumseli, P.C. and Igwe, A.O. (2022). Application of Nanomaterials in the Bioaugmentation of Heavily Polluted Environment. In: ed. Inamuddin, Charles O.A., Mohd, I. A., and Tariq, A. *Bioaugmentation Techniques and Applications in Remediation*, Taylor and Francis Ltd.
  6. Akubude, V. C., Jaiyeoba, K.F., **Oyewusi, T.F.**, Abbah, E.C. Oyedokun, J.A. and Okafor, V.C. (2021). Overview on Different Reactors for Biodiesel Production. In: ed. Inamuddin, Mohd, I.

- A., Rajender, B, and Mashallah, R. Biodiesel Technology and Applications, Scrivener Publishing LLC. Pp. 341–360.
7. Aransiola, E.F, Shittu, T.D., **Oyewusi, T.F.**, Adetoyese, A.O., Fagbeyiro, O.S. and Eyibio, U. P. (2020). Lignocellulosic Pretreatment Methods for Bioethanol Production. In: ed. Daramola, M. O. and Ayeni, A. O., Valorization of Biomass to Value-Added Commodities: Current Trends, Challenges, and Future Prospects. Green Energy and Technology. Springer Nature Cham, Switzerland. Pp. 135.
  - vi. **Articles in Learned Journals:**
  8. Fadare, O., Ilori, O., **Oyewusi, T.**, Adeyemi, F. and Sole-Adeoye, O. (2025). Evaluation of the Environmental and Social Benefits of Conversion Process of Open Cycle to Combined Cycle Gas Power Plant. *LAUTECH Journal of Engineering and Technology*, 19(3), 56-69.
  9. Ilori, O.O., Ogunranti, G.A., **Oyewusi, T.F.**, Sola-Adeoye, O.D., Fadare, O.A. and Adeyemi, F.F. (2025). Investigation of Relationship between the Surface Roughness and Residual Stress on Pearlitic Ductile Iron Face Machined. *ABUAD Journal of Engineering Research and Development (AJERD)*, 8(2), 170-175.
  10. Adeyemi, F. F., Ilori, O. O., Adeboye, B. S., **Oyewusi, T.F.**, and Oyewo, A. T. (2025). Mechanical Response on Influence of Bamboo Particles Reinforced with High Density Polyethylene. *Adeleke University Journal of Engineering and Technology*, 8(1), 170-178.
  11. Adeboye, S.A., Kolawole, O., **Oyewusi, T.F.**, and Oyewo, A.T., (2025). Development and evaluation of an autonomous solar lawnmower. *UNIZIK Journal of Engineering and Applied Sciences* 4(2):1852-1863
  12. Ilori, O.O., Akinbi, A.T., Abolokeji, C., Akamelu, C., Julius, M.O., **Oyewusi, T.F.**, Adeyemi, F.F. and Fadare, O.A. (2025). Experimental Investigation on the Effect of Thermal Parameters on Glass-Fiber Reinforced Composite. *UNIOSUN Journal of Engineering and Environmental Sciences*, 7(1), 359-368.
  13. Omotosho, O. A., Osunbitan, J. A., Ogunwande, G. A., and **Oyewusi, T. F.** (2024). Unlocking Sustainable Eco-Friendly Agriculture: The Role of Peroxide Oxidation Treated Cassava Processing Effluent In Bolstering Celosia Argentea Growth Parameters. *Journal of Engineering in Agriculture and the Environment*, 10(1), 14-14.
  14. **Oyewusi, T.F.**, Soji-Adekunle, A.R., Oguntunji, M.A., Ayo, V.O., Omotosho, O.A. and Ogundahunsi, O.E. (2024). Biopotential property of maggots as inoculum in anaerobic digestion of substrates for biogas production. *Journal of Engineering in Agriculture and the Environment* 10(2):43-54.

15. Ilori, O.O., **Oyewusi, T.F.**, Fadare, O.A. and Adeyemi F.F. (2024). Characterization and impact of cutting parameters on face-milled surfaces of pearlitic ductile iron. *Nigerian Journal of Technological Development*, 21(2), 32-41.
16. Ogundahunsi, O.E., Akpan, G.E., Agbaje, C.O., Oyeniyi, K., Olaoye, I.O. and **Oyewusi, T.F.** (2024). Energy Audit and Alternative Energy Source for Sustainable Processing of Cassava Products in Oyo State, Nigeria. *Journal of Engineering Research & Reports*, 26(7), 462-471.
17. Soji-Adekunle, A.R., Betiku, E., Asere, A.A., Falowo, O.A., **Oyewusi, T.F.** and Adeboye, B.S., (2024). Optimization and modeling of the performance of compression ignition engine fired on biofuel from non-edible vegetable oils. *Cleaner Energy Systems*, 7, 100105
18. **Oyewusi, T.F.**, Osunbitan, J.A., Ogunwande, G.A., Ademiju, T.A., Opadoja, C.O. and Amoo, M.O. (2023). Effect of compost extract processing parameters on soil physico-chemical properties after harvest. *Suranaree Journal of Science and Technology*, 30(6):1-9.
19. Joseph, O.P., **Oyewusi, T.F.**, Akinleye, M.T., Alomaja, J.A., Oluokun, G.O., Salami, L.O., and Adeleke, J.A. (2023). Behaviour of Ceramic Waste Powder-Cement Blended Concrete in Sulphate Environment. *Journal of Research Info. in Civil Engineering*, 20(1), 4563-4572.
20. Omotosho, O.A., Osunbitan, J.A., Ogunwande, G.A. and **Oyewusi, T.F.** (2023). Wastewater management for irrigated farming: Composition, morphology and production level variation in *amaranthus sp.* irrigated with peroxide-aeration treatment recycled cassava processing effluent. *Indian Journal of Engineering*, 20, e2ije1002.
21. **Oyewusi, T.F.**, Alebiowu, G., Aransiola. E.F., Soji-Adekunle, A.R. and Adeboye, B.S. (2023). Effect of Pretreatment on the Physical Properties and Heating Values of Briquettes. *Journal of Renewable Energy and Environment*. doi.org/10.30501/JREE.2022.327453.1329
22. Amoo, M.O., Aremu, T.E., **Oyewusi, T.F.** and Oguntunji, A.M. (2022). Quality Assessment of Roof Materials and Angle of Inclinations on Harvested Rainwater. *Adeleke University Journal of Science* 1(1): 118-127.
23. Soji-Adekunle, A.R., Betiku, E., Adeboye, B.S., Falowo, O.A., **Oyewusi, T.F.** and Oyerinde, A.Y. (2022). Optimized Biodiesel Synthesis from Binary Mixture of Honne and Yellow Oleander Seed Oils for Sustained Availability of Alternative Fuel. *UI Journal of Civil Engineering and Technology*, 4(1), 14-23.
24. Adeboye, B.S., Idris, M.O., Adedeji, W.O., Adefajo, A.A., **Oyewusi, T.F.**, and Adelekun, A. (2022). Characterization and energy potential of municipal solid waste in Osogbo metropolis. *Cleaner Waste Systems*, 2, 100020. doi.org/10.1016/j.clwas.2022.100020

25. **Oyewusi, T.F.** Osunbitan, J.A., Ogunwande, G.A. and Omotosho, O.A. (2021). Investigation into physico-chemical properties of compost extract as affected by processing parameters. *Journal of Environmental Challenge*, 5, 100370
  26. Amoo, M.O., Ajayi, A.E., **Oyewusi, T.F.** and Aremu T.E. (2021). Effects of Roof Materials and Roof Pitch on Some Selected Physiochemical Properties of Harvested Rainwater. *International Journal of Sciences, Engineering & Environmental Technology*, 6(14): 132–141.
  27. Amoo, M.O., Ajayi, A.E. and **Oyewusi, T.F.** (2021). Influence of Roof Material and angle of tilt on quantity of harvested rainwater: modeling and optimization. *New York Science Journal*, **14(10)**, 1-6.
  28. **Oyewusi, T.F.**, Osunbitan, J.A., and Adekola, T.A. (2021). Investigation into the suitability of well water near cassava processing areas for drinking and irrigation purposes. *Environmental Challenge*, 5, 100304
  29. Osunbitan, J.A. and **Oyewusi, T.F.** (2021). Response of *Solanum macrocarpon* to Irrigation and Organic Matter. *International Journal of Research and Innovation in Applied Science (IJRIAS)*. Volume VI, Issue II, 70-74.
  30. **Oyewusi, T.F.** and Osunbitan, J.A. (2021). Effect of compost extract on the growth and yield parameters of *Amaranthus* and *Celosia* Vegetables. *Environ. Challenge*, 5, 100302
  31. **Oyewusi, T.F.**, Osunbitan, J.A., Akinleye, M.T., Salami, L.O., Joseph, O.P. and Opadoja, C.O. (2021). Suitability of Opa Dam Water in Ile-Ife Nigeria for Drinking and Irrigation Purposes. *Adeleke University Journal of Engineering and Technology*, 4(1): 40-46.
  32. Aransiola, E.F., **Oyewusi, T.F.**, Osunbitan, J.A. and Ogunjimi, L.A.O (2019). Effect of Binders and Pressures on Physical Properties of Briquettes from Carbonized Corncob. *Energy Reports*, 5, 909-918.
  33. **Oyewusi, T.F.**, Aransiola, E.F., Oyinlola, T.A. and Adesigbin, J.A. (2018). Comparative Study of the Calorific Values and Gas Emissions of Briquettes Produced from Carbonized and Uncarbonized Process of Corncob. *Journal of the Nigerian Institution of Mechanical Engineers*, 8(2), 20-36.
- vii. **Refereed Conference Proceedings:**
34. Oyeniyani, W.O., Bello, A.A., Kareem, M.A. and **Oyewusi, T.F.** (2024). Effect of Calcined Cow Bone on Geotechnical Properties of Lateritic Soil Using British Standard Light. *Proceedings of International Conference on Engineering and Environmental Sciences*, 3: 421-433.

35. **Oyewusi, T.F.**, Aransiola, E.F., Osunbitan, J. A. and Ogunjimi, L.A.O (2019). A Comparative Study on the Physical Properties of Briquettes from Carbonized and Uncarbonized Corncobs. *Proceedings of the OAU Faculty of Tech. Conf.*, 7: 127-135.

viii. **Review Articles:**

Nil

ix. **Un-refereed Conference (attended with paper presented):**

1. Oke, A.M., Aremu, T.E., **Oyewusi, T.F.**, Ewemoje, T.A. Ojediran, J.O. and Ayobamidele, S.J. (2023). Investigation of Irrigation Depth and Interval on the Response of Cucumis sativa to Organic Matter. *Proceedings of the Bowen Humboldt Kolleg International Conference*, 38.
2. Amoo, M.O., Adedeji, M.A., Adesigbin, A.J. and **Oyewusi T.F.** (2019). Comparative Evaluation of Runoff Coefficients for Some Selected Residential Building Roofing Sheet Materials. A paper presented at the 12<sup>th</sup> International Engineering Forum, The Federal Polytechnic, Ado-Ekiti, Nigeria; 9<sup>th</sup> – 12<sup>th</sup> July, 2019.
3. **Oyewusi T.F.** and Ajobo, J.A. (2016). Local Content: A Tool for Sustainable Technological Development in Nigeria. A paper presented at the 2<sup>nd</sup> National Engineering Conference Osun State College of Technology, Esa-Oke, Osun State, Nigeria; 12<sup>th</sup> – 16<sup>th</sup> December, 2016.
4. Ajobo, J.A. and **Oyewusi T.F.** (2016). Enhancing Students Performance through Entrepreneurship Education in Nigeria. A paper presented at the 2<sup>nd</sup> National Engineering Conference Osun State College of Technology, Esa-Oke, Osun State, Nigeria; 12<sup>th</sup> – 16<sup>th</sup> December, 2016.

x. **Books Reviews:**

Nil

xi. **Technical Reports:**

1. The 4Rs Principle: Effective Ways of Managing Waste. A Paper Presented at the 3<sup>rd</sup> Faculty of Engineering Seminar Series, Adeleke University, Ede, Osun State. 2022
2. Agricultural Wastes: Untapped Sustainable Resources. A Technical Paper Presented at Nigerian Institution of Agricultural Engineers Osogbo Branch, Osun State. 2022
3. Report of technical experience and projects submitted for registration with the Nigerian Society of Engineers (NSE). 2017
4. Report of technical experience on engineering practice submitted for registration with the Council for the Regulation of Engineering in Nigeria (COREN). 2017

xii. **CURRENT RESEARCH ACTIVITIES**

- i. Conversion of Agricultural Wastes into Bio-products
- ii. Investigation into Renewable Energy for Effective Farm Management
- iii. Soil and Water Management for Effective Crop Production

iv. Reuse of Biomass as Materials of Construction

v. Farmstead Design and Planning

xiii. **CONFERENCES ATTENDED** (indicating titles of papers presented if any)

i. The 3<sup>rd</sup> International Conference on Engineering and Environmental Sciences, Olagunsoye Oyinlola Auditorium, Osun State University Osogbo, Osun State Nigeria; 25<sup>th</sup> - 28<sup>th</sup> November, 2024. Theme: Innovative Technology for Resources Utilization and Environmental Sustainability.

ii. The Nigeria Institution of Agricultural Engineers 24<sup>th</sup> International Conference, NSE Headquarters, Abuja, FCT, Nigeria; 14<sup>th</sup> -18<sup>th</sup> October, 2024. Theme: “Emerging Technologies for Agricultural and Environmental Sustainability and Food Security”.

iii. 31<sup>st</sup> Engineering Assembly, Council for the Regulation of Engineering in Nigeria (COREN) at the International Conference Centre, ICC, Abuja, FCT, Nigeria; 7th - 9th August, 2023. Theme: “Entrenching and Strengthening Engineering Practitioner’s Code of Conduct for Resilient Engineering Practice in Nigeria”.

iv. 30<sup>th</sup> Engineering Assembly, Council for the Regulation of Engineering in Nigeria (COREN) at the International Conference Centre, ICC, Abuja, FCT, Nigeria; 8th - 10th August, 2022. Theme: “Domestication and Development of Codes, Standards and Regulations as a Panacea for Engineering Infrastructural Failures in Nigeria”.

v. 2019 Faculty of Technology International Conference, Obafemi Awolowo University Ile-Ife, Nigeria, 22<sup>nd</sup> – 25<sup>th</sup> September, 2019.

vi. 12<sup>th</sup> International Engineering Forum, The Federal Polytechnic, Ado-Ekiti, Nigeria; 9<sup>th</sup> – 12<sup>th</sup> July, 2019.

xiv. **EXTRA-CURRICULAR ACTIVITIES**

Designing, Computing, Reading, Traveling, Facilitating and Meeting people

xv. **SUMMARY OF CONTRIBUTION TO KNOWLEDGE**

My research interest revolves around climate change mitigation and environmental sustainability from the perspective of agricultural waste management (conversion and utilization), water and wastewater treatment, soil and water management, renewable energy generation, and air pollution and control. I have worked extensively on these thematic areas and also have some articles published in reputable journals. My research activities and publications have contributed to knowledge in the areas of suitability of ground water near agricultural processing areas for drinking, irrigation purposes and wastewater recycle as source of irrigation water for crop and fish production. Also, I have contributed to knowledge in the area of organic fertilizer (compost and

compost extract) for production of plants and its effect on soil and plants. In addition, my research activities have advanced knowledge in the use of different agricultural wastes as a source of renewable energy (such as conversion of agricultural wastes into briquette and biogas) for domestic and industrial use. Furthermore, I have also contributed to the area of environmental remediation, and reuse of biomass as materials of construction. Other aspects include sustainable strategies for soil nutrients conservation and air quality management to protect human health and the environment from harmful effects of pollution.

Name

Toyese Friday Oyewusi



24/03/2026