

Department of Agricultural & Bio-Resources Engineering (ABE)

ABE-1: OLAYANJU Tajudeen Adeniyi (Professor)

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ResearchGate (RG): https://www.researchgate.net/profile/Olayanju_Tajudeen

LinkedIn (LinkedIn Profile): <https://www.linkedin.com/in/olayanju-adeniyi-6a8a5888/>

Google Scholar (Google Scholar Profile):

<https://scholar.google.com/citations?user=X2MNH2EAAAAJ&hl=en&authuser=2>

Scopus (Scopus Author ID): <https://www.scopus.com/authid/detail.uri?authorId=8223764300>

ORCID (ORCID iD): <https://orcid.org/0000-0002-4771-1171>

Abridged CV:

https://docs.google.com/document/d/1bium9SI32I_HZQIglS5qbKxyWtAlYlDU/edit?usp=sharing&oid=109218995686769241038&rtpof=true&sd=true

Passport-sized photograph:

<https://drive.google.com/file/d/1s2l1fMpsBOQkd57MOD2lYibpaiqXcHvn/view?usp=sharing>

Short Profile:

https://docs.google.com/document/d/1G_JTISn0R2SMY6d2zKphLzwFQ5NIa9_6/edit?usp=sharing&oid=109218995686769241038&rtpof=true&sd=true

Education:

Ph.D. Agricultural Engineering (Crop Processing and Storage) - University of Ibadan, 2002

M.Sc. Agricultural Engineering (Crop Processing and Storage) - University of Ibadan, 1997

B.Sc. Agricultural Engineering - University of Ibadan, 1992

Research:

"i) Research Focus and Contribution to Knowledge

My research focus is in the area of Crop Processing with special emphasis on the study of Engineering Properties and Machine Development. Presently, there is no serious commercial production of vegetable oil (especially from beniseed - sesame) in Nigeria. The seeds are exported in the raw state to other countries. Processing the seed in this country will add value to it, create employment and eventually lead to the development of their production. In the light of this, my research focus has been on the development of processing machines that would assist the small-scale oil processors increase their productivities, and with less drudgery. This was achieved by coming up with a package of low level equipment that they can afford. The components of the package would assist in the areas of dehulling, debittering, expelling, filtering and storage of the oil (Papers 3, 4, 5, 11, 15, and 19). Some of these machines were developed based on some determined physical, mechanical and aerodynamic properties of the seed (Papers 1, 2, 16, 26 and 30). Also the effect of moisture content and

wormshaft speed on expeller capacity; oil and cake qualities; and oil recovery from the seed were studied (Papers 6, 7 and 8) Further work on the thermal characteristics as related to its drying as well as modelling and optimizing the expression of oil from the seed was carried out (Papers 9, 13, 14 and 18). Also, research work was carried out on some other crops and fruits such as Ofada rice (Paper 17) and Maize (Paper 31) and Orange (Paper 12), Recent contribution was made in the area of bio – diesel production such as provision of useful information on process factors that determine yield of biodiesel from castor oilseed, characterization of biodiesel produced from castor oilseed as well as development of an in – situ batch equipment for biodiesel production (Papers 22, 23, 24 25 and 27). The sets of parameters generated and the machines developed to handle these crops are notable contributions to my research field.

(ii) Research Completed

- a) Development of Ofada Rice Threshing and Cleaning Machine. FUNAAB Project - 2011
- b) Biodiesel Production from Renewable Resources using Designed Transesterification Reactor Plant in a Batch Process. An – IFSERAR, FUNAAB Project. - 2010
- c) The Development of a Vegetable Oil Expeller/Filter Press (FIRO Research Project)
- d) The Development of a Palm Oil Refining Plant. (FIRO Research Project) 2003

(iii) Research Ongoing

Setting up of a Pilot Hydroponics System / Soilless Farming in Land Mark University. A Bic Concept / LMU Collaborative Project.

- b) Establishment of A - 4ha Cassava Demonstration Farm and Cassava Processing Quality Management in Landmark University. A- FUNAAB/CAVA (Cassava Adding Value to Africa) II Subgrant Project.

(iv) Community Development

Direct involvement in the training of farmers on the use of soybean and rice threshing machines especially in the South Western Nigeria. "

Awards Received:

a) Commendations

- i) Commendation from the Ag. Registrar on behalf of the Vice Chancellor, FUNAAB, Prof. O.O. Balogun, for the exceptional performance exhibited as a member of CERECOM - May 18, 2012
- ii) Commendation from the Ag. Registrar on behalf of the Vice Chancellor, FUNAAB, Prof. O.O. Balogun, for being a committed and dedicated member of the Ceremonials Committee - March 21, 2011
- iii) Appreciation from the Vice Chancellor, FUNAAB, Prof. O.O. Balogun, on behalf of SENATE for being a committed and dedicated member of the Timetable and Exam Committee - December 14, 2010

iv) Appreciation and Commendation from the Dean, College of Engineering, Prof. E.S.A. Ajisegiri, for showing commitment, dedication and devotion to duty during tenure as the Deputy Dean - April 1, 2010 v) Appreciation from the Vice Chancellor, FUNAAB, Prof. O.O. Balogun, for unflinching support and immense contributions given as the College Representative towards the huge success of 17th Convocation Ceremonies - March 5, 2010

vi) Commendation from the Registrar at the instance of SENATE, FUNAAB, for being an effective member of Senate Committee on Exam Results (SCER) - February 5, 2008

vii) Appreciation and Commendation from the Dean, College of Engineering, Prof. P.O. Aiyedun, for contributing immensely to the Interim Accreditation of the Agric Engrg Prog by COREN - July 10, 2008

viii) Appreciation from the Director, VCs Office on behalf of the Vice Chancellor, FUNAAB, Prof. O.O. Balogun, for the observation made on the Inscription on the Signpost at UNAAB Gate - June 30, 2008

ix) Commendation from the Registrar at the instance of the Vice Chancellor, FUNAAB, Prof. I.F. Adu, for winning an Award at the 1st National Design Competition on Process Equipment by RMRDC, 2005

x) Appreciation and Commendation from the Vice Chancellor, FUNAAB, Prof. I.F. Adu, for being an effective member of the team that won the NUC Best Overall NURESDEF Award - November 29, 2004.

b) Prices, Honours, Scholarships, National and International Recognition

i) Certificate of Recognition by African Union – As Champion to populate the African Union Network of Science (AUNS) - 2018

ii) Exemplary Leadership Award in Honour of selfless Service and awesome contributions to the Birth of the Nigerian Society of Engineers, Omu-Aran Branch - 2018

iii) LMU – CLR award towards the Recognition of the Agrarian Mandate of LMU -2018

iv) Revolutionary Leadership Award by LMU CBS Students - 2018

v) Effective Manager of the Year Award by LMU CSE Students - 2018

vi) Global Leadership and Generational Impact Award by David Oyedepo Student Legacy - 2017

vii) FUNAAB PGSA Award of Excellence in Recognition of Outstanding Performance in Driving academic Leadership and Selfless Service to the Development of Postgraduate Students - 2017

viii) First Bank, Kwara Business Unit Legacy Award for Grant Patronage - 2017

ix) The Legend Award of Excellence by TACSFON, FUNAAB - 2016

- x) Engineering Academic Staff of the Year Award by FUNAAB NUESA 2015 -
- xi) Enigma Award for Excellence by by Nig Univ Engrg Stud Ass.FUNAAB - 2013
- xii) Award of Honour, by Nig. Ass. of Fd Sc and Tech Students, NAFSTS, FUNAAB 2013 -
- xiii) Antigravity Award for Most Friendly Lecturer by NUESA, FUNAAB -2008
- xiv) National Award on Design of Process Equipment/Plant by RMRDC - 2005
- xv) The Legend Award of Excellence by TACSFON, FUNAAB 2016 -
- xvi) Enigma Award for Excellence by by Nig Univ Engrg Stud Ass.FUNAAB - 2013
- xvii) Award of Honour, by Nig. Ass. of Fd Sc and Tech Students, NAFSTS, FUNAAB- 2013
- xviii) Antigravity Award for Most Friendly Lecturer by NUESA, FUNAAB - 2008
- xix) National Award on Design of Process Equipment/Plant by RMRDC -2005
- xx) National University Commission Researcher Awards 2005 -
- xxi) Best Worker of the Year, Fed Inst of Ind.Res, (FIIRO)Lagos 1998 - 1999 &
- xxii) Best Worker of the Year, Fed Inst of Ind.Res, (FIIRO)Lagos 1998 - 1999 &
- xxiii) Best Graduate / Graduate of the Year Awards,Nigerian Society of Engineers

University Appointments:

Professor Olayanju has been involved in a number of administrative positions, offers academic leadership and enjoys cordial relationship with staff and students. He is honest, conscientious, and hardworking. He is endowed with the wright disposition to manage human, materials and financial

resources.

i) Administrative Experience

- a) Pioneer Vice Chancellor, Philomath University, Abuja October 2021 – July 2022
- b) Vice Chancellor, Landmark University, Omu - Aran August 2017 – Sept 2021
- c) Dean, Student Affairs, FUNAAB March 2017 – July 2017
- d) Deputy Dean, Student Affairs, FUNAAB January 2016 - Match 2017
- e) Member, Appointment and Promotion Committee of Academics Staff 2016/2017 -
- f) Pioneer Dean of Engineering, OYSCATECH, Igboora August 2013 – January 2015
- g) Deputy Dean, College of Engineering, FUNAAB December 2007 to April 2010
- h) Ag Head, Department of Agricultural Engineering, FUNAAB 2005/2006
- i) Postgraduate Programme Coordinator, COLENG, FUNAAB 2007-2010

i) Chairman, College Committee on Exam Results (COCER), FUNAAB	2010 -2013	
j) Chairman, COLENG Office Space Allocation/Utilization Committee 2012	2004	-
k) Chairman, COLENG Welfare Committee 2010	2006	-
n) Postgraduate Coordinator, Department of Agricultural Engineering 2010	2007	-
p) Chairman, Food Engineering Curriculum Development Committee	2010/2011	
q) Member, Implementation Committee on COLENG Accreditation	2012/2013	
r) College Representative, Promotion Assessment Panel, COLVET 2016	2004	-
s) College Representative, COLERM Board	2008 – 2016	

Membership of Academic & Professional Bodies

- i) Registered Engineer, Council for the Regulation of Engineering in Nigeria (COREN) - R8815)
- ii) Fellow, Nigerian Institution of Agricultural Engineers, FNIAE –M491
- iii) Fellow, Institute of Management Consultants FIMC - 2020
- iv) Member, Nigerian Society of Engineers (MNSE) – M9001
- v) Member, Nigerian Institute for Food Science and Technology (MNIFST)
- vi) Member, American Society of Agricultural and Biological Engineers, MASABE

Selected Conferences Attended

- i) International Bamboo Technologies Training Course for Developing Countries. China National Bamboo Research Centre (CBRC). Hangzhou. China. - June 21 to August 15, 2011
- ii) Participant at the Extension Orientation Workshop for Academic Staff organized by AMREC, FUNAAB
- April 18 to 19, 2006
- iii) Participant at the Workshop on Writing Grant Winning Research Proposal organized by RESDEC, FUNAAB
- January 4 to 6, 2006
- iv) Participant at the Workshop on Teaching and Academic Administration in the Nigerian University Systems organized by RESDEC, FUNAAB
-September 13 to 15, 2005
- v) Participant at the National Technical Workshop on the Capacity Building for Design and Development of Process Equipment and Plants organized by the Raw Materials Research and Development Council at ARCEDEM, Ibadan
August 12 to 14, 2003
- vi) Certificate Course on Mechanical Desktop – Advance Mechanical Engineering Design Programme CAD Station Ltd. Lagos
- May 15 – 26, 2000

- vii) Specialized Training in Agricultural and Food Process Engineering with emphasis on Food Extruder and Oil Expeller – Design Aspects, Computer Aided Design and Manufacturing organized by the Central Institute of Agricultural Engineering, Bhopal M.P., India. - 1999
- viii) Certificate Course on Basic-Advanced Computer Aided Drafting and Design for Research Engineers, CAD Station Ltd in collaboration with LASU/UNDP/UNESCO Proj - Feb 1998

Selected Publications

Effect of different nutrient solutions on the growth and biomass yield of hydroponic maize fodder

AO Jolaosho, EO Bello, PA Dele, OJ Fadeyi, JA Oyedepo, AT Olayanju, ...

Predictive Modeling of Functional and Physical Properties of Extrusion Cooked Ready-To-Eat Corn Meal

AA Aderele, A Babatunde, A Olayanju, A Waheed

Food ScienTech Journal 7 (1), 13-32, 2025

Development of an Automatic Poultry Waste Self-Cleaning System

OLAI ADEKOLA, S BOLUWATIFE, OA CHRISTIANA, AA TITI, DA AJAYI, ...

Impact assessment of a solid waste dump site on its host environment: Particulate Matter

DO Oke, JA Sonibare, EL Odekanle, FA Akeredolu, AT Olayanju, ...

2024 International Conference on Science, Engineering and Business for ..., 2024

1

Design and fabrication of a fish feed mixing cum pelleting machine for small-medium scale aquaculture industry

CE Okonkwo, MO Isaac, EA Alhassan, M Ogbevire, AS Alake, FO Ajao, ...

Open Agriculture 8 (1), 20220124, 2023

8

Development of a paddy rice de-husking cum polishing machine

AT Olayanju, JO Ojediran, SZ Hussain, AD Adewumi

Agricultural Engineering International: CIGR Journal 25 (1), 2023

4

THERMODYNAMIC EVALUATION OF A LOW-PRESSURE FISH DRYER

IA Ola, CI Agu, TMA Olayanju, OT Tomori, TS Adenipekun, O Afolabi, ...

LAUTECH Journal of Engineering and Technology 17 (1), 138-146, 2023

Drying Characteristics, Kinetic Modeling, Energy and Exergy Analyses of Water Yam (*Dioscorea alata*) in a Hot Air Dryer

AA Okunola, TA Adekanye, CE Okonkwo, M Kaveh, M Szymanek, ...

Energies 16 (4), 1569, 2023

25

Anthropometric seat design for bus drivers in southwestern Nigeria

OS Ismaila, SA Odunlami, SI Kuye, TMA Olayanju, AI Musa, NO Adekunle, ...

Mindanao Journal of Science and Technology 20 (1), 2022

5

Multivariate characterisation of morpho-biometric traits of indigenous helmeted Guinea fowl (*Numida meleagris*) in Nigeria

A Yakubu, P Jegede, M Wheto, AJ Shoyombo, AO Adebambo, ...

PloS one 17 (6), e0261048, 2022

Department of Agricultural & Bio-Resources Engineering (ABE)

ABE-2: ADEWUMI Johnson Kayode (Professor)

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Linkedin:

ResearchGate: 20182

Google Scholar:

Abridged CV:

https://docs.google.com/document/d/1K3aC_qONgbOodPUAo4cB6Kqi_gQMt8Ta/edit?usp=sharing&oid=109218995686769241038&rtpof=true&sd=true

Passport-sized photograph:

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Short Profile:

<https://docs.google.com/document/d/1-qPUP022tQD-lb42UJlwAsCmZAsEWQiT/edit?usp=sharing&oid=109218995686769241038&rtpof=true&sd=true>

Education:

1. School of Basic study (SBS - Kwara state college of Technology - ALevel - 1975-1977
2. ABU, Zaria. B.Eng (Agric. Eng) - 1977-1980
3. ABU, Zaria. M.Sc (Agric Eng) - 1983-1985
4. ABU, Zaria. PhD (Soil & Water Engineering) - 1994-1998
5. Advance Post Graduate (international course) in Irrigation and Soil Mgt. Volanic Centre, ARO. Bet-Dagan. Israel. (1986).

Research:

1. Design and Construction of an Affordable continuous - flow Drip Irrigation System for local Farmers. Sponsored by ARCN (Team leader)(N36m)
2. Soil detachment by raindrop impact- comparison of two predictive models.
3. Effect of Soil Erosion on Reservoirs Capacity in Nigeria.
4. Management of Large scale irrigation farms in Nigeria.
5. Masakwa Cultivation in Borno North- East Nigeria in Sustaining the soul. Indigenous Soil and water Conservation in Africa.
6. Review of Public irrigation Sector in Nigeria Sponsored by ENPLAN GROUP, ABUJA.
7. DFID/Propcom- Support for Small Rice Threshers in Nigeria (2007). Team leader (N2m).

Awards Received:

FUNAAB Vice Chancellor for "Productivity Award". 2014.

University Appointments:

1. Chairman, Committee of Deans and Director 2017-2018
2. Dean, College of Engineering 2013-2018
- 3.HOD - 2011-2013
4. Coordinator, Tractor Unit 2007-2013
5. Chairman, university central project monitoring committee (2014-2016)
- 6.Chairman, Task Force on University water Supply (2014-2016)
7. Coordinator, National Water Resources Capacity Building Network - South West Region (2010-2018)

Membership of Academic & Professional Bodies

1. Chartered Engineer (C.Eng) UK- 468862
2. Register Engineer (R.Eng). Nigeria- 12,222
3. Member, (MIAGRE) The institution of Agricultural Engineer UK
4. Member NSE (10690). Nigeria.
5. Member (MNIAE) M.162. Nigeria.
- 6.Member, international Erosion Control Association (IECA). USA.

7. Member, Nigeria National Committee for UNESCO-IHP.

Selected Conferences Attended

1. First Regional Symposium on Farming System approach to research extension and Training in Africa. Nairobi-Kenya 31-5 Nov. 1993
2. Farming System Assessment of Water Harvesting in Western and central Africa. Niamey, Niger Republic, organised by FAO Regional Office for Africa, Accra- Ghana. 25-30, 1999
3. First West African Society of Agricultural Engineering international conference. Held at Yar'adua conference centre Abuja. 19-31 October, 2002.
4. First General conference meeting of West Africa Net Work for Capacity Building in IWRM held at Erata Hotel, East Legion, Accra Ghana. 25-26 September, 2007.

Selected Publications

1. Adewumi, J.K. and Duru, J.O.(1984): Consumptive use coefficients for selected crop in Samaru, Northern Nigeria. Nigerian Journal of Engineering. Vol.II No.1 pp 1-8
2. Adewumi, J.K. (2000): Soil loss Tolerance Limit for effective Conservation Measure in Samaru, Northern Nigeria. Savanna Journal of Agricultural Mechanisation. Vol.2 No.1 pp 23-27
3. Mudiare, O.J. & J.K. Adewumi (2000): Estimation of infiltration from field- measured sorptivity values. Nigerian Journal of Soil Research. Vol. 1 No. 1 pp1-3.
4. Adewumi, J.K. & Kolawole (2000): Water Harvesting for Dry land Farming. "ZARIA GEOGRAPHIER" Journal of Environmental Studies and Human Development. New Series. Vol.15. No.1 pp 24-33.
5. Mofoke, A.L.E., J.K. Adewumi, F.E. Babatunde, O.J. Mudiare & A.A. Ramalan (2006): Yield of tomato under continuous - flow Drip Irrigation in Bauchi State of Nigeria. Journal of Agricultural water Management. 84. 166-172. UK.
6. Adewumi, J.K., Musa, J., Adeosun, O.J., Akpobidimiyen, O., Adekunle, A.A. and Adewumi, B. (2000): Soil detachment with Organic Mulching Using Rainfall Simulator in comparison with a short duration Natural rainfall for Effective Soil Conservation. Journal of Environmental Protection. Vol. 11, Pp 457-469. doi: 10.4236/jep.2020.116027.

Department of Agricultural & Bio-Resources Engineering (ABE)

ABE-3: ADEPOJU Victor Oluwayomi (Engr. Dr.)

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https://www.researchgate.net/profile/Victor-Adepoju-3?ev=hdr_xprf

<https://www.linkedin.com/in/victor-adepoju-b58466237/>

<https://scholar.google.com/citations?hl=en&user=1scvwqQAAAAJ>

<https://orcid.org/0000-0002-6164-389X>

Abridged CV:

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Passport-sized photograph:

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Short Profile:

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Education:

<https://funaab.edu.ng/staff/adepoju-victor-oluwayemi/>

Research:

Awards Received:

University Appointments:

Membership of Academic & Professional Bodies

Registered Member of the Council for the Regulation of Engineering in Nigeria (R71516)
2023

Corporate Member of Nigeria Institute of Agricultural Engineering (NIAE) (M2341)
2021

Registered Member of the Teachers Registration Council of Nigeria (OG/R/01162)
2018

Member of Nigeria Institute of Management (MNIM) (189839) 2012

Member of Onshore Offshore Oil and Gas Professionals (O3GP) (000137) 2012

Selected Conferences Attended

3rd College of Engineering International Conference on Engineering Innovations as a Catalyst for Rapid Economic Growth. Paper read: Physical and Mechanical Properties of Palm Kernel and Shell related to Frictional Separation; Performance Evaluation of a Draper Separator for Palm Kernel and Shell; and Design and Fabrication of a Laboratory Dynamometer.

Selected Publications

- i. Adepoju, V. O., Aderinlewo, A. A., Dairo, O. U., Adetunji, O. R., Babalola, A. A. (2023). Determination of Some Physical Properties of Palm Kernel and Shell in Relation to Frictional Separation. *Journal of Natural Science, Engineering and Technology*. Vol. 22(1): 39-52.
- ii. Ogunnowo, O. A., A. F. Adisa, V. O. Adepoju, O. U. Dairo, S. O. Ismaila, A. A. Babalola (2024). Performance Evaluation of a De-feathering Machine with Scalding Tank. *Agricultural Engineering International: CIGR Journal*, 26(1):241-248.
- iii. Aderinlewo A. A., Esezobor S. U., Adepoju V. O., Omotainse P. O., Azeez O. B. (2024). Effect of Pretreating Cattle Dung with Granulated Plantain Peel on Biogas Production. *Dutse Journal of Pure and Applied Sciences (DUJOPAS)*, 10(2b): 169-179.
- iv. Ogunnowo, O. A., A. F. Adisa, O. U. Dairo, V. O. Adepoju, S. O. Ismaila, and A. A. Babalola. 2024. Design and fabrication of a de-feathering machine with scalding tank. *Agricultural Engineering International: CIGR journal*, 26(3):186-196.
- v. Adepoju, V. O., Aderinlewo, A. A., Dairo, O. U., and Adetunji, O. R. (2025). Effect of Moisture Content of Two Varieties of Palm Kernel and Shell on the Coefficient of Sliding Friction of a Cloth Tarpaulin. *Journal of Pure and Applied Sciences (DUJOPAS)*. Vol. 11(3c): 372-381.
- vi. Adepoju, V. O., Aderinlewo, A. A., Dairo, O. U., and Adetunji, O. R. (2025). Effect of Canvas Material on the Coefficient of Sliding Friction of Dura Variety of Palm Kernel and Shell. *Journal of Pure and Applied Sciences (DUJOPAS)*. Vol. 11(3e): 65-74.

vii. Adepoju, V. O., Aderinlewo, A. A., Dairo, O. U., and Adetunji, O. R. (2025). Effect of Moisture Content and Oil Palm Varieties on the Coefficient of Sliding Friction of Kernel and shell on Fibre Material (Rug Canvas). *Arid Zone Journal of Engineering, Technology and Environment (AZOJETE)*. Vol. 21(4): 1005-1011.

viii. Adepoju, V. O., Aderinlewo, A. A., Dairo, O. U., and Adetunji, O. R. (2025). Effect of Moisture Content of Two Varieties of Palm Kernel and Shell on the Coefficient of Sliding Friction of a local Fabric. *FULafia Journal of Science and Technology*. Vol. 10(1): 8-13.

Department of Agricultural & Bio-Resources Engineering (ABE)

ABE-4: AROMINIYI MOSUNMOLA VERONICA (PRINCIPAL LABORATORY SCIENTIST)

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Abridged CV:

<https://drive.google.com/file/d/1V9Tq5uogOzcJ-nd2dqEcXsPYP48RFi4b/view?usp=sharing>

Passport-sized photograph:

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Short Profile:

<https://drive.google.com/open?id=1BT5JFPYb4yYyxTDukXPObluBuXWrwYa>

Education:

M.Fng .Environmental Resources engineering, Federal university of Agriculture, Abeokuta (in view)

B.Eng. Agricultural and Bio-Resources Engineering Federal university, Oye Ekiti, Nigeria (2024)

Higher National Diploma (HND), Agricultural Engineering Technology, Lagos State Polytechnic, Ikorodu, now Lagos State University of Science and Technology, Lagos State, Nigeria (2005)

Ordinary National Diploma (OND), Agricultural Engineering. The Federal Polytechnic, Ado-Ekiti Nigeria (1996)

Research:

* Assessment of Solid Wastes Management in a Local Palm Oil Mill, (B.Eng Thesis), Unpublished, 2024

* Construction and Performance Evaluation of a Drip System Evaporative cooler, (HND Thesis) ,Unpublished, 2004

* Construction of Palm Kernel Cracker (ND Thesis), Unpublished, 1996

Awards Received:

University Appointments:

Membership of Academic & Professional Bodies

Member, Nigerian Association of Technologist in Engineering C_12350 2021

Registered Engineer Tech., :The Council for the Regulation of Engineering in Nigeria (COREN)

R_7691ET 2022

Selected Conferences Attended

Selected Publications

Department of Agricultural & Bio-Resources Engineering (ABE)

ABE-5: SOBOWALE Adeyinka (Professor)

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ResearchGate: https://www.researchgate.net/profile/Adeyinka-Sobowale?ev=hdr_xprf

LinkedIn: <https://www.linkedin.com/in/adeyinka-sobowale-phd-r-engr-05b1085b/>

Google Scholar: <https://scholar.google.com/citations?hl=en&user=1r6rvfwAAAAJ>

Scopus:

ORCID ID: 0000-0002-8095-5936

Abridged CV:

<https://docs.google.com/document/d/1LKzy5o8d0aHgKqOoZ9HzfuknZk-liQNJ/edit?usp=sharing&oid=109218995686769241038&rtpof=true&sd=true>

Passport-sized photograph:

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Short Profile:

<https://docs.google.com/document/d/1CAHL8YPwz4Wdz8RwRC5VzvZl8S6JXL6r/edit?usp=sharing&oid=109218995686769241038&rtpof=true&sd=true>

Education:

- a. Doctor of Philosophy – Land and Water Engineering 2013
- b. Master of Science – Water Resources and Environmental Engineering 2005
- c. Bachelor of Engineering – Agricultural Engineering 1998

Research:

- a. Water Resources Study of Ologe Lagoon Catchment, GeoConsult Nigeria Limited, Lagos. - 2024
- b. Soil Survey and Fertility Mapping of 3,000 Ha farmland at Lower Ogun Irrigation Project, Mokoloki, Ogun State. KONSADDEM ASOCIATES, Ibadan, Nigeria - 2021
- c. Soil Characterization and Fertility Mapping of 3,000 Ha farmland at Middle Ogun Irrigation Project, Iseyin – Oyo Road, Oyo State. KONSADDEM ASOCIATES, Ibadan, Nigeria - 2021
- d. Technical Assessment of Flooding in Abeokuta Metropolis. Ogun State Government by the Nigerian Society of Engineers, Abeokuta Branch - 2020

Awards Received:

- a) Distinguished Service Award, Nigerian Institution of Water Engineers
2022
- b) Fellowship Award, Nigerian Institution of Water Engineers 2021
- c) Meritorious Service Award, Nigerian Institution of Water Engineers 2021
- d) Distinguished Service Award, Nigerian Institution of Water Engineers
2020
- e) Distinguished Service Award, Nigerian Institution of Water Engineers
2019
- f) Federal Ministry of Education and Research Fellowship on Managed Aquifer
Recharge, Technical University, Dresden, Germany, – €2,500 (Recipient) 2017
- g) United Nations World Water Assessment Programme, Training Grant on Water
and Sustainable Development, University for Foreigners, Perugia, Italy,
- \$2,560 (Recipient) 2015
- h) Tertiary Education Trust Fund (TetFUND) International Conference Grant,
– \$3,430 (Recipient) 2014
- i) West African Agricultural Productivity Programme Research Grant,
World Bank/ARCN, (\$77,576: Collaborating Scientist) 2014
- j) Cap-Net/UNDP Fellowship, hosted by Desert Research Foundation, Namibia
- \$2,250 (Recipient) 2013
- k) Outstanding Leadership Award – The Believers International Chapel, Abeokuta,
Ogun State, Nigeria 2011
- l) International Water Management Institute (IWMI) Research Grant, Colombo,
Sri-Lanka, - \$4,000 (Collaborating Scientist) 2011
- m) UNESCO Fellowship – Hosted by UNESCO chair in Hydrogeology, University
of the Western Cape, Cape Town, South Africa - \$1,800 (Recipient) 2011
- n) UNICEF Local Conference Grant, – \$750 (Recipient)
2011
- o) World Bank Supported National Water Resources Capacity Building
Network (NWRCBNet), Grant: \$141,176.50 (Collaborating Scientist) 2010
- p) Education Trust Fund International Conference Grant, –\$2,625 (Recipient)
2010
- q) Competitive Agricultural Research Grant Scheme, Agricultural Research Council of

- Nigeria - (Grant No.- RFA: 1/14 – \$225,000: Collaborating Scientist) 2010
- r) Merit Award, Agricultural Engineering Student Association (AGRESA),
Kaduna Polytechnic Chapter, Kaduna 2006
- s) National Youth Service Corps (NYSC), Kaduna State
1999
- t) Best Graduating Student research, Department of Agricultural Engineering,
Federal University of Technology, Akure 1998
- u) Merit Award, Nigerian Society of Agricultural Engineering (Student Body),
Federal University of Technology, Akure. 1995
- v) Dean's List, SEET, Federal University of Technology, Akure
1993

University Appointments:

- i. Member, College of Engineering Board, FUNAAB 2008 –
date
- ii. College of Engineering Representative, College of Biological Sciences Board,
FUNAAB 2023 – Date
- iii. College of Engineering Representative, Promotion Assessment Panel,
University Library 2023 – Date
- iv. College of Engineering Representative, Directorate of Student Industrial
Work Experience Scheme (SIWES) 2021-2022
- v. College of Engineering Representative, Promotion Assessment Panel,
Directorate of University Farms (DUFARMS) 2020-2021
- vi. SIWES Coordinator, Department of Agricultural and Bioresources Engineering,
FUNAAB 2019 - 2022
- vii. College of Engineering Representative, Promotion Assessment Panel,
College of Plant Science, FUNAAB 2018– 2021

Membership of Academic & Professional Bodies

- a) Member, Nigerian Society of Engineers (NSE)
- b) Fellow, Nigerian Institution of Water Engineers (NIWE)
- c) Member, Nigerian Institution of Agricultural Engineers (NIAE)

- d) Member, International Association for Hydrological Science (IAHS)
- e) Member, International Association of Hydrogeology (IAH)
- f) Member, West African Network for Capacity Building in Integrated Water Resources Management (WANET)

Selected Conferences Attended

- a. Lagos International Water Conference, 2024, Lagos, Nigeria
- b. 30th National Council on Water Resources, 2024, Abuja, Nigeria
- c. 29th National Council on Water Resources, 2023, Sokoto, Nigeria
- d. 6th NIWE International Water Conference, 2023, Abeokuta, Nigeria
- e. Lagos International Water Conference, 2023, Lagos, Nigeria
- f. NSE National Engineering Conference, 2023, Abuja, Nigeria
- g. 5th NIWE International Water Conference, 2022, Abuja, Nigeria
- h. NSE National Engineering Conference, 2022, Abuja, Nigeria
- i. 4th NIWE International Water Conference, 2021, Abuja, Nigeria

Selected Publications

- 1) Mustapha A., Sobowale A., Adeosun J., Badejo A., Ali Agaka Aremu, Vaisa Sini (2025) Spatial Modelling of Air Quality and Pollution Propagation Around an Active Dumpsite in Abeokuta, Nigeria. International Journal of Emerging Multidisciplinaries: Biomedical and Clinical Research, 3(1)

[https://doi.org/ 10.54938/ijemdbmcr.2025.03.1.441](https://doi.org/10.54938/ijemdbmcr.2025.03.1.441)

- 2) *FSobowale A., Dideoluwa F. P., Adeniyi A. R., Sakariyawo S. O., Tijani M. N. and Igboro S. B. (2024) Simulation of managed aquifer recharge by recycling treated wastewater in Nigeria. Agricultural Engineering International: CIGR Journal, 26(2): 9 – 22. Published by International Commission for Agricultural Engineering (CIGR) (SCOPUS, SCIMAGO)

<https://cigrjournal.org/index.php/Ejournal/article/view/8925/4215>

- 3) *Sobowale, A., Adegbenro, E. D., and Mustapha, A. T. (2024) Hydraulic Evaluation of Urban Drainage System for Flash Floods in Abeokuta, Nigeria. Bima Journal of Science and Technology, Vol. 8 (1B): 218 – 228, published by Faculty of Science and Technology, Gombe State University, Gombe, Nigeria.

<https://journals.gjbeacademia.com/index.php/bimajst/article/view/628/562>

- 4) *Mustapha A., Sobowale A., Adeosun O. J. and Badejo A. A. (2024) Influence of Meteorological Parameters on Air Pollution Propagation in an Active Dumpsite in Abeokuta,

Nigeria. Bima Journal of Science and Technology, Vol. 8 (1A): 39 – 49, published by Faculty of Science and Technology, Gombe State University, Gombe, Nigeria.

<https://journals.gjbeacademia.com/index.php/bimajst/article/view/588/525>

5) FSobowale A, Ramalan A.A., Mudiare O.J. and Oyebode M.A (2020) Modeling Water Productivity of Selected Grain Crops in Rain-Fed and Surface Irrigated Fields in Northern Nigeria., Hungarian Agricultural Engineering, Vol. 37:80 – 89. Hungarian Academy of Sciences, published by Szent Istvan University, Godollo, Hungary (EU). <http://real.mtak.hu/110623/1/12%20cikk%20HAE%2037.pdf>

6) Sobowale A. and K.S. Adeyemo (2020) Modeling Water Demand in a Growing Public University in Nigeria, Nigerian Journal of Technology, Vol. 39 (4): 1255-1262, Published by Faculty of Engineering, University of Nigeria (UNN), Nsukka, Nigeria.

<https://www.nijotech.com/index.php/nijotech/article/view/2471>

7) FSobowale A, Ramalan A.A., Mudiare O.J. and Oyebode M.A (2018) Groundwater Dynamics and Recharge Trends in Semi-Arid Irrigated Lands of Nigeria, Hungarian Agricultural Engineering, Vol. 33: 48 – 54. Hungarian Academy of Sciences, published by Szent Istvan University, Godollo, Hungary (EU).

<http://real.mtak.hu/48470/1/04.pdf>

8) Sajo O.S., Sobowale A. and Ojeabulu V. (2018) Influence of Catchment Surface and Harvesting Time on Quality of Rainwater in Peri-Urban Settlements. International Journal of Agriculture and Food Science, Vol. 8(2): 1141 – 1265, Published by Joseph Ayo Babalola University, Ikeji-Arakeji. Nigeria

<https://jabu.edu.ng/wp-content/uploads/2022/08/JABU-International-Journal-of-Agricultural-and-Food-Sciences-Volume-8.pdf>

9) Ogunbowale Y.B., Sobowale. A., Dada, P.O.O., and Ojekunle Z.O. (2018). Technical Capacity Gaps and Performance Modelling in State Water Agencies in Southwest Nigeria. NIWE Water Journal, 1(1): 40 – 51, published by Nigerian Institution of Water Engineers, Nigeria.

https://peddlesoft.com/media/publications/NIWE_Water_Journal_Vol_1No1.pdf

10) Akangbe O. E., Akinyemi J. O., Adeosun O. J., Badejo A. A., Sobowale A., Dairo O.U. (2018). Impact of Climate Variability on Cowpea Yield in Ibadan, Southwest Nigeria. NIWE Water Journal, 1(1): 30 – 39, published by Nigerian Institution of Water Engineers, Nigeria.

https://peddlesoft.com/media/publications/NIWE_Water_Journal_Vol_1No1.pdf

Department of Agricultural & Bio-Resources Engineering (ABE)

ABE-6: ADERINLEWO Adewole Ayobami (Professor)

08066605551

"ResearchGate: [www.researchgate.net/ Adewole Aderinlewo](http://www.researchgate.net/Adewole_Aderinlewo)

LinkedIn: [LinkedIn.com/in/adewole-aderinlewo-73784522](https://www.linkedin.com/in/adewole-aderinlewo-73784522)

Google Scholar: [scholar.google.com/adewole aderinlewo](https://scholar.google.com/adewole_aderinlewo)

ORCID Number: 0000-0002-2469-2932"

Abridged CV:

<https://docs.google.com/document/d/1aHgP3DXSmg52PskOmeejldcLLh7Oazce/edit?usp=sharing&oid=109218995686769241038&rtpof=true&sd=true>

Passport-sized photograph:

<https://drive.google.com/file/d/1bc1igr5EgoW4FCG8yUzSomHpzIOam2Pb/view?usp=sharing>

Short Profile:

<https://docs.google.com/document/d/1t3HR-opISuPakIRnEB7sOYn9NAN5OcEm/edit?usp=sharing&oid=109218995686769241038&rtpof=true&sd=true>

Education:

PhD Agricultural and Environmental Engineering
University of Ibadan, Ibadan (2011)

M.Sc. Agricultural and Environmental Engineering
University of Ibadan, Ibadan ,(2000)

B.Sc. Agricultural Engineering , Obafemi Awolowo University, Ile Ife , (1997)

Research:

Research completed

- a. Design and construction of a mechanical vibrator for yam tuber.
- b. Development of a draper separator for palm kernel and shell

- c. Development of a mobile melon depodding machine
- d. Development of a manual vegetable seed broadcaster.

(ii) Research in progress

- a. Development of an incline plane separator for palm kernel nut and shell
- b. Development of a single row cassava stem planter
- c. Development of a cassava tuber peeling machine
- d. Optimization and fabrication of a portable floating drum biogas reactor

Awards Received:

IBR Research grant 2024

University Appointments:

- a). Programme Leader, Agricultural Mechanisation and Energy Research Programme, IFSERAR, April 2024 till date
- a) Acting Head of Department of Agricultural and Bio-resources Engineering, August 2019 to July 2021
- b) Acting Programme Leader, Agricultural Mechanisation and Energy Research Programme, IFSERAR. August 2018 to July 2020
- c) COBFAS coordinator for COLENG, 2017 - 2020

Membership of Academic & Professional Bodies

- i. Corporate Member Nigerian Society of Engineers (R.17111) 2006
- ii. Registered Member, Council for the Regulation of Engineering in Nigeria (R14, 745) 2008

Selected Conferences Attended

- i. 3RD College of Engineering International Conference on Engineering Innovations as a Catalyst for Rapid Economic Growth. May 24 – 26, 2021
- ii. PASAE-NIAE 2021 Virtual International Conference. Pan African Society of Agricultural Engineers. April 19 – 22, 2021
- iii. College of Engineering International Conference, Federal University of Agriculture, Abeokuta , May 14th -17th, 2018. Paper read: Design and construction of a motorized juice extractor.
- iv. College of Engineering International Conference, Federal University of Agriculture, Abeokuta , March 7th -11th, 2016. Paper read: Performance evaluation of a two row cowpea planter
- v. Faculty of Technology International Conference. Obafemi Awolowo University, September 20th – 25th, 2015. Paper read. Performance evaluation of a rotary screen cowpea cleaner.
- vi. 6th International Conference of the Nigerian Institution of Agricultural Engineers, Obafemi Awolowo University, Ile Ife. 11 - 15th September, 2009
- vii. 3rd International Conference on Science and National Development, Federal University of Agriculture, Abeokuta. 24 - 27th November, 2008. Paper read: Moisture Dependence of some Aerodynamic Properties of Beniseed.

Selected Publications

1. Eberendu N. O., Adisa A.F., Aderinlewo A. A., Kuye S. I. and Asiru W. B. (2022). Mathematical modelling of thin layer convective drying of sulphited steam-cooked white yam (*discorea rotundata*). . International Journal of Engineering, 20(1): 45 -53 Published by University POLITEHNICA Timisoara, Romania. <http://annals.fih.upt.ro> (Google scholar/Ebscohost)
2. Eberendu N. O., Adisa A.F., Aderinlewo A. A., Kuye S. I. and Asiru W. B. (2022).Expending and conserving energy in pounded yam flour production. Journal of Agricultural Engineering, 47(2): 1-10. Published by University of Belgrade
3. Osanyinpeju K.L., Aderinlewo A. A.,Dairo O.U., O.R. Adetunji, E.S.A. Ajisegiri (2022). Development of the shape of of the cam profile of a mechanical yam vibrator using cycloid motion. Journal of Sustainable Engineering and innovation, 4(1):34-45
4. Osanyinpeju K.L., Aderinlewo A. A.,Dairo O.U., O.R. Adetunji, E.S.A. Ajisegiri (2022).Investigation of vibration technique to control physical properties of yam (*discorea rotundata* poir.) durig storage. Journal of Tropical Crop Science, 9(1):77-85
5. Osanyinpeju K.L., Aderinlewo A. A.,Dairo O.U., O.R. Adetunji, E.S.A. Ajisegiri (2022). Application of vibration technique for the control physical properties of yam (*discorea* spp.) sprouts durig storage I Funaab, Nigeria environment. Journal of Bioresource Management, 9(1):144-164

6. Osanyinpeju K.L., Aderinlewo A. A., Dairo O.U., O.R. Adetunji, E.S.A. Ajisegiri (2022). Performance Evaluation on the utilization of an established variable amplitude and frequency of a vibrating container for potential application in slowing down sprouting in yam tuber. *Journal of Engineering and Environmental Sciences*, 4(2): 120-130
7. Aderinlewo A. Adewole, Obukomena O. Akivie, Olayemi J. Adeosun and Peter O. Omotainse (2021). Effect of pretreating poultry wastes with cocoa pod husk ash and cassava peel ash on biogas production. *FUOYE Journal of Engineering and Technology* 6(1): 7-9. Published by Faculty of Engineering, Federal University of Oye-Ekiti. <http://journal.engineering.fuoye.edu.ng>
8. Adisa A. F., Mamah, K. C., Aderinlewo A. A., Ismaila S. O.,(2020). Effectiveness of rubber as roller material for rice processing machine. *Journal of Agriculture and Natural Resources* 54: 98-104. Published by Elsevier Publishers (Scopus).
9. Aderinlewo A. A. and Afose M. D. (2020). Performance evaluation of a hand pushed vegetable seed broadcaster. *Journal of Engineering Research* 25(2): 192 -196. Published by University of Lagos. <http://journals.unilag.edu.ng>
10. Aderinlewo A. A., Ayokambi S. A.,Dairo O. U. and O. J. Adeosun (2019) Evaluation of the Performance of a rotary screen cowpea cleaner – A Response Surface Approach. *Journal of Engineering and Technology* 4(1):13-18. Published by Federal University of Oye Ekiti. <http://journal.engineering.fuoye.edu.ng>