

CURRICULUM VITAE: ENGR. PROF. OLALUSI, A. P.

1. **Names in full:** OLALUSI Ayoola Patrick
2. **Place and Date of Birth:** Akure, Ondo State. 5th June, 1969
3. **Nationality:** Nigerian
4. **Marital Status:** Married
5. **Number and Ages of Children:** Three (23, 21 and 19 years)
6. **Permanent Home Address:** 3, Mogie Close, Arowolo Bus Stop,
Mowe, Ogun state, Nigeria.
7. **Present Postal Address:** Department of Agricultural Engineering
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Tel: +234-802-340-3828
8. **Present Employment, Status and Salary (*both in level and amount*):**
Professor/GL07_CONUASS/Step 5
9. **Educational Institutions Attended (*with dates*):**
 - (a) **Primary:** Sacred Heart Primary School, Akure. Sept., 1975 – July, 1981
 - (b) **Secondary:** Oyemekun Grammar School, Akure. Sept., 1981 – July, 1986
 - (c) **Tertiary:**
 - (i) Federal University of Technology, Akure. Nigeria. 1987 – 1992
 - (ii) Federal University of Technology, Akure. Nigeria. 1994 – 1998
 - (iii) Federal University of Technology, Akure. Nigeria. 2004 – 2011
10. **Qualifications (*with dates*)**
 - (a) **Academic:**
 - (i) Ph.D., Agricultural Engineering (Storage and Processing option), 2011
 - (ii) M.Eng., Agricultural Engineering (Storage and Processing option), 2000
 - (iii) B.Eng., Agricultural Engineering, 1992

(b) Others (if any):

- (i) Certificate in Computer Windows Management, 2000
- (ii) Certificate in Mechanical Desktop (Advanced Machine Design Software), 2000

11. Distinctions:

- (i) Federal Government of Nigeria Post-Graduate Scholarship Award, 1996
- (ii) West Africa Agricultural Productivity Programme (WAAPP), Nigeria, Research Grant for the Development and evaluation of a floating fish feed extruder(US\$62,500) as the *Principal Investigator*-(on going)

12. Membership of Professional Bodies:

- (i) Member, Nigerian Institution of Agricultural Engineers (1999)
- (ii) Corporate Member, Nigerian Society of Engineers (2000),
- (iii) Member, American Society of Agricultural and Biological Engineers (2011)
- (iv) Member, Agricultural Society of Nigeria
- (v) COREN Reg.

13. Review of Academic and Professional Journals:

- (i) Journal for Sustainable Technology, FUTA
- (ii) Journal of Industrial Research and Technology
- (iii) Reviewer of Proceedings of the Nigerian Institution of Agricultural Engineers (NIAE)
- (iv) Reviewer of Conference Proceedings of Nigerian Society of Engineers (NSE)
- (v) FUTA Journal of Engineering and Engineering Technology
- (vi) International Commission of Agricultural and Biosystem Engineering (Internationale du Genie Rural, CIGR) Journal, Japan.
- (vii) Natural Resources, Scientific Research, USA.

14. External Examinership:

- (a) Undergraduates:**
 - (i) Adeleke University, Ede, Osun State.
 - (ii) University of Uyo, Uyo, Akwa Ibom State
- (b) Postgraduates:**
 - (i) Federal University of Agriculture, Abeokuta, (PhD)
 - (ii) Centre of Excellence in Agricultural Development and Sustainable Environment, FUNNAB (PhD)
 - (iii) Federal University of Oye Ekiti, Oye Ekiti (M.Eng)

(c) Member NUC Accreditation Team

15. Work Experience:

(a) University:

- (i) **Visiting Professor**, Food Science and Technology Department, Mountain top University, Ibafo, Nigeria (December, 2021 to date)
 - Provided input on the design of new courses
 - Developed Proposal for Coconut Value Chain
 - Teaching and Research
- (ii) **Dean**, College of Basic and Applied Sciences, Mountain top University, Nigeria(2020 to 2021)
 - Lead monthly Academic Board of Studies
 - Coordinate the development of new academic programs and curricula and revision of the existing ones
 - Oversee the Recruitment of Academic Staff and mentoring of Junior faculty members
 - Coordinate student admissions, registration, academic advising, and graduation requirements.
 - Develop and manage the faculty's budget
 - Encourage faculty involvement in research projects and securing research funding
 - Chief Editor, MTU Journal of Science and Technology
- (iii) **Director**, Centre of Research, Innovation and Collaboration, Mountain top University, Nigeria (2018 to 2019)
 - Developed and formulated a new Research Policy for the University
 - Set up and Supervise Research Ethics Committee for the University
 - Present reports on research activities in the university and external stakeholders
 - Coordinate the Intellectual Property division and Technology Transfer
 - Coordinate and Lead proposal writing for Research Grants
 - Promote collaboration and interdisciplinary research initiatives within the university and with external partners.
 - Initiate relationships between university and the industry.
 - Promoted community service and outreach activities
- (iv) **Professor (Sabbatical)** , Food Science and Technology Department, Mountain top University, Nigeria (December, 2019 to 2021)
 - Chairman, Business Committee of Senate
 - Chairman, Student Welfare Committee
 - Chairman, University Library Committee
 - Chairman, Board of Studies of CBAS
 - Member, University Senate
 - Member, University Tender Board
 - Teaching, Research and Mentoring
- (v) **Visiting Professor** : Food Science and Technology Department, Mountain top University, Nigeria (October, 2018 to 2019)
- (vi) **Professor**, Agricultural and Environmental Engineering Department, FUTA, Nigeria (October, 2018 to date)

- (vii) **Reader/Associate Professor**, Agricultural and Environmental Engineering Department, FUTA, Nigeria (October, 2015 – 2018)
- (viii) **Senior Lecturer**, Agricultural Engineering Department, FUTA, Nigeria (October, 2012 – 2015)
- (ix) **Lecturer I**, Agricultural Engineering Department, FUTA, Nigeria (October, 2008 – 2012)
- (x) **Lecturer II**, Agricultural Engineering Department, Federal University of Technology, Akure (FUTA), Nigeria (February, 2004 - September, 2008)
 - Departmental Coordinator for SIWES Oct. 2006 – 2014
 - Departmental Examination/Time Table Officer, Oct. 2004 – April 2012.
 - Departmental Seminar Coordinator, 2007 – Present
 - Staff adviser/registration officer for 200 level students.
 - Member, SEET Data Processing Committee, 2010 to date
 - Member, SEET Solar Power Committee, 2009-2012
 - Member, SEET Time Table Committee, 2006 – 2014
 - Member SEET Board of Studies, 2004 – present
 - Chairman, SEET Committee on Innovation and Technology, 2014 to date.
 - Member, University Committee on Innovation and Technology, 2014 to date.
 - Chairman, Crop Processing Center Sub-committee of Step-B Sustainability. 2015 to date
 - Member, University Committee on Step-B Sustainability. 2014 to date.
 - Departmental Representative in School of Postgraduate Studies(SPGS) 2014 to 2016.
 - Member, Thesis Registration Committee in SPGS 2014 to date
 - Won the West Africa Agricultural Productivity Programme (WAAPP), Nigeria, Research Grant for the Development and evaluation of a floating fish feed extruder (N10,260,000) as the Principal Investigator-
 - Won the Forum for Agricultural Research in Africa and BiomassWeb, Germany, Research grant to facilitate Mass and energy balance analysis of pneumatic dryers for cassava and development of optimization models to increase competitiveness (Euro 24,950).

(b) Research Institute:

- (i) **Senior Research Officer**, Engineering and Project Development Department, Federal Institute of Industrial Research, Oshodi (FIIRO), Lagos (2003 – 2004).
- (ii) **Research Officer I**, Engineering and Project Development Department, Federal Institute of Industrial Research, Oshodi, Lagos (FIIRO), (1999 – 2002).
Conduct Reserarch in the area of Food Processing Machinery Design and fabrication
 - Developed Niger Grass Harvesting Machine
 - Developed Colloidal Milling Machine
 - Developed Cowpea Dehulling Machine
 - Member of the Institution Think Thank Committee for the Development of Indigenous Technology for the Nigerian Food Industries.
 - Member, FIIRO Workshop and Fabrication Committee

(c) Polytechnic:

- (i) **Lecturer III**, Agricultural Engineering Department, Ondo State Polytechnic (now Rufus Giwa Polytechnic), Owo.(1997 - 1999)
- Teaching, Research and Community Service
 - Member, Town and Gown Committee and Community Relations
 - Member, Timetable and Examination Committee
 - Departmental Examination Officer

(d) Industry:

- (i) **Production Supervisor**, McElyon Ventures, Gbagada, Lagos (1993 – 1994)
- Implement process optimizations to increase productivity and reduce waste.
 - Monitor and maintain product quality by implementing quality control measures
 - Oversee the maintenance and repair of production equipment and machinery
 - Monitor production costs and find ways to reduce waste
 - Coordinate the procurement and inventory management of raw materials
 - Introduce automation and new technologies into the production process to enhance efficiency

(e) Others:

- (i) **Technical Tutor**, Akure Academy, Akure, 1994 – 1997
- (ii) **Technical Extension Officer**, North – East Arid Zone Development Programme, Garin Alkali, Yobe State (National service –NYSC) (1992 – 1993)
- (iii) **Industrial Attaché**, International Institute of Tropical Agriculture, Ibadan (April – October, 1991)

16. Courses Taught at the University Level

(a) Undergraduate Level:

First Semester: Agricultural Material Technology (AGE 419), Farm Electrification and Electronics (AGE 431), Engineering Properties and Handling of Agricultural Materials (AGE 565), Agricultural Engineering Seminar (AGE 513), Food Engineering (AGE 517)

Second Semester: Engineering Management (AGE 502), Automotive servicing and Maintenance (AGE 531), Machine Design and Drawing (AGE 328)

(b) Postgraduates Level:

First Semester: Engineering Properties of Agricultural Materials (AGE 835), Advanced Storage Technology (AGE 837), Mechanics of Machines (AGE 721), Instrumentation and Control (AGE 826)

Second Semester: Advanced Food Engineering (AGE 834), Advanced Material Handling (AGE 838), Alternative Energy and Solar Application in Storage and Processing (AGE 836), Crop Processing Techniques (AGE 740)

17. Postgraduate Supervision

(a) Masters degree:

Major Supervision

- (i) Agbede, O. (AGE/04/2777) Development and evaluation of a forced convection solar dryer (Completed, 2014).
- (ii) Oni, I. O. (AGE/08/5373). Effect of properties of palm oil on its storability in selected production centers in south western Nigeria. (Completed, 2014)
- (iii) Odiase G. (AGE/06/7882). Modelling drying characteristics of moringa oleifera and fluted pumpkin leaves. (Completed, 2014)
- (iv) Olukoya, K. R (AGE/86/7899). Development and evaluation of a heat pump Dryer (Completed, 2014)
- (v) Agbola, O. O.(AGE/07/0206). Drying characteristics and organoleptic properties of fermented locust beans (*Parkia biglobosa*) (Completed, 2015)
- (vi) Akinrinde, A.K. (AGE/12/1596). Development of a digester for the production of biogas from quail waste and jatropha cake (Completed, 2015)
- (vii) Abolarinwa O.S. (AGE/07/0192). Development and Evaluation of a biodiesel reactor (Completed, 2015)
- (viii) Osadipe, O.F. (AGE/12/1599). Technical Assesment of postharvest losses of tomatoes and mangoes during handling (Completed, 2015)
- (ix) Nwaeche, C. F. (AGE/13/5485). Development and evaluation of a conditioning system for a floating fish feed extruder. (Completed, 2016)
- (x) Adio, O. K. (AGE/10/2817). Influence of product and machine parameters on the performance and quality of a pre-conditioned fish feed extrudates. (Completed, 2016)
- (xi) Owa, T. O. (AGE/14/2830). Effect of machine and process parameter on the performance of a floating fish feed extruder. (Completed, 2018)
- (xii) Omole, O. (AGE/14/1162). Influence of machine and process parameter on the quality and selected properties fish feeds from a single screw extruder. (completed).
- (xiii) Adenigba, A.A. (AGE/06/7840). Performance evaluation of a fish feed milling and mixing system. (completed)
- (xiv) Adedeji, Adenike Elizabeth. (AGE/16/0723). Effect of drying parameters on the physical properties of extruded fish feed. (Completed, 2019)
- (xv) Erinle, Christianah Erinle. (AGE/09/6488). Engineering properties and nutritional composition of selected fish feeds in Nigeria. (Completed, 2018)
- (xvi) Ogundari, Adebusola Adebusayo. (AGE/16/0727). Development of a conveying system for a continuous flow floating fish feed. (Completed, 2021)
- (xvii) Okoli, Francis Okechukwu. (AGE/16/0727). Mass and Energy Balance Analysis of a continuous belt Dryer for a floating fish feed. (Completed, 2021)
- (xviii) Evabeta, Ese Timeyin. (AGE/12/580). Optimization of cassava mash dewatering systems. (Completed, 2017)
- (xix) Aderotoye, Adenike Mary AGE/11/7207. Influence of feed composition on the floatability and nutritional value of fish feed produced from single screw extruder (Completed, 2018)
- (xx) Olaoye, Saheed Abiola. (AGE/17/5268). Optimization of cassava mash dewatering systems. (Completed, 2020)
- (xxi) Ojekunle, E. I. (AGE/18/8709) Development and Performance Evaluation of a Castor Oil Extractor (Completed, 2022)

- (xxii) Aleriwa, O. I. (AGE/14/0434). Development of a Castor Seed Thresher (Completed, 2022)
- (xxiii) Tiamiyu, Saheed. O. (AGE/20/7746) Development and Evaluation of a Snail meat Extractor (ongoing)
- (xxiv) Aderibigbe, P. I. (AGE/15/2147). Development and Evaluation of Snail Meat Washing Machine (ongoing)
- (xxv) Tifase, Eunice. O. (AGE/10/2818). Bioethanol Production From Cashew Fiber Waste Using *Saccharomyces cerevisiae* And *Aspergillus* species Microorganisms in a Developed Reactor. (ongoing)
- (xxvi) Olusola, Goodness T. (AGE/15/2231). Development and Evaluation of a manual snail canning and seaming machine with integrated steamer (ongoing)

(b) Ph.D degree:

Major Supervision

- (i) Isa, J. (AGE/99/2074). Development and product characterization of a foam mat dryer for water melon juice. (Completed, 2016)
- (ii) Ogunnaike, A. F.(AGE/13/6581). Development and evaluation of a continuous flow belt dryer for a wet extruded floating fish feed. (Completed)
- (iii) Odewole, M. M. (AGE/16/0493). Influence of magnetic field pretreatment on the Drying characteristics and qualities of sweet pepper (*Capsicum annuum*) and fluted pumpkin (*Telfairia occidentalis*) leaf. (Completed)
- (iv) Ajayi, O. (AGE/03/1297). Energy recovery from biomass wastes for electricity development: case study of selected agro-process industries in Nigeria. (Ongoing)
- (v) Oloye, A. O. (AGE/95/5813). Optimization of cold storage of yam tubers for export competitiveness (Ongoing)
- (vi) Alabi, K. P. Development of multi-frequency pulsed magnetic field treatment device and its effect on the freezing process and qualities of selected fruits and vegetables (ongoing)
- (vii) Olaoye, S. A.(AGE/17/5268) Development and optimization of an infrared assisted double-pass solar dryer with thermal storage for snail meat(ongoing)
- (viii) Olaleye, S. A.(CRET/07/2055) Development and optimization of an automated top-lit-up-draft biomass powered cabinet dryer for cocoyam and potato slices(ongoing)

Minor Supervision

- (i) Atere, A. O.(AGE/93/4452), Optimization and product characterization of a maize (*zea mays L.*) flour mill. (Completed, 2016).
- (ii) Adetola, O.A. (AGE/95/5766). Investigation of tillage practices, variety, nutrient and moisture on physical and mechanical properties of cassava tubers.(Completed)
- (iii) Olabinjo, O. O. (AGE/95/5770). Development and evaluation of essential oil extractor machine from selected agricultural material. (Completed)
- (iv) Koyenikan, O.O. (AGE/99/4159). Flootation and characterization of a Fish feed extrudates on the performance of *Clarias Gariepinus*. (Completed)

- (v) Adegbite, S.A.. (AGE/00/7189). Heat and mass transfer analysis in flash dryer for cassava flour production. (Completed)
- (vi) Abolarinwa, S. O. (AGE/07/0192). Development and evaluation of an acha dehulling machine (ongoing)
- (vii) Aduewa, T. O. (AGE/04/2775). Development and optimization of an automated solar powered hot-air supplemented dryer for white yam slices (Completed)

18. Research in Progress

(a) On-going research:

- (i) Development of cassava grating system with uniform grain size
- (ii) Engineering properties of whole snail and snail meat.
- (iii) Drying characteristics and organoleptic properties of moringa oleifera leaf.
- (iv) Development of, jathropha pod sheller.
- (v) Development of a pilot scale biodiesel refinery.
- (vi) Development of jathropha seed dehuller.
- (vii) Development of jathropha oil expeller.
- (viii) Development of snail processing system.
- (ix) Development of a bio-methanol production plant.
- (x) Development and evaluation of a locally produced floating fish feed production machinery.

(b) Research completed but not yet published:

- (i) Drying characteristics and organoleptic properties of 'ogi'.
- (ii) Development and evaluation of a biodiesel reactor.
- (iii) Engineering properties of almond seed and fruit
- (iv) Kinetics of water absorption of cowpea, sheanut and locust bean
- (v) Engineering properties of moringa seeds
- (vi) Drying characteristics and organoleptic properties of onion,
- (vii) Drying characteristics and organoleptic properties of fermented locust bean
- (viii) Drying characteristics and organoleptic properties of moringa oleifera leaf.
- (ix) Modelling of drying characteristics of sheanut.

(c) Manuscripts submitted for publication:

- i. **Olalusi, A. P.** and Bolaji, O.T. Absorption mechanism of four nigerian cowpea varieties. (*Vigna unguiculata* (L) Walp). *FUTA JoST Journal*, Nigeria. (Under Review).
- ii. Olalusi, A. P. and Erinle, C. O. Influence of drying temperature and pre-treatment on the quality of cashew apple slices. *Crotian Journal of Food Science and Technology* (Under Review).

19. Awards:

- (i) Staff Development Fellowship for PhD degree, FUTA, 2006
- (ii) Best Inventor of the Year in the University Excellence and Productivity Award, 2015.
- (iii) Letter of Commendation from the University Vice Chancellor on the award of WAAPP research grant.

20. Research Grants and other Grants (specify amount)

(a) International:

- (i) West Africa Agricultural Productivity Programme (WAAPP), Nigeria, Research Grant for the *Development and evaluation of a floating fish feed extruder* (₦10,260,000) as the **Principal Investigator**-(Completed)
- (ii) Forum for Agricultural Research in Africa and BiomassWeb, Germany, Research grant to facilitate *Mass and energy balance analysis of pneumatic dryers for cassava and development of optimization models to increase competitiveness* (Euro 24,950). (Completed)

21. Publications

(a) Thesis / Dissertations:

- (i) Effects of Using Locally-Developed Dryers on the Drying Characteristics and Qualities of Sheanut (*Vitellaria paradoxa* Gaertn) - 2011(Ph.D.)
- (ii) Simulation of Cocoa Bean Drying - 2000 (M.Eng.)
- (iii) Design, Fabrication and Performance Evaluation of a Manually Operated Locust Bean Dehuller - 1992 (B.Eng.)

(b) Books (peer-reviewed)

- (i) **Authored Books:** None
- (ii) **Edited Books:** None
- (iii) **Contribution(s) to Books:** None

(c) Journal Articles (asterisk those that have appeared since your last promotion)

1. Adewumi B. A. And **Olalusi, A. P.** (1999). Performance evaluation of manually operated locust beaen dehuller. *Journal of Agricultural Technology*. (2), 23-30.
2. Ogunlowo, A. S. And **Olalusi, A. P.** (2001). Simulation of cocoa bean drying. *International Journal of Engineering and Engineering Technology (FUTAJEET)*, 2(1), 6-10.
3. Bolaji, B. O., Olokode, O. S. and **Olalusi, A. P.** (2008). Development of a wind ventilated box-type absorber solar air collector. *UNAAB-ASSET Journal*, Series B, 6(1), 18-30.
4. Bolaji, B. O. and **Olalusi, A. P.** (2008). Performance evaluation of mixed-mode solar dryer. *Assumption University (AU) Journal of Technology*, (4): 225-231.

5. Bolaji, B. O. and **Olalusi, A. P.** (2009). Development of an improved coal stove for cooking in developing countries. *Assumption University (AU) Journal of Technology*, 12(3):182-187.
6. Bolaji, O.T, Awonorin, S.O. **Olalusi, A. P.** and Adepoju, P.A. (2011). Evaluation of changes in pasting properties of ogi during storage. *Electronic Journal of Environmental, Agriculture and Food Chemistry (EJEAFChe)*, 10(1), 1865-1872. (*Falcuta de Ciencias, Universida de Vigo, Spain*).
7. Bolaji, O.T., Awonorin, S.O., **Olalusi, A.P.**, Idowu, M.A., Henshaw, F.O. and Adepoju, P.A. (2011). Effect of Storage Temperature on Some Ogi Properties. *Advance Journal of Food Science and Technology* 3(2): 89-94.
8. **Olalusi, A. P.** and Bolaji, O.T (2011). Some engineering properties of an indigenous grown *Jatropha* seeds (“Lapalapa”). *Electronic Journal of Environmental, Agriculture and Food Chemistry (EJEAFChe)*, 9(11), 1746-1759. (*Falcuta de Ciencias, Universida de Vigo, Spain*)
9. **Olalusi, A. P.**, Bolaji, O.T. and Ogun, M. K. (2011). Moisture level effect on some engineering properties of bush mango nut (*Irvingia gabonensis*). *Electronic Journal of Environmental, Agriculture and Food Chemistry (EJEAFChe)*, 10(8), 2759-2770. (*Falcuta de Ciencias, Universida de Vigo, Spain*)
10. Oyerinde, A. S.. and **Olalusi, A. P.** (2011). Thermal properties of grounded cassava mash (gari) during different stages of roasting. *Journal of Industrial Research and Technology (JIRT)*. 3(1): 5 - 9.
11. **Olalusi, A. P.** and Bolaji, O.T (2011). Design and development of a bush mango sheller. *Journal of Industrial Research and Technology (JIRT)*. 3(1):11 – 19. (**Nigeria**).
12. **Olalusi, A. P.**, Ogunlowo, A. S. and Bolaji, B.O.(2012). Development and performance evaluation of a mobile solar dryer for cassava chips. *Energy & Environment Journal*. 23(8): 1261 – 1272.
13. Oyerinde, A. S.. and **Olalusi, A. P.** (2013). Effect of moisture content on selected physical and mechanical properties of two varieties of tigernut (*Cyperus spp*). *Journal of Food Research*, Vol. 2(6),24 -32.
14. Adetola, O. A., Olajide, J.O. and **Olalusi, A. P.** (2014). Effect of processing conditions on yield of screw press expressed palm oil. *Journal of Emerging Trends in Engineering and Applied Sciences (JETEAS)*, 5(4): 243-247.

15. Adetola, O. A., Olajide, J.O. and **Olalusi, A. P.** (2014). Development of a screw press for palm oil extraction. *International Journal of Scientific & Engineering Research*, Volume 5(7):1416 – 1422.
16. **Olalusi, A.** (2014). Hot air drying and quality of red and white varieties of onion (*Allium cepa*).*Journal of Agricultural Chemistry and Environment*, **3**, 13-19. <http://dx.doi.org/10.4236/jacen.2014.34B003>
17. **Olalusi, A. P.**, Obot, O. M. and Ogunlowo, A. S. (2014). Modelling the Dehydration Characteristics of (Taro) *Colocasia Esculenta* Slices in a Convective Cabinet Dryer.*FUTAJEET*, 8(1), 13 - 19.
18. **Olalusi, A. P.** (2014). Comparison of selected physical and mechanical properties of two species of cocoyam. *FUTAJEET*, 8(2), 91 - 95.
19. Bolaji, O. T., **Olalusi, A. P.** and Adesina, B. S. (2015). Mathematical modeling of drying pattern of ogi produced from two types of maize grain. *Journal of Food Research*, 4(1), 174 -185.
20. **Olalusi, A. P.** and Odiase, G.E (2015). Modeling drying characteristics of moringa (*moringa oleifera*) leaves under a mechanical convective cabinet dryer. *Annals. Food Science and Technology*.16 (1), 27 – 36.
21. Bolaji, O. T., Adepoju, P. A. and **Olalusi, A. P.** (2015).Economic implication of industrialization of a popular weaning food “ogi” production in Nigeria: A review. *African Journal of Food Science*. 9(10), 495-503. DOI: 10.5897/AJFS2014.1196
22. Atere, O. A., Olukunle, O.J. and **Olalusi, A. P.** (2015). Response Surface Methodology for Optimizing the Parameters of a Roasting Machine Using Maize (*Zea mays L.*). *International Journal of Scientific Research in Science and Technology*, 1(2), 52 - 61.
23. Atere, O. A., **Olalusi, A. P.** and Olukunle, O.J. (2016). Physical properties of some maize varieties. *Journal of Multidisciplinary Engineering Science and Technology*, 3(2); 3874 - 3880.
24. Atere, O. A., Olukunle, O.J., **Olalusi, A. P.** and Ademosun, O. C. (2016). Response Surface Methodology for Optimizing the Parameters of a Roasting Machine Using Maize (*Zea mays L.*). *Journal of Multidisciplinary Engineering Science and Technology*, 3(3); 4161 - 4165.

25. **Olalusi, A. P.**, Oni, I. O. and Ajewole, P.O.(2017). Effect of Some Processing Parameters on Quality of Palm Oil. *International Journal of Innovative Science, Engineering & Technology*, 4(8), 147 – 153.
26. Oni, I. O., **Olalusi, A. P.** and Ajewole, P. O (2017). Mathematical Modelling of Process Parameters and the Yield of Palm Oil. *International Journal of Trend in Research and Development*,4(5), 458 – 461.
27. Olabinjo, O. O., Ogunlowo, A. S., Ajayi, O. O. and **Olalusi, A. P.** (2017). Analysis of Physical and Chemical Composition of Sweet Orange (*Citrus sinensis*) Peels. *International Journal of Environment, Agriculture and Biotechnology*, 2 (4), 2201 – 2206.
28. Olabinjo, O. O., Olajide J. O, and **Olalusi, A. P.** (2017). Mathematical Modelling of Sun and Solar Drying Kinetics of Fermented Cocoa Beans. *International Journal of Environment, Agriculture and Biotechnology*, 2 (5), 2419 - 2426.
29. Oni, I. O., **Olalusi, A. P.**, and Ajewole, P.O.(2017). Mathematical Modelling of Process Parameters and the Yield of Palm Oil. *International Journal of trend in research and development*, 4(5), 458 – 461.
30. **Olalusi, A. P.**, Abolarin, S. O., Adesigbin, A. J. and Adedeji, M.A, (2018). Development biodiesel reactor. *Journal of Scientific and Engineering Research*, 5(1), 63- 69.
31. **Olalusi, A. P.**, Nwaeche, C. E. and Adesina, A. (2018). Development of a Preconditioning System for FUTA Floating Fish Feed Extruder. *Journal of Engineering Research and Reports*, 3(2): 1-10.
32. Owa, T. W., **Olalusi, A. P.** Isa, J. and Ogundana, O. S. (2019). Effect of machine and process parameters on the performance of a single screw floating fish feed extruder. *International Journal of Engineering Sciences & Research Technology*, 8(1), 111 -118.
33. Adegbite S. A., Adebayo A., Olukunle O. J., **Olalusi A. P.**, Asiru W.B. and Awoyale, W. (2019). Mass and energy balance analysis of pneumatic flash dryers for Cassava and development of optimization models to increase competitiveness in Nigeria. *Current Journal of Applied Science and Technology*, 32(3): 1-11.
34. Aduewa T. O. Oyerinde A. S. and **Olalusi A. P.** (2019). Development of an Automated Solar Powered Hot-air Supplemented Dryer. *Asian Journal of*

35. Koyenikan O. O., Olukunle O. J. and **Olalusi A. P.** (2019). Design Modification of an Indigenous Extruder. *Journal of Engineering Research and Reports*, 4(2): 1-11.
36. Isa, J. and **Olalusi, A. P.** (2019). Optimization of Foam-Mat Drying Process of Watermelon Pulp Using Response Surface Methodology. *Journal of Energy Research and Reviews*. 3(1): 1-11,
37. **Olalusi, A. P.** and Erinle, O. C. (2019). Influence of drying temperature and pretreatment on the drying characteristics and quality of dried cashew (*Anacardium occidentale* L.) apple slices. *Croatian Journal of Food Science and Technology*. 11 (1), 97-103.
38. **Olalusi, A. P.** Omosebi, M. O. and Olasore, A. J. (2019). Mathematical modelling of *Annona muricata* l. (soursop) leaves drying under different drying conditions. *Croatian Journal of Food Science and Technology*. 20 (2), 218-229.
39. Adenigba, A.A.. and **Olalusi, A. P.** (2019). Development and evaluation of a fish feed mixer. *Agricultural Engineering International: CIGR Journal*, 21(3): 226–233.
40. Adetola, O.A, O.J Olukunle, **A.P Olalusi**, and O.O Olubanjo. (2020). Models Establishment for Predicting Interaction between Tillage Practices and Some Selected Engineering Properties of Cassava (*Manihot esculenta*) Tubers. *Asian Journal of Advances in Agricultural Research*, 34-48.
41. Aderotoye, A. M., **A. P. Olalusi** and C. I. Ayo- Olalusi (2020). Effects of Selected Tuber Crops Starch on Some Extrusion Properties of Fish Feed. *Asian Journal of Fisheries and Aquatic Research*, Page 1-12 DOI: 10.9734/ajfar/2020/v7i330117
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51. Alabi, K.P, **Olalusi, A. P.**, Olaniyan, A. M., Fadeyibi, A. and Gabriel, L. O.. (2022). Effects of osmotic dehydration pretreatment on freezing characteristics and quality of frozen fruits and vegetables . *Journal of Food Process Engineering, 1 – 12.* <https://doi.org/10.1111/jfpe.14037>
52. Ojekunle, EI, J Isa, and **AP Olalusi.** (2022) Development and Performance Evaluation of a Castor Oil Extractor. *ABUAD Journal of Engineering Research and Development (AJERD), 5(1), 51-64*
53. Olaoye SA, Owoseni OT and **Olalusi AP** (2022). Optimization of Some Physical and Functional Properties of Extruded Soybean Crud Residue-Base

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55. **Olalusi, A. P.**, S. A. Olaoye, J. Isa , A. S. Oyerinde, C. Ayo-Olalusi and D. O. Adesuyi. (2022). Development and Performance Evaluation of a Single Screw Extruder for the Production of Floating Fish Feed. *J. Eng. Res. Rep.*, vol. 23, no. 12, pp. 48-58, 2022; Article no.JERR.90252
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59. Alabi, K.P, **Olalusi, A. P.**, Isa, J.and Olushola, V. A.. (2023). Development and Performance Evaluation of a Microcontroller Pulsed Magnetic Field Machine for Assisting Cellular Foods Freezing. *FUOYE Journal of Engineering and Technology (FUOYEJET)*, 8(4), 403-408. <http://doi.org/10.46792/fuoyejet.v8i4.1096>
60. Oloye, O.O., **A.P, Olalusi**, and F.R. Falayi. (2024) Investigation of carbohydrate content of white yam (*Dioscorea rotundata*) tubers stored in cold storage structure. *Nigerian Journal of Nutritional Sciences*, 44(1), 1 – 6.
61. Olaoye S. A., Oladele. S. O., Jayieoba. F. k. and **Olalusi A. P.** (2024) Thermal and Non-thermal Pasteurization of citrus fruits: a bibliometric analysis. *Helihon*, Elsevier. Vol. 10 pp. 1-18. <https://doi.org/10.1016/j.heliyon.2024.e30905>

(d) Papers already accepted for publications (only in the last 3 years):

62. **Olalusi, A. P.** and Bolaji, O.T. (2018) Absorption mechanism of four Nigerian cowpea varieties. (*Vigna unguiculata* (L) Walp). *FUTA Journal of Sustainable Technology (JoST)*

(e) Published Conference Proceedings:

63. Asiru, W. B., Aremu, O. O. **Olalusi, A. P.** and Komolafe, A. O. (2004). Development and performance evaluation of a manual cowpea dry dehuller. *Proceeding of Nigerian Institute of Food Science and Technology*, Vol. 28: 117-118. **(Nigeria)**
64. **Olalusi, A. P.**, Oyerinde, A. S. And Ogunlowo, A. S. (2006). Design and performance evaluation of a cocoa bean dryer with stirring device. *Nigerian Drying Symposium Series 2: 67-72. (Nigeria)*
65. Oyerinde, A. S., **Olalusi, A. P.** and Ogunlowo, A. S. (2006). Evaluation of selected mathematical models for describing thin-layer drying of gari. *Nigerian Drying Symposium Series 2: 77-83. (Nigeria)*
66. **Olalusi, A. P.**, Isa, F. O. and Bolaji, O. T. (2009). Quality evaluation of shea butter from selected production centers in Nigeria. *Proceedings of 3rd International Conference of WASAE and 9th International Conference of NIAE, Jan 25 – 29, Ile-Ife, Nigeria, 234 – 238. (Nigeria)*
67. **Olalusi, A. P.**, Bolaji, O.T. and Adebayo, S. S. (2009). Some engineering properties of tiger nut. *Proceedings of 3rd International Conference of WASAE and 9th International Conference of NIAE, Jan 25 – 29, Ile-Ife, Nigeria, 234 – 238. (Nigeria)*
68. *Ndukwu, M.C., Ogunlowo, A.S., Olukunle, O.J. and **Olalusi, A. P.** (2011). Analysis of moisture variation in layers of cocoa bean during drying. *Proceedings of 11th International Conference and 32nd Annual General Meeting of NIAE, Oct 17 – 20, Ilorin, Nigeria, 354 - 358.*
69. Olabinjo, O.O., Olajide, J.O. and **Olalusi, A. P.** (2014). Influence of drying methods on quality of fermented cocoa beans. *Proceedings of 15th International Conference and 35th Annual General Meeting of NIAE, Sept 22 – 26, F.U.T., Akure, Nigeria, 299 - 303. (Nigeria).*
70. **Olalusi, A. P.** and Bolaji, O.T.. (2014). Dehydration characteristics of *Ogi* produced from maize (*Zea Mays*) and guinea corn (*Sorghum bicolor*). *Proceedings of 15th International Conference and 35th Annual General Meeting of NIAE, Sept 22 – 26, F.U.T., Akure, Nigeria, 408 - 414. (Nigeria)*
71. **Olalusi, A. P.** and Oyerinde, A. S. (2014). Development and evaluation of a pedal operated biodiesel reactor. *Proceedings of 15th International Conference and 35th Annual General Meeting of NIAE, Sept 22 – 26, F.U.T., Akure, Nigeria, 432 - 437. (Nigeria)*

72. **Olalusi, A. P.** and Abolarinwa, S. (2014). Design analysis of a refinery for biodiesel production Proceedings of 15th International Conference and 35th Annual General Meeting of NIAE, Sept 22 – 26, F.U.T., Akure, Nigeria, 490 - 494. **(Nigeria)**
73. **Olalusi, A. P.** and Bolaji, O.T.. (2014). Evaluation of air supplied and load on fuel consumption by a single cylinder diesel engine. Proceedings of 15th International Conference and 35th Annual General Meeting of NIAE, Sept 22 – 26, F.U.T., Akure, Nigeria, 495 - 500. **(Nigeria)**
74. **Olalusi, A. P.** and Olukoya, K. O. (2014). Design and fabrication of a Joropha oil expeller. Proceedings of 48th Annual Conference of Agricultural Society of Nigeria (ASN), Nov. 24 – 27, UNIAbuja, Nigeria, 672 – 675. **(Nigeria)**
75. **Olalusi, A. P.** and Itodo, S.S.. (2014). Influence of drying air temperature on the drying characteristics and quality of Moringa oleifera leaves. Proceedings of 48th Annual Conference of Agricultural Society of Nigeria (ASN), Nov. 24 – 27, UNIAbuja, Nigeria, 676 – 679. **(Nigeria)**
76. Aduewa T. O. Oyerinde A. S. **Olalusi A. P.** and Ogunlowo, A.S. (2016). Performance evaluation of hot-air supplemented solar dryer for drying white yam (*Dioscorea rotundata*) slices. Proceedings of the 2016 Annual Conference of the School of Engineering & Engineering Technology (SEET), August 16-18, The Federal University of Technology, Akure, Nigeria, 190 – 201.
77. Adetola O. A., Olukunle O. J. and **Olalusi A. P.** (2016). Influence of tillage practices on some engineering properties of tme 419 cassava tubers under a rainfed soil condition. Proceedings of the 2016 Annual Conference of the School of Engineering & Engineering Technology (SEET), August 16-18, The Federal University of Technology, Akure, Nigeria, 241 – 251.
78. Adegbite S. A., Adebayo A., Olukunle O. J., **Olalusi A. P.**, Asiru W.B. and Awoyale, W. (2018). Mass and energy balance analysis of pneumatic flash dryers and development of optimization models for cassava to increase competitiveness in Nigeria.. Proceedings of the 2018 International Conference of The Nigerian Institution of Agricultural Engineers Held at The Federal Institute of Industrial Research, Oshodi, Lagos, Nigeria, 10th -14th, September, 2018, 305 – 313.
79. Isa, J., **Olalusi, A. P.** and Oyayode, O. B. (2018). Determination of Selected Engineering Properties of watermelon (*Citrullus lanatus*). Proceedings of the 2018 International Conference of The Nigerian Institution of Agricultural Engineers Held at The Federal Institute of Industrial Research, Oshodi, Lagos, Nigeria, 10th -14th, September, 2018, 183 – 194
80. **Olalusi, A. P.** and Erinle, O. C. (2018). Influence of Thickness on the Drying Characteristics and Quality of Dried Cashew (*anacardium occidentale* l.) Apple Slices. Proceedings of the 12th CIGR Section VI International

Symposium, held at the International Institute of Tropical Agriculture, Ibadan, Oyo State, Nigeria, 22–25 October, 2018, 757-765. ISSN 2659-1804.

81. Erinle, O. C., **A P Olalusi**, A T Olayanju, A A Okunola and F O Ajao (2020). Some engineering properties and nutrient composition of selected pelletized fish feed in Nigeria. *NIAE 2019, IOP Conf. Series: Earth and Environmental Science 445 (2020) 012006 IOP Publishing.*
doi:10.1088/17551315/445/1/012006
82. Adedeji, A.E., **A P Olalusi**, T M A Olayanju and O C Erinle (2020). Influence of Thickness on the Drying Effect of Drying Parameters on the Physical Properties of Extruded Fish Feed. *NIAE 2019, IOP Conf. Series: Earth and Environmental Science 445 (2020) 012011 IOP Publishing.*
doi:10.1088/17551315/445/1/012006
83. **Olalusi, A.P.**, O C Ajayi and O C Erinle (2020). Selected Physio-Chemical Properties for the Processing of Cashew Apple (*Anacardium Occidentale*) *NIAE 2019, IOP Conf. Series: Earth and Environmental Science 445 (2020) 012012 IOP Publishing.* *doi:10.1088/17551315/445/1/012006*
84. Adetola, OA, **AP Olalusi** and AA Adedeji (2020). Physicochemical, pasting and thermal properties of different types of starch. *2020 ASABE Annual International Virtual Meeting, 2020*

(f) Conference Papers:

1. ***Olalusi, A. P.** and Isa, J. (2012). Development of a Mechanical Expression Rig for The Extraction of Oil from Jatropha Seed (*Jatropha Curcas L.*). Paper presented at the 2nd International Conference on jatropha, Univeristy of Ilorin, Nigeria. 16th – 18th, April. (**Nigeria**)
2. ***Olalusi, A. P.** and Bolaji, O. T. (2012). Drying characteristics of jatropha seeds. Paper presented at the 2nd International Conference on jatropha, Univeristy of Ilorin, Nigeria. 16th – 18th, April. (**Nigeria**)
3. ***Olalusi, A. P.** (2012). Design and fabrication of jatropha seed dehulling machine. Paper presented at the 2nd International Conference on jatropha, Univeristy of Ilorin, Nigeria. 16th – 18th, April. (**Nigeria**)

22. Conference(s) Attended with Dates and / or Papers Presented (non-scorable)

- (i) Annual Conference and Exhibition of OSUA Centre for Development, Oct 15 – 16th, 1997.
- (ii) 2nd Nigerian Drying Symposium, NISPRI, Ilorin, June 19 – 21, 2006.

- (iii) International Workshop on Shea, 2006: Exporting Quality and Quntity, USAID, Abuja, Aug. 16 – 19, 2006.
- (iv) 3rd International Conference of West African Society of Agricultural Engineers (WASAE) and 9th International Conference of Nigerian Institution of Agricultural Engineers (NIAE), Ile – Ife, Nigeria. January 25 – 29, 2009.
- (v) 2nd International Conference on Jatropha, Univeristy of Ilorin, Nigeria. 16th – 18th, April, 2012.
- (vi) International Workshop on Shea, 2014: Industry Unite, USAID, Abidjan, Cote d'Ivoire, March. 24 – 26, 2014.
- (vii) 15th International Conference and 35th Annual General Meeting of NIAE F.U.T., Akure, Nigeria, , Sept 22 – 26, 2014.
- (viii) World Congress on Engineering and Technology, Wuhan, China, Oct. 24 – 26, 2014
- (ix) 48th Annual Conference of Agricultural Society of Nigeria (ASN), UNIAbuja, Abuja, Nigeria, Nov. 24 – 27, 2014.
- (x) SEET Annual Conferences, 2015 2016, 2017, 2019

23. Consultancy

- (i) GIZ Bioenergy for Nigeria Follow-Up Seminar for Experts from Nigeria and Bavaria Thursday 1 – Friday 2 February 2018, in Abuja as Guest Speaker
- (ii) BiomassWeb, Germany DDRD/ Forum for Agricultural Research in Africa (FARA)/IITA Project on High Quality Cassava Flour (HQCF) Project (2016 – 2019)
- (iii) Dolphin Agro Allied Services/ Bank of Industry Maria Egun Foundation Building, Atanda Estate, Adegbayi Ibadan Oyo State on Gari Processing (2018)
- (iv) Allamit Nig. LTD/ Bank of Industry Opp Wire& Cable PLC, Abeokuta Road, No 27, Road 13, Alada Oyo State On Cassava Processing Machines Fabrication (2018)

24. Extra Curricula Activities

(a) Within the University:

- (i) Departmental Coordinator for SIWES Oct. 2006 – 2014
- (ii) Departmental Examination/Time Table Officer, Oct. 2004 – April 2012.
- (iii) Departmental Seminar Coordinator, 2007 – Present
- (iv) Staff adviser/registration officer for 200 level students.
- (v) Member, SEET Data Processing Committee, 2010 to date
- (vi) Member, SEET Solar Power Committee, 2009-2012
- (vii) Member, SEET Time Table Committee, 2006 – 2014
- (viii) Member SEET Board of Studies, 2004 – present

- (ix) Chairman, SEET Committee on Innovation and Technology, 2014 to date.
- (x) Member, University Committee on Innovation and Technology, 2014 to date.
- (xi) Chairman, Crop Processing Center Sub-committee of Step-B Sustainability. 2015 to date
- (xii) Member, University Committee on Step-B Sustainability. 2014 to date.
- (xiii) Departmental Representative in School of Postgraduate Studies(SPGS) 2014 to 2016.
- (xiv) Member, Thesis Registration Committee in SPGS 2014 to date
- (xv) Director, Centre for Research, Innovation and Collaboration (2018 to 2021)
- (xvi) Chairman, Student Welfare Committee (2018 to 2021)
- (xvii) Member, CBAS Board of Studies, Mountain Top University, (2019 to 2021)
- (xviii) Member, Senate, Mountain Top University (2019 to 2021)
- (xix) Chairman, FUTA Greenhouse/Vegetable Project (2024 to date)
- (xx) Chairman, FUTA Hatchery Project (2024 to date)

b. Outside the University:

- (i) Lay Pastor, Deeper Life Bible Church.
- (ii) Chairman, Statistics Royal Estate, Mosoye.

22 Names and Addresses of three Referees:

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Date: 01-07-2024