

ADERINLEWO Adewole Ayobami is a Professor of Power and Farm Machinery in the Department of Agricultural and Bioresources Engineering, Federal University of Agriculture, Abeokuta. He holds a PhD from University of Ibadan, Ibadan (2011). He was the Head of Department (2018 – 2021). He was appointed full Professor in 2021. His area of research is Design and Utilization of Agricultural Machinery, Post Harvest Technology and Energy Studies. He has successfully supervised 2 PhDs. He is currently supervising 4 PhDs. He has taught full time for 18 years.



01 Personal

<b>(i) Name:</b>	ADERINLEWO Adewole Ayobami	
<b>(ii) Sex:</b>	Male	
<b>(iii) Marital Status:</b>	Married	
<b>(iv) Nationality:</b>	Nigerian	
<b>(v) Town and State of Origin:</b>	Ile Ife , Osun State	
<b>(vi)</b>	<b>Contact Address:</b>	Department of Engineering
	Agricultural and Bio- resources	
	Federal University of Agriculture	
	Abeokuta	

02 Department:	Agricultural and Bioresources Engineering	
03 Email:	<a href="mailto:aderinlewoaa@funaab.edu.ng">aderinlewoaa@funaab.edu.ng</a>	
04 Phone number:	+234 8066605551	
05 Rank:	Professor	
06 Designation: Former HOD		
07 Researchgate Address:	www.researchgate.net/Adewole Aderinlewo	
08 LinkedIn Address:	linkedin.com/in/adewole-aderinlewo-73784522	
09 Google scholar profile:	scholar.google.com/adewole aderinlewo	
10 ORCID Number:	0000-0002-2469-2932	
11 Qualifications:	B.Sc, M.Sc, PhD	
12 Membership of Professional Body		
i.	Corporate Member Nigerian Society of Engineers (R.17111)	2006
ii.	Registered Member, Council for the Regulation of Engineering in Nigeria (R14, 745)	2008

13 Research Conducted

(i) 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

14 Conference Attended

- i. 3<sup>RD</sup> 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 14<sup>th</sup> -17<sup>th</sup>, 2018. *Paper read:* Design and construction of a motorized juice extractor.
- iv. College of Engineering International Conference, Federal University of Agriculture, Abeokuta , March 7<sup>th</sup> -11<sup>th</sup>, 2016. *Paper read:* Performance evaluation of a two row cowpea planter
- v. Faculty of Technology International Conference. Obafemi Awolowo University, September 20<sup>th</sup> – 25<sup>th</sup>, 2015. *Paper read.* Performance evaluation of a rotary screen cowpea cleaner.
- vi. 6<sup>th</sup> International Conference of the Nigerian Institution of Agricultural Engineers, Obafemi Awolowo University, Ile Ife. 11 - 15<sup>th</sup> September, 2009
- vii. 3<sup>rd</sup> International Conference on Science and National Development, Federal University of Agriculture, Abeokuta. 24 - 27<sup>th</sup> November, 2008. *Paper read:* Moisture Dependence of some Aerodynamic Properties of Beniseed.

15 Publications

(i) **Articles in Learned Journals**

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>
11. Dairo O. U.,Oyenusi A., **Aderinlewo A. A.**, Adetunji O. R.,and Adeleke E. A. (2018). Modelling the air-flow resistance of bulk sponge gourd (*Luffa Cylindriacal*). *LAUTECH Journal of Engineering and Technology* 12(2): 1-9. Published by Faculty of Technology, Ladoke Akintola University of Technology, Ogbomoso. <https://www.lautech.com>
12. **Aderinlewo A. A.** Biobaku O. L. and V. O. Adepoju (2018). Design and construction of a motorized juice extractor. *Journal of Science and Technology* 4:64-67. Published by Federal University Lafia. <https://journals.fulafia.edu.ng>
13. Adeosun O. J.,Olanrewaju O. O., Dairo O. U., **Aderinlewo A. A.** and Ogunwande G. A. (2018). Evaluation of earthworm as biofiltration agent in organically polluted water. *Journal of Science and Technology* 4: 58-63. Published by Federal University Lafia. <https://journals.fulafia.edu.ng>
14. **Aderinlewo A. A.** Dairo O.U. and Saludeen O. (2018). Drying kinetics of plantain slices using a mixed solar dryer. *Umudike Journal of Engineering and Technology* 4(2):104-112. Published by University of Agriculture, Umudike. <https://ujetmouau.net>
15. **Aderinlewo A. A.**, Agboola A. A., Adeosun O. J., Ajisegiri E. S. A. and A. F. Adisa (2018). Investigation of separation of palm kernel and shell on an inclined plain separator. *ACTA Technica corviniensis-Bulleting of Engineering*.11(2): 135 – 137. Published by University POLITEHNICA Timisoara, Romania. <http://annals.fih.upt.ro> (Google scholar/Ebscohost).

16. **Aderinlewo A. A.**, and Layode O. F. (2018). The effect of plantain peel ash on biogas production from cow dung. *Journal of Sustainability, Agriculture, Food and Environment*, 6(1): 11-17. Published by Catholic University, Chile <https://www.neliti.com> (Index Copernicus International).
17. **Aderinlewo A. A.**, Agboola A. A., Adeosun O. J., Ajisegiri E. S. A. and A. F. Adisa (2018). Some physical and mechanical properties of shell and kernel of Nigerian dura and tenera oil palm varieties. *International Journal of Engineering*, 16(1): 116 -1119. Published by University POLITEHNICA Timisoara, Romania. <http://annals.fih.upt.ro> (Google scholar/Ebscohost)
18. Osanyinpeju K.L., **Aderinlewo A. A.**, Adetunji O.R., and E.S.A. Ajisegiri (2018). Performance Evaluation of a mono-crystalline photovoltaic panels in FUNAAB weather conditions. *International Journal of Innovations in Engineering, Research and Technology*, 5(2): 8-20
19. Osanyinpeju K.L., **Aderinlewo A. A.**, Adetunji O.R., and E.S.A. Ajisegiri (2018). Output power and voltage-time characteristics of mono-crystalline photovoltaic panel at FUNAAB weather conditions. *International Journal of Advanced Engineering Research and Applications*, 3(2):349-360
20. Osanyinpeju K.L., **Aderinlewo A. A.**, Adetunji O.R., and E.S.A. Ajisegiri (2018). Performance evaluation of a solar powered poultry egg incubator. *International Journal of Advanced Engineering and Sciences*, 3(2): 255- 264
21. Osanyinpeju K.L., **Aderinlewo A. A.**, Adetunji O.R., and E.S.A. Ajisegiri (2018). Development of a solar powered poultry egg incubator for South West Nigeria. *International Journal of Innovative research and creative Technology*, 3(6): 50-53
22. Alex Folami Adisa, Nseobong Obioha Eberendu, **Adewole Ayobami Aderinlewo** and Ibiyemi Sidikat Kuye (2016). Performance evaluation of a developed rice processing machine. *Journal of Agricultural Engineering*, 47: 174-179. Published by Italian Society of Agricultural Engineering. <https://agroengineering.org> (Scimago)
23. Alex Folami Adisa, Nseobong Obioha Eberendu, **Adewole Ayobami Aderinlewo** and Ibiyemi Sidikat Kuye (2016). Effectiveness of Teflon as roller material for a prototype rice processing machine, *Agricultural Engineering International*, 18(4): 107 – 118. Published by International Commission of Agricultural Engineering (CIGR). <https://cigrjournal.org> (Scopus)
24. **Aderinlewo A.A.**, Ayokambi S. A., Adetunji L.R. and Olakunle E. O. (2016). Influence of screen speed and air velocity on the cleaning efficiency of a rotary screen cowpea cleaner. *Journal of Experimental Research*, 4(1); 38-42. Published by Enugu State University of Science and Technology, Enugu, Nigeria. <https://www.er-journal.com>
25. Adeosun O.J., Olorunnisola A.O., Lucas E. B., Dairo O.U. **Aderinlewo A.A.**, and Ola I. A. (2015). Optimization of char in the pyrolysis of palm kernel shell using response surface methodology. *Lautech Journal of Technology*, 9(2): 11 -16. Published by Faculty of Technology, Ladoko Akintola University of Technology, Ogbomoso. <https://www.lautech.com>
26. Ola I. A., Aremu O. O., **Aderinlewo A. A.**, Aiyedun P.O., Ajayi A. O., and Ajisegiri E. S. A. (2015). Simulation of the cassava stem cuttings on an inclined wood surface. *Journal of Natural Science, Engineering and Technology*, 14(2):85-97 Published by Federal University of Agriculture, Abeokuta, Nigeria. <https://journal.unaab.edu.ng>
27. Adeosun O. J., Shobayo O. O., Dairo O. U., **Aderinlewo A. A.** and I. A. Ola (2015). Assessment of waste management practices on farms in Abeokuta environs, Ogun State, Nigeria. *Journal of Natural Science, Engineering and Technology*, 14(2):98-105. Published by Federal University of Agriculture, Abeokuta. <https://journal.unaab.edu.ng>
28. Adisa A. F., Vaughan I. O., **Aderinlewo A. A.**, and Dada P. O. (2015) .Technical and social – economic relivance in technical adoption: case study on rotary tiller equipment in Nigeria.

29. Dairo O. U., **Aderinlewo A.A.**, Adeosun O. J., Ola I.A. and Salaudeen O. (2015).solar drying kinetics of cassava slicesin a mixed flow dryer. *Acta Technologica Agriculturae: The Scientific Journal of Agricultural Engineering*, 18(4):102-107. Published by Slovakia University of Agriculture in Nitra. <https://sciendo.com> ( Scopus)
30. **Aderinlewo A. A.** and A. O. Raji (2015). Effects of angle of injection and air velocity on displacement of cowpea and impurities in a vertical pneumatic cleaner. *International Journal of Engineering*, 13(4): 1584-2673. Published by University POLITEHNICA Timisoara, Romania. <http://annals.fih.upt.ro> (Google scholar/Ebscohost)
31. **Aderinlewo A.A.** Dairo O.U. (2014), Adeosun O. J., Ola O. A. and Saludeen O. Suitable thin layer drying model of cassava slices using a mixed mode solar dryer. *Lautech Journal of Technology*, 8(1):35 - 41. Published by Faculty of Technology, Ladoke Akintola University of Technology, Ogbomoso, Nigeria. <https://www.lautech.com>
32. **Aderinlewo A. A.** and Raji A. O. (2014). Modelling and simulation of separation of cowpea in a vertical flow pneumatic cleaner. *Journal of Engineering Studies and Research* 20(3): 7 – 12. Published by University of Bacua, Romania Availabe at [www.pubs.ub.ro](http://www.pubs.ub.ro) (Index Copernicus)
33. Dairo O. U., Iyerima R.B., Sobayo A.O., **Aderinlewo A.A.**, Adeosun O. J. and Adeleke E. A. (2014). Optimization of inclusion of level of castor oil bean cake in broiler using response surface methodology. *British Journal of Poultry Sciences* 3(2): 42-48. Publish by IDOSI Publications.
34. Adisa A. F., Vaughan I. O., **Aderinlewo A. A.**, and Dada P. O. (2013). An appraisal of tillage equipment for smallholder farming adoption. *Journal of Applied Agricultural Research* 5(2): 117 – 124. Published by Agricultural Research Council of Nigeria
35. **Aderinlewo A.A.** and A.O. Raji (2013). Analysis of pneumatic cleaning of cowpea. *Journal of Applied Agricultural Research*. 5(2): 111 – 116. Published by Agricultural Research council of Nigeria.
36. **Aderinlewo A.A.** and Adetunji L. R. (2013). Development and preliminary testing of a rotary screen cowpea cleaner. *Journal of science, Technology, Mathematics and Education*. 9(2): 116-124. Published by Federal University of Technology, Minna, Nigeria. <https://jostmed.futminna.edu.ng>
37. **Aderinlewo A. A.** ,A.F. Adisa and O. Salaudeen (2013). Investigation of solar drying of plantain and cassava slices under natural convection. *Journal of Experimental Research*, 1(1):23-26. Published by Enugu State University of Science and Technology, Enugu, Nigeria. <https://www.er-journal.com>
38. **Aderinlewo A.A.**, A.O. Raji and T.M.A. Olayanju (2011). Effect of moisture content on some physical properties of cowpea (*Vigna unguiculata*). *Journal of Natural Sciences, Engineering and Technology*. 10(2): 133-145. Published by Federal University of Agriculture, Abeokuta, Nigeria. <https://journal.unaab.edu.ng>
39. **Aderinlewo A. A.** , Raji O. A. and T. M. A. Olayanju (2011). Effect of variety and moisture content on aerodynamic properties of four Nigerian cowpea varieties. *ASSET International Journal*, 10(1): 106-115. Published by Federal University of Agriculture, Abeokuta, Nigeria. <https://journal.unaab.edu.ng>

40. Olayanju T. M. A., Akinoso A. A., **Aderinlewo A. A.**, Dairo O.U. and Ola I. A. (2009). Moisture Dependence of some Aerodynamic Properties of Beniseed. *ASSET International Journal*, 8(1):62 - 70. Published by Federal University of Agriculture, Abeokuta, Nigeria. <https://journal.unaab.edu.ng>
41. Bamigboye A.I. and **Aderinlewo A.A.** (2002) Agricultural equipment availability in Oyo State. *Moor Journal of Agricultural Research*. 3(1): 126-129. Published by Institute of Agricultural Research and Training (Obafemi Awolowo University), Ibadan., Nigeria

(ii) **Conference Proceedings**

1. Kifilideen L. Osanyinpeju., **Adewole A. Aderinlewo.**, Olawale U. Dairo., Olayide R. Adetunji and Emmanuel S.A. Ajisegiri(2022). Investigation of vibration technique for the control of physical properties of yam (*Discorea Spp.*) tubers during storage. 1<sup>st</sup> biennial International Conference on Sustainable Tropical Agriculture and Food Security. University of Nigeria, Nsukka, 14<sup>th</sup> -18<sup>th</sup> December, 2022. Eze S.C., Unagwu B.O., Chukwudi U.P., and Amuji C.F. (Eds) pp 181- 192
2. Kifilideen L. Osanyinpeju., **Adewole A. Aderinlewo.**, Olawale U. Dairo., Olayide R. Adetunji and Emmanuel S.A. Ajisegiri(2022). Development of the shape of the cam profile of a mechanical yam vibrator using cycloid motion in South West Nigeria. 1<sup>st</sup> biennial International Conference on Sustainable Tropical Agriculture and Food Security. University of Nigeria, Nsukka, 14<sup>th</sup> -18<sup>th</sup> December, 2022. Eze S.C., Unagwu B.O., Chukwudi U.P., and Amuji C.F. (Eds) pp 167 - 179
3. Osanyinpeju K.L., **Aderinlewo A. A.**, Adetunji O.R., and E.S.A. Ajisegiri (2019). Developemnt, Conversion and application of Osanyinpeju (power of base 2) and Antiosanyinpeju ( antipower of base 2) with lekan (power of base 5) Tables. Proceedings Advancing Technology and Environmental Burdens: Challenges and Sustainable Solutions. 1<sup>st</sup> International Conference on Engineering and Enviromnetal Sciences.Osun State University, Osogbo, November 5-7, 2019. Abidoeye L.K., Okedere O.B., Alawode K.O., Ibrahim R.B., Adebajo A. U., Thanni M. O., and Adeyemo K. A.(Eds) pp 969 - 982
4. ADEOSUN Olayemi Johnson, Olawale Usman DAIRO, **Adewole Ayobami ADERINLEWO**, Gbolabo Abidemi OGUNWANDE, Jadesola Mayowa OGUNYINKA and Babajide Adebowale ADEOSUN (2019). Vermicomposting of paper waste and cassava peels residue: Effect of duration and Feedstock loading rate. Proceedings Farm Machinery and Process Management in Sustainable Agriculture, X International Scientific Symposium, Lublin, Poland. Edited by Edmund Lorencowicz, Jacek Uziak, Bruno Hyghewbaert
5. Dairo O.U., Sobukola O.P., **Aderinlewo A.A.**, Adeleke E.A., Yusuf B., Dada O., Abimbola M. and Olashege B.T. (2018). Drying of EVA\_F1 tomato in an hybrid dryer/Evaluation of an hybrid solar dryer usingEva\_F1 tomato variety. FUNAAB College of Engineering International Conference, May 14<sup>th</sup> -17<sup>th</sup>, 2018. O. U. Dairo, A. A. Adekunle, T. M. A. Olayanju, S. O. Ismaila (Eds)
6. Adeosun O.J., Olanrewaju O.O., Dairo O.U., Aderinlewo A.A., and Ogunwande G.A.(2018). Vermifiltration of domestic waste water. FUNAAB College of Engineering International Conference, May 14<sup>th</sup> -17<sup>th</sup>, 2018. O. U. Dairo, A. A. Adekunle, T. M. A. Olayanju, S. O. Ismaila (Eds)
7. **Aderinlewo A. A.**, Olaoluwa A. L. and O.U. Dairo (2016). Performance evaluation of a two row cowpea planter. *Proceedings FUNAAB College of Engineering International Conference, 2016*. J. K. Adewumi, A. A. Adekunle, T. M. A. Olayanju, S. O. Ismaila and O. U. Dairo (Eds.) pp 310 - 313
8. Mamah K. C., Adisa A. F., **Aderinlewo A. A.** and S. O. Ismaila(2016). Experimental research on performance evaluation of a roller rice dehusking and destining machine, *Proceedings FUNAAB*



- College of Engineering International Conference, 2016* J. K. Adewumi, A. A. Adekunle, T. M. A. Olayanju, S. O. Ismaila and O. U. Dairo (Eds.) pp 54 - 63
9. Osanyinpeju K. L., **Aderinlewo A. A.**, Adetunji O. R. and E. S. Ajisegirir (2016). Development of a solar powered poultry egg incubator. *Proceedings FUNAAB College of Engineering International Conference, 2016* J. K. Adewumi, A. A. Adekunle, T. M. A. Olayanju, S. O. Ismaila and O. U. Dairo (Eds.) pp 278 - 288
  10. Oladele J. O., Dairo O. U., **Aderinlewo A. A.** and O. P. Sobukola (2016). Determination of suitable thin layer drying curve model for sponge-gourd seed (*Luffa Cylindrical*). *Proceedings FUNAAB College of Engineering International Conference, 2016* .J. K. Adewumi, A. A. Adekunle, T. M. A. Olayanju, S. O. Ismaila and O. U. Dairo (Eds.) pp 177 -183
  11. Ola I.A., Oladepo G.A., Wahab A.A., Awotedu O.D., Aremu O.O., Dairo O.U., Ismaila S.O., Oluwalana E. O., Oluwalana S.S., **Aderinlewo A.A.**, and E.S.A. Ajisegiri (2016). Design and construction of a low cost centrifugal honey extractor. FUNAAB College of Engineering International Conference, March 7<sup>th</sup> -11<sup>th</sup> 2016. J. K. Adewumi, A. A. Adekunle, T. M. A. Olayanju, S. O. Ismaila and O. U. Dairo (Eds.) pp 139 -144
  12. **Aderinlewo A. A.**, Ayokambi S. A., Dairo O. U. and O. J. Adeosun (2015) Performance evaluation of a rotary screen cowpea cleaner. *Proceedings OAU Faculty of Technology International Conference 2015* E. Betiku, B. S. Ogunsina and A. M. Jubril (Eds.) pp 1-3