



**FEDERAL UNIVERSITY OF AGRICULTURE, ABEOKUTA (FUNAAB)
COLLEGE OF ENGINEERING (COLENG)
DEPARTMENT OF AGRICULTURAL & BIORESOURCES ENGINEERING**

ACADEMIC STAFF PROFILE: ADISA ALEX FOLAMI -SP1614.

i Brief Biography

Professor Adisa A. F. attended ECWA Model School for his primary education between 1964 – 1969 at Oko, Kwara State, he then proceeded to Government Secondary School, Omu-Aran, Kwara State between 1970 – 1974 where he obtained West Africa School Certificate in 1974. Prof. Adisa A. F. further proceeded to Kwara State College of Technology (School of Basic Studies) between 1974-1977 with Kwara State Scholarship for his A/Level. Professor Adisa proceeded to Ahmadu Bello University, Samaru-Zaria for his Bachelor of Engineering Degree in Agricultural Engineering on Kwara state Scholarship between 1977-1980 and graduated with a Second-Class honour (Upper Division) in June 1980. Between 1980-1981, he carried out his NYSC in Plateau State at College of Agriculture, Lafia, which he completed in August 1981. Professor Adisa started his career as Soil Conservation Engineer on contract appointment with Bida Agricultural World Bank Project, Bida, Niger State from 1981 to March 1982 from where he got employed as Assistant Irrigation Engineer and later Land Development Engineer at Bacita Sugar Company LTD between 1982 to 1985 at Bacita, Kwara State. He worked as Technical Manager from 1985 with Agricultural Managers and Consultants Limited at Kaduna, Kaduna State from where he proceeded with ODASSS (England) scholarship for his master's degree programme in Agricultural Engineering specializing in Agricultural Mechanization at Cranfield Institute of Technology, Silsoe Campus, England from 1986 to 1987. Between 1988 to 1991, he lectured at Agricultural Engineering Dept. of Federal University of Technology, Minna, Niger State. He worked in some private agricultural consulting firms, De-Crown West Africa Limited, Ibadan, Soilmines Nigeria Limited, Bauchi and Olivefield Technical Limited, Ibadan from 1992 to 2005 where he engaged in land development, machinery acquisition, rehabilitation and utilization for large scale farming up to 5,600 ha involving agricultural project study, planning and management for private large-scale farms, states and Federal

Government projects. He proceeded to Ahmadu Bello University, Zaria for his PhD degree in Agricultural Engineering, specialized in Farm Power and Machinery between 2005 to 2009. He joined Department of Agricultural Engineering, Federal University of Agriculture, Abeokuta since June 2009 till date, now a Professor of Farm Power and Machinery, specializing in Agricultural Machinery Engineering.

ii Passport –sized Photograph



iii Personal Information

Professor Adisa A. F. is 68 years old in August, 2023 and is happily married with five children (41yrs, 39yrs, 35yrs, 33yrs and 27yrs respectively).

iv. Department: Agricultural & Bioresources Engineering (ABE), College of Engineering.

v. E-MailAddress: adisaaf@funaab.edu.ng adisaalex@gmail.com
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vi. Phone Number: +2348036319686

vii. Rank: Professor

viii. Designation: Programme leader, Agric. Mechanization and Sustainable Environment, CAEDESE.

ix. linkedIn: <https://ng.linkedin.com/in/adisa-alex-folami-7239b98a>

x. Researchgate: <https://www.researchgate.net/profile/Alex-Adisa>

xi. Academia.edu: <https://independent.academia.edu/AlexAdisa>

xii. Google scholar: <https://scholar.google.com/citations?hl=en&user=InKsW-8AAAAJ>

xiii. ORCID Number: 0000-0003-4440-3947

xiv. Qualification: B.Eng (Agric Eng), M.Sc (Agric Eng), Ph.D. (Farm Power and Machinery Engineering).

xv. Membership of Professional Bodies:

i. Chartered Engineer (1st stage C.Eng) of Engineering Council U.K. (R.383943)

ii. Member The Institution of Agricultural Engineers, U.K. (MIAgrE)

iii. Member Council for the Regulation of Engineering Practice in Nigeria (COREN) (R.3599)

v. Member, Nigerian Institution of Agric. Engineers (MNIAE (M1507))

vi. Member, Nigerian Society of Engineers (MNSE (M 02973))

xvi. Award Received:

- Overseas Development Administration Shared Scholarship Scheme (ODASSS), Award for M.Sc. (Agric. Eng), England, 1986-1987.

- Acknowledged/Commended for a well prepared, delivered and received third (3rd) Federal University of Technology, Minna (FUTMINNA) Seminar on 28th July, 1989, by the Registrar on behalf of the Vice Chancellor and University Management.

xvii. Research Conducted:

RESEARCH CONDUCTED/GRANT ATTRACTED

i.) Completed Projects

1. Design and Construction of Palm Kernel Nut Cracking Machine for Rural Use.
2. Design and Construction of an Ergonomically Compliant Tillage Tool for Weeding
3. Development of multipurpose manually operated citrus/ pineapple juice extractor.
4. Design and Construction of a Laboratory Dynamometer, National Trust Fund Grant, FUTMINNA.
5. Development of Vegetable Seed Planter.
6. Development of Paddle Wheel Aerator for Catfish Production and Assessment of Effect of Catfish Effluent on Environment in Lagos, Nigeria.
7. Performance Evaluation of Rubber Roller Rice Dehusker/ Destoner Machine.
9. Design, Construction and Testing of a Manually Operated Mechanical Weeder.
10. Development of Hand Pump Sprayer for External Animal Diseases Control.
11. Design and Construction of a Motorized Maize Shelling Unit.
12. Design, Construction and Testing of a Motorised Palm Tree Fruit Harvester.
13. Strength and Durability Assessment of Corn Cob Ash Blended Cement on Self Consolidating Concrete.
14. Modification and Performance Evaluation of a Rice Dehusking and Destoning Machine.
15. Development of a Cashew Nutshell Liquid Expeller.
16. Design and Construction of Manually operated Grain Winnower/destoner.
17. Optimization of instant pounded yam flour (IPYF) production line: a case study of Federal Institute of Industrial Research, Oshodi (FIIRO), Nigeria.
18. Development of a low-cost floating fish cage for aquaculture, using locally available materials in Nigeria.

ii). Some projects in Progress

1. Effects of some physical and environmental parameters on the yield and quality of developed nutshell oil screw extractor.

2. Quantifying vegetation biomass impacts on agricultural soil caused by off-road vehicle mobility at Abeokuta, Nigeria.
3. Prediction of tractive performance of off-road vehicles in South Western Nigeria, using instrumented systems.

xviii. Conferences Attended:

International conferences

- a. Participated of the X International Scientific and Technical conference on the occasion of 116th anniversary birthday of Prof. Volodymyr Savovych KRAMAROV and 125th of NULES of Ukraine, February 23-24, 2023.
- b. Conference of XI International Scientific Symposium on Farm Machinery and Processes Management in Sustainable Agriculture (FMPMSA), 2022, Bari, Italy.
- c. Conference of X International Scientific Symposium on Farm Machinery and Processes Management in Sustainable Agriculture (FMPMSA), Department of Machinery Exploitation and Management of Production processes, University of Life Sciences, Lublin, Poland, November 20-22, 2019.
- d. Conference of IX International Scientific Symposium on Farm Machinery and Processes Management in Sustainable Agriculture (FMPMSA), Department of Machinery Exploitation and Management of Production processes, University of Life Sciences, Lublin, Poland. November 21-23, 2017.
- e. Conference of CIGR 2016 4th International Conference on Agriculture and Biosystems Engineering, Department of Engineering, Aarhus University, Aarhus, Denmark, 2016.

Local Conferences

- f. First International Conference Organized in the College of Engineering, FUNAAB, Abeokuta, 2016.
- g. National Conference on Science, Technology and Innovation Management in Nigeria. Paper presented at 2ND Professor Bart Nnaji Biennial Lecture, Enugu, Nigeria, 2012.
- h. Conference of 10th International Conference of Nigerian Institute of Agricultural Engineers, Enugu, Nigeria, 2010
- i. Conference of 2nd International Conference of Nigerian Institute of Agricultural Engineers, South- East, Abakaliki, Nigeria, 2009.
- j. Seminar paper presented at 3rd Federal University of Technology Minna, seminar, 1989.

- k. Workshop paper presented at Nigerian Agricultural and Cooperative Bank Limited (NACB), in-plant course on agricultural credit management, Zaria, 1988.

xix. Publications:

1. Nseobong Obioha Eberendu, **Alex Folami Adisa**, Adewole Ayobami Aderinlewo, Sidikat Ibiyemi Kuye, Wahabi Bolanle Asiru. 2022. Expending and Conserving Energy in Pounded Yam Flour Production. Scientific *Journal of Agricultural Engineering* Vol.47 (2):1-10. Published by Faculty of Agriculture, University of Belgrade, Serbia.
2. **Adisa, A. F.** and Eberendu, N. O. 2021. Crop-Machinery Management System for Field Operations and Adopted Planning Techniques for Plantation Sugar Cane Production. Scientific *Journal of Agricultural Engineering* Vol.46 (4):104-128. Published by Faculty of Agriculture, University of Belgrade, Serbia.
3. **Adisa, A. F.**, 2021. Determination of Optimum Farm Power and Machinery Requirement for Large Scale Sugarcane Production. *Journal of Agricultural Mechanization in Asia, Africa, and Latin America, (AMA)*, 52 (1):2415-2429. Published by Farm Machinery Industrial Research Corp, Japan.
4. Babalola, A. A., David, A. O., Opafola, B. O., Solana, O. I., Otele, O. D. and **Adisa, A. F.** 2021. Design and Performance Evaluation of a Snail Shelling Machine. *Agricultural Engineering Journal*, 23 (3):134 - 142. Published by International Commission for Agricultural Engineering Journal (CIGR), China. AgricEngInt: Journal Open access at <http://www.cigrjournal.org>
5. **Alex Folami Adisa**, Kevin Chinweike Mamah, Adewole Ayobami Aderinlewo, and Salami Olasunkanmi Ismaila 2019. Effectiveness of Industrial Rubber as Roller Material for Rice Processing Machine. *Agriculture and Natural Resources Journal*, Kasetsart University, Thailand, SCOPUS Indexed, 54 (1): p98-104..
6. **Adisa, A. F.**, Aina, E. O., Olayanju, T. M. A. and Ismaila, S. O. 2019. Development of Cashew Nut Shell Liquid Expeller. *Journal of Engineering Research, University of Lagos, Nigeria*, 24 (1): 29-39.
7. Ola, I. A., **Adisa, A. F.**, Ubaka-Ojogwu, I. L., Solomon, J. O., Ojediran, J. A., and Ajisegiri, E. S. A. 2019. Performance Evaluation of Selected Cassava Roots Harvesters. *Journal of Engineering Research, University of Lagos, Nigeria*, 24 (1): 40-45.

8. **Adisa, A. F.** and Braide, F. G. 2018. Calibration and Determination of Optimum Power and Operational Conditions of a Developed Template Row Planter. *Umudike Journal of Engineering and Technology (UJET)*, Michael Okpara University of Agriculture, Umudike, Nigeria,; 4 (3): 157-162.
9. Babalola, A. A., **Adisa, A. F.**, Kuye, S. I., Ajisegiri, E. S. A. and O. U. Dairo. 2018. Design of an Agricultural Tractor Mounted Prototype of a Water Drilling Rig. *Nigerian Journal of Engineering*, Ahmadu Bello University, Zaria, Nigeria: 25 (2): p82-90.
10. Aina, E. O., **Adisa, A. F.**, Olayanju, T. M. A. and Ismaila, S. O. 2018. Performance Evaluation of a Developed Cashew Nut Shell Liquid Expeller. *Journal of Agricultural Engineering of Poland*, published by Sciendo for Poland Society of Agricultural Engineers, Poland; 22(2): 5-18.
11. Adisa, O. M., Botai, J. O., Adeola, A. M., Botai, C. M., Hassen, A., Darkey, D., Tesfamariam, E., Adisa, A. T. and **Adisa, A. F.** 2019. Analysis of drought conditions over major maize producing provinces of South Africa. *Journal of Agricultural Meteorology, Japan*, Nishimura Toshado Ltd, 75 (4): 173-182.
12. Sidikat, I. K., Abudu A, Adetunji, O. R., Adekunle, N. O., **Adisa, A. F.**, and Adeyemi, H. O. 2018. Inhibitive Action of Water Extract of Spondias Mombin on Corrosion of Low Carbon Steel in 0.5M Sulphuric Acid. *FUOYE Journal of Engineering and Technology*, Federal University of Oye, Oye, Nigeria; 3 (1): 42-47.
13. Sidikat, I. K., Amaechi, E., Adekunle, N. O., Adetunji, O. R., **Adisa, A. F.**, and Adeyemi, H. O. 2018. Evaluation of Inhibitive Performance of Acidic Extract of Eichomia Crassipes on Corrosion of Low Carbon Steel in 1M Sulphuric Acid Solution. *FUOYE Journal of Engineering and Technology*, Federal University of Oye, Oye, Nigeria; 3 (1): 52-56.
14. Aderinlewo, A. A., Agboola, A. A., Adeosun, O. J., Ajisegiri, E. S. A and **Adisa, A. F.** 2018. Some Physical and Mechanical Properties of the Shell and Kernel of Nigerian Dura and Tenera Oil Palm Varieties. *ANANALS of Faculty of Engineering Hunedoara-International Journal of Engineering*; Faculty of Engineering, Hunedoara, Romania, Tome XI: 117-120.
15. Aderinlewo, A. A., Agboola, A. A., Adeosun, O. J., Ajisegiri, E. S. A and **Adisa, A. F.** 2018. Investigation of Separation of Palm Kernel and Shell on an Inclined Plane Separator.

ACTA Technica Corviniensis- Bulletin of Engineering; Faculty of Engineering, Hunedoara, Romania, Tome XI: 135-137.

16. Omofunmi, O. E., Adewumi, J. K., **Adisa, A. F.**, and Alegbeleye, S. O. 2017. Assessment of Catfish Effluents Management in Lagos State, Nigeria. *FUOYE Journal of Engineering and Technology*, Federal University of Oye, Oye, Nigeria; 2 (2): 33-36.
17. Olafusi, O. S., Adewuyi, A. P., Sadiq, O. M., **Adisa, A. F.** and Abiola, O. S. 2017. Rheological and Mechanical Characteristics of Self-compacting Concrete Containing Corncob Ash. *Journal of Engineering Research*, University of Lagos, Nigeria, vol. 22 (1): pp 72-85.
18. Omofunmi, O. E., Adewumi, J. K., **Adisa, A. F.**, and Alegbeleye, S. O. 2017. Impacts of Catfish Effluents on Water Parameters of Majidun Stream, South-West, Nigeria. *Arid Zone Journal of Engineering, Technology and Environment*, University of Maiduguri, Maiduguri, Nigeria; 13 (3): 378-388.
19. Omolola M. Adisa, Chritina M. Botai, Joel O. Botai, Abubeker Hassen, Daniel Darkey, Eyob Tesfamariam, **Alex F. Adisa**, Abiodun M. Adeola and Katlego P. Ncongwane. 2017. Analysis of Agro-climatic Parameters and their Influence on Maize Production in South Africa. *Theoretical and Applied Climatology, Springer-Verlag GmbH* Austria (Springer Nature); vol. 134 (3-4): 991-1004.
20. Omofunmi, O. E., Adewumi, J. K., **Adisa, A. F.**, and Alegbeleye, S. O. 2017. Development of a Paddle Wheel Aerator for Small and Medium Fish Farmers in Nigeria. *Journal of Agricultural Mechanization in Asia, Africa, and Latin America, (AMA)*, 48 (1):22-26. Published by Farm Machinery Industrial Research Corp, Japan.
21. Omofunmi, O. E., Adewumi, J. K., **Adisa, A. F.**, and Alegbeleye, S. O. 2016. Performance Evaluation of a Developed Paddle Aerator on Catfish Effluent in Lagos State, Nigeria. *Journal of Natural Sciences, Engineering and Technology (JNSET)*, Federal University of Agriculture, Abeokuta, Nigeria; 16 (1): 75-85.
22. **Adisa, A. F.**, Eberendu N. O., Aderinlewo A.A. and Kuye S.I. 2016. Effectiveness of teflon as roller material for a prototype rice processing machine. *Agricultural Engineering Journal*, 18 (4):107 - 118. Published by International Commission for Agricultural Engineering Journal (CIGR), China.
23. **Adisa, A. F.** 2016. Grain Recovery Efficiency of a Developed Rice Stripper Harvester for Rural Use in Nigeria. *Journal of Agricultural Mechanization in Asia, Africa, and Latin*

- America, (AMA)*, 47 (3):7-13. Published by Farm Machinery Industrial Research Corp, Japan.
24. **Adisa A. F.**, Eberendu N. O., Aderinlewo A.A. and Kuye S.I. 2016. Performance Evaluation of a Developed Rice Processing Machine. *Journal of Agricultural Engineering (JAE)*, vol. 47 (3). Pagepress Publication for Italian Society of Agricultural Engineering, Italy.
25. Omofunmi, O. E., Adewumi, J. K., **Adisa, A. F.**, and Alegbeleye, S. O. 2016. Evaluation of the Impact of Wastewater Generated from Catfish Ponds on the Quality of Soil in Lagos, Nigeria. *Journal of Natural Sciences, Engineering and Technology (JNSET)*, 16 (1): 52-60. Published by Federal University of Agriculture, Abeokuta, Nigeria.
26. **Adisa A. F.**, Vaughan I. O., Aderinlewo A. A., and Dada P. O.O. 2015. Technical and Socio-Economic Relevance in Technical Adoption: Case Study on Rotary Tillage Equipment in South west of Nigeria. *Journal of Agricultural Mechanization in Asia, Africa, and Latin America (AMA)*, 46 (4):56-62. Published by Farm Machinery Industrial Research Corp, Japan.
27. Omofunmi, O. E., Adewumi, J. K., **Adisa, A. F.**, and Alegbeleye, S. O. 2016. Technical Assessment of Catfish Effluents Management in Lagos State, Nigeria. *International Journal of Agricultural Sciences*, 6 (2):926-930. Published by International Scholars Journals, Japan.
28. S.B.Udo, **Adisa A.F.**, S.O.Ismaila and S.B.Adejuyigbe. 2015. *Development of Palm Kernel Nut Cracking Machine for Rural Use. Agricultural Engineering Journal*, 17 (4):397-406. Published by International Commission for Agricultural Engineering Journal (CIGR), China.
29. **Adisa, A. F. (2015)**. Field Loss Estimation of a Developed Rice Stripper Harvester in Nigeria. *Journal of Experimental Research*, 3 (2): 86- 91. Published by Enugu State University of Science and Technology, Enugu, Nigeria.
30. Udo, S.B., Adejuyigbe, S.B., Ismaila, S.O. and **Adisa, A. F.** 2015. Performance Evaluation of a Palm Kernel Nut Cracking Machine. *Journal of Natural Sciences, Engineering and Technology (JNSET)*, 14(1):110-116. Published by Federal University of Agriculture, Abeokuta, Nigeria.

31. **Adisa, A. F.** (2013). Design and Calibration of Epicyclic Gear Transmission Dynamometer for Rural Use. *Journal of Experimental Research*, 1(1):18- 22. Published by Enugu State University of Science and Technology, Enugu, Nigeria.
32. Aderinlewo, A. A., **Adisa, A. F.** and Salaudeen, O. (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.
33. **Adisa, A. F.** (2013). Effects of Stripper Forward Speed on Header Losses and Harvester Efficiency of a Developed Self-Propelled Grain Harvester. *Journal of Science, Technology, Mathematics and Education (JOSTMED)*. 9(2): 91-98. Published by Department of Science Education, Federal University of Technology, Minna, Nigeria.
34. **Adisa, A.F.**, Vaughan I. O., Aderinlewo, A. A. and Dada, P. O.O. (2013). An Appraisal of a Tillage Equipment for Small holder Farming in South West of Nigeria. *Journal of Applied Agricultural Research (JAAR)*, 5(2):117-124. Published by Agricultural Research Council of Nigeria, Abuja, Nigeria.
35. **Adisa, A. F.** (2012). Appropriate Management and Operational Planning Technique for Mechanized Soybean and Maize production in Nigeria. *Journal of Science, Technology, Mathematics and Education (JOSTMED)*. 8(2):56-65. Published by Department of Science Education, Federal University of Technology, Minna, Nigeria.
36. **Adisa, A. F.** (2012). Development and Performance Evaluation of Pedestrian Controlled Rice Stripper Harvester. *Journal of Applied Agricultural Research (JAAR)*, 4(1):43-51. Published by Agricultural Research Council of Nigeria, Abuja, Nigeria.
37. **Adisa, A. F.** (2011). Design and Construction of Manually Operated Flute Planter with Fertilizer Distributor. *Journal of Natural Sciences, Engineering and Technology (JNSET)*, 10(1) 178-183. Published by Federal University of Agriculture, Abeokuta, Nigeria.
38. **Adisa, A. F.** (2011). Performance and Assessment of Farm Equipment Utilization in a Nigeria Arable Farm. *Journal of Natural Sciences, Engineering and Technology (JNSET)*, 10(2) 158-168. Published by Federal University of Agriculture, Abeokuta, Nigeria.

ii. Book Published:

39. **Adisa, A. F. (2012).** Agricultural Machinery Development Procedure, **LAP Lambert Academic Publishing**, Saarbrucken, Germany.

iii. Book Article or Chapter:

40. **Adisa, A.F.,** Omotainse, P.O., Babalola, A.A., Adisa, A.G., Adeola, O.M., Ajose, A.T. (2022). Technical and Social – Economic Impact and Remedy of a Large-Scale Mechanized Plantation Farming on the Host Community. In: Pascuzzi, S., Santoro, F. (eds) **Farm Machinery and Processes Management in Sustainable Agriculture. FMPMSA 2022, . Lecture Notes in Civil Engineering, vol 289. Springer, Cham.** https://doi.org/10.1007/978-3-031-13090-8_31.

iv. Edited Conference Proceedings:

41. **Adisa A. F.,** Orakwue C. O., Taiwo I. O. and Ola, I. A, 2019. Performance Evaluation of a Developed Low Cost Floating Fish Cages for Aquaculture. *Proceedings of X International Scientific Symposium on Farm Machinery and Processes Management in Sustainable Agriculture, Department of Machinery Exploitation and Management of Production processes*, University of Life Sciences, Lublin, Poland, November 20-22, 2019, Edmund Lorencowicz (Ed.).
42. **Adisa A. F.,** Ola, I. A., Ajisegiri, E. S. A., Adewumi, B. A., Ismaila, S. O., Adekunle, N. O. and Adigbo, S. O. 2017. An Overview Procedure of a Rice Processing Plant Production for Rural Use. *Proceedings of IX International Scientific Symposium on Farm Machinery and Processes Management in Sustainable Agriculture, Department of Machinery Exploitation and Management of Production processes*, University of Life Sciences, Lublin, Poland, November 22-24, 2017, Edmund Lorencowicz (Ed.).
43. **Adisa A. F.,** Ndirika V. I. O., Yiljep Y. D., and Mohammed U. S. (2016). Determination of Optimum Critical Operating Parameters of stripping Rice Harvester in a Rural Area. *Proceedings of CIGR 2016 4th International Conference on Agriculture and Biosystems Engineering*, Aarhus, Denmark, June 26 – 29, 2016, M. D. Rasmussen (Ed.).
44. Oladipupo S. Olafusi, Adekunle P. Adewuyi, **Alex F. Adisa**, Obanishola M. Sadiq, Olubayo T. Olateju (2016). Flexural Performance of Self-Compacting Concrete Containing Corn-Cob Ash. *Proceedings of the 4th International Conference on Advances in Civil, Structural and Mechanical Engineering (CSM)*, Birmingham, U. K., March 17 – 18, 2016, R. Kumar (Ed.), 17- 21.

45. Mamah K. C., **Adisa A. F.**, Aderinlewo A. A. and Ismaila S. O. 2016. Experimental Research on Performance Evaluation of a Roller Rice Dehusking and Destoning Machine. *Proceedings of the 2016 International Conference on Science, Engineering and Technology*, Abeokuta, Nigeria., March 7 – 11, 2016, S.O. Ismaila, O.U. Dairo, A, A. Adekunle and T.M.A Olayanju (Eds.), 54 - 63.
46. **Adisa, A. F. (2010)**. Operational Planning and Management of Mechanized Soybean/Maize Production Technology in Nigeria. *Proceedings of 10th International Conference of Nigerian Institute of Agricultural Engineers*, Enugu, Nigeria, October 20 – 23, 2010, A. P. Onwualu, G. I. Nwandikom, B. Okoli and M. Ikejiofor (Eds.), 110- 117.
47. **Adisa, A. F.**, Inns, F. M. (2009). Assessment of the Power Demand of a Rubber Roller Rice Dehusking Machine. *Proceedings of 2nd International Conference of Nigerian Institute of Agricultural Engineers*: Enugu, Nigeria, September 16 – 18, 2009, A. P. Onwualu, G. I. Nwandikom, (Eds.) 46 - 52.
48. **Adisa, A. F. (1989)**. Planning, Operation and Evaluation of Mechanized Field Operation for Agriculture Production, *Proceedings of Nigerian Society of Agricultural Engineers*, Zaria, Nigeria, No.13:197-208.

v. Technical Reports

49. **Adisa, A. F. (1984)**. *Assessment of Equipment Utilization for 1983/84 Sugar cane Production at Nigerian Sugar Company Limited Bacita*. Technical report written to advice and recommended ways to minimize the machine operation time loss in the Land Development section of the field department, Bacita.
50. **Adisa, A. F. (1987)**. *Planning, Operation and Evaluation of Field Operation for Mechanized Soybean Production in Nigeria*. Technical paper presented during M. Sc. degree programme at Cranfield Institute of Technology, Silsoe College Campus, Bedford, England.
51. **Adisa, A. F. (1987)**. *Perennial Cropping in Nigeria Taking Sugar Company Bacita Plantation*. Technical paper presented during M. Sc. degree programme at Cranfield Institute of Technology, Silsoe College Campus, Bedford, England.
52. **Adisa, A. F. (1988)**. *Soil Conservation Design Project of Estu Bida Farm*. Technical report submitted to substantiate the proposal for my professional registration as member of Nigeria Society of Engineers.

53. **Adisa, A. F. (1990).** *Crop Irrigation Development Project Investment Appraisal for the Northern States of Nigeria*. Technical report compiled and written for De- Crown West Africa Limited, Ibadan.
54. **Adisa, A. F. (1991).** *Nobru Farm Project Evaluation and Investment Appraisal Report*. Technical report written to investigate, assess and recommend ways to rehabilitate and revive the farm project that was at the collapsing point at Keffi.
55. **Adisa, A. F. (1995).** *Feasibility report on Arable and Permanent Crop Farming Project*. Technical report written to determine the viability of going into large scale mechanized farming in Nigeria considering economical and agricultural inputs situation.
56. **Adisa A. F. (2020).** Equipment utilization and operational performance capturing for effective large scale sugar cane production project. Technical Report of Four Week CEADESE (FUNAAB)/World Bank Industrial Outreach Placement at Sunti Golden Sugar Estate, Flour Mills of Nigeria Plc, Sunti, Niger State:
- (a) Crop – Machinery Management System for Field Operations and Adopted Planning Techniques for 4,770 ha Plantation Sugarcane Production in Nigeria.
 - (b) Determination of Optimum Farm Power and Machinery Requirement for Sugarcane Production at Sunti Golden Sugarcane 1,300 ha farm, Nigeria.
 - (c) Technical and Social – Economic Impact of a Large Scale Mechanized Sugarcane Plantation Farming on the Host Community.
 - (d) Power and Economic Evaluation of Farm Operations of Large-Scale Sugarcane Production.

Engr. Prof. A. F. Adisa

Former Head of Department of ABE.