

CURRICULUM VITAE

A. PERSONAL DETAILS

1. **Name in Full:** *NDIRIKA, Victor Ifeanyichukwu Obiora*
2. **Place and Date of Birth:** *Kano-City; 27th October, 1960*
3. **Nationality:** Nigerian
4. **State of Origin/LGA:** Anambra/ Idemmili North
5. **Corresponding Address:** Department of Agricultural and Bioresources Engineering, Faculty of Engineering, Nnamdi Azikiwe University(NAU), Awka, P.M.B. 5025, Awka, Anambra State, Nigeria
6. **E-mail Address:** vic.ndirika@unizik.edu.ng , vndirika@yahoo.com
7. **Marital Status:** Married
8. **Number and Ages of Children:** **Four;** 29, 28, 23 and 22years
9. **Gender:** Male
10. **Internal Language(S) Spoken:** Ibo, Yoruba, Hausa and English
11. **Website:** [www.unizik.edu.ng.vic.ndirika](http://www.unizik.edu.ng/vic.ndirika)
12. **Previous Employment:** Ahmadu Bello University Zaira (1991-2009); Michael Okpara University of Agriculture(2009-2024)
13. **Present Employment:** Nnamdi Azikiwe University, Awka (1st January, 2025- date, transfer of service)
14. **Date of First Appointment with the University:** 16th May, 1991
15. **Date of Confirmation of Appointment:** 18th August, 1998
16. **Date of Last Promotion:** Professor, 1st October, 2006
17. **Present Rank/Salary:** Professor/CONUASS: 7/10.

B. EDUCATIONAL BACKGROUND

1 Institutions Attended with Dates

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|-------|---|------------|
| (i) | Obosi Central School Obosi | 1973 |
| (ii) | Dennis Memorial Grammar School Onitsha | 1974- 1979 |
| (iii) | Federal School of Arts and Science Ondo | 1980- 1982 |
| (iv) | Federal University of Technology Akure | 1983-1988 |

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|--------|---|-----------|
| (v) | Ahmadu Bello University Zaria | 1990-1993 |
| (vi) | Ahmadu Bello University Zaria | 1993-1997 |
| (vii) | University of Pretoria, S/Africa(Postdoctoral Fellowship) | 1999-2001 |
| (viii) | University of Boras, Sweden(Visiting Professor) | 2013 |

2. Academic Qualifications with Dates

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|--------|---|---------|
| (i) | First School Leaving Certificate | 1973 |
| (ii) | West African School Certificate | 1979/80 |
| (iii) | B.Tech.(Hons.) Agricultural Engineering (FUT., Akure) | 1988 |
| (iv) | M.Sc. Agricultural Engineering(Bioprocess Engineering)-ABU., Zaria | 1993 |
| (v) | Ph.D. Agricultural Engineering(Bioprocess Engineering)-ABU., Zaria | 1997 |
| (vi) | Certificate in Food Engineering Research Programme, University of Pretoria, S/Africa | 1998 |
| (vii) | Certificate in Computer Operations and Application for Academics, Computer Training Center, Computer-Rite Consult, Zaria, Nigeria | 1999 |
| (viii) | Certificate of Registration for Professional Engineering Practice, Council for the regulation of Engineering in Nigeria(COREN) | 2006 |
| (ix) | Certificate of Attendance and Completion of a Strategic Management Training for University Administrators, Capacity Building International Consulting Corp(USA) | 2010 |

3. Professional Qualifications: Fellowship And Membership of Learned Societies Obtained with Dates

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|-------|---|---------|
| (i) | Member , Nigerian Society of Agricultural Engineers (MNSAE), Reg. No. M377 | (1992) |
| (ii) | Member , Nigerian Society of Engineers (MNSE), Reg. No. 16511 | (2006). |
| (iii) | Registered Engineer , Council for the Regulation of Engineering in Nigeria (COREN), Reg. No. R.12, 700 | (2006). |
| (iv) | Member , American Society of Agricultural and Biological Engineers (MASABE), Reg.No. 103529 | (2008). |
| (v) | Fellow , Nigerian Institution of Agricultural Engineers (FNIAE), Reg. No. F95 | (2008) |

4. Academic Honours/ Distinctions /Special Awards, Scholarships and Fellowships

- (i) Best Student Price in Machine Design, Department of Agricultural Engineering, Federal University of Technology, Akure (1988).
- (ii) Katsina State NYSC Merit Award as best corp member (1989).
- (iii) Commendation Letter from the Office of the President Commander-In-Chief of the Nigerian Armed Forces on Technological Invention (1989)
- (iv) Congratulatory Letter from the Hon. Commissioner of Agriculture Katsina for taking second position for Katsina State on machine exhibition at the National Festival of Arts and Culture Bauchi (1990)
- (v) Ahmadu Bello University Research grant award for M.Sc degree Research (1991)
- (vi) Ahmadu Bello University Research grant award for Ph.D degree Research (1993)
- (vii) National Agricultural Research Project/World Bank Study Fellowship Award (1997)
- (viii) Post-Doctoral Fellowship Award, University of Pretoria, Republic of South Africa(1999)
- (ix) Commendation Letter from the Traditional Council of Mamone Community in the Northern Province of S/Africa for developing and improving the Agricultural Processing Technologies of the Community (2000)
- (x) Award of Distinguished Standing, American Biographical Institute (2005)
- (xi) Fellowship Award of the Nigerian Institution of Agricultural Engineers (2008)
- (xii) Award of Excellence from Full Gospel Business Men's Fellowship International, ABU. Main Campus Chapter (ABUMCC), Zaria on recognition of labour of love as President (2003-2005) (2009)
- (xiii) Commendation letter for outstanding contribution towards the advancement of Agricultural Engineering Profession by the Department of Agricultural Engineering, Federal University Oye-Ekiti during sabbatical engagement (2015)
- (xiv) Award of Excellence from Nigerian Institution of Agricultural Engineers, South East (NIAE-SE) Region for Dedicated Contributions to NIAE-SER (2018)
- (xv) Award of Meritorious Service as Dean of Engineering from the College of Engineering and Engineering Technology, Michael Okpara University of Agriculture Umudike, Umuahia, Abia State, Nigeria (2009-2012)
- (xvi) Pacesetter Award as the First Alumnus graduate of Federal University of Technology Akure that was appointed Full Professor of Agricultural Engineering since its inception in 1982 (2024)

C. WORKING EXPERIENCE IN THE UNIVERSITY SYSTEM

(a) Teaching /Research Experience

- (i) **Assistant Lecturer/Assistant Research Fellow** in the Department of Agricultural Engineering, Ahmadu Bello University, Zaria (16th May, 1991)
- (ii) **Lecturer II/ Research Fellow II** in the Department of Agricultural Engineering, Ahmadu Bello University, Zaria (1st October, 1994)
- (iii) **Lecturer 1/Research Fellow 1** in the Department of Agricultural Engineering, Ahmadu Bello University, Zaria (1st October, 1997)
- (iv) **Senior Lecturer/Senior Research Fellow** in the Department of Agricultural Engineering, Ahmadu Bello University, Zaria (1st October, 2000)
- (v) **Reader/Principal Research Fellow** in the Department of Agricultural Engineering, Ahmadu Bello University, Zaria (1st October, 2003)
- (vi) **Professor** in the Department of Agricultural Engineering, Ahmadu Bello University, Zaria (1st October, 2006)
- (vii) **Professor(Sabbatical)**, Department of Agricultural & Bioresources Engineering, College of Engineering and Engineering Technology, Michael Okpara University of Agriculture Umudike, Abia State, Nigeria (2007-2008).
- (viii) **Professor** in the Department of Agricultural and Bioresources Engineering, Michael Okpara University of Agriculture Umudike on **Transfer of Service** (2nd March, 2009- to date)
- (ix) **Adjunct Professor**, Department of Agricultural Engineering, Federal University of Technology, Owerri (2009-2010)
- (x) **Visiting Professor**, University of Boras, Sweden (2013)
- (xi) **Professor and Director(Sabbatical)**, Department of Agricultural Engineering, Faculty of Engineering and Centre of Linkage Programme in Environmental Research and Development(LIPERD), Federal University Oye-Ekiti (2014-2015).
- (xi) **Professor (Sabbatical)**, Department of Agricultural Engineering, Faculty of Engineering, Olabisi Onabanjo University(OOU), Ago-Iwoye, Ogun State, Nigeria (2021-2022).

b) Courses Taught

I. Undergraduate Courses:

- AGEN/310: Power and Machinery for Crop and Animal Production(1991-2000).
- AGEN/431: Instrumentation; Project and Technical Writing(1993-2009).
- AGEN/530: Animal and Plant Environment Control(1993-2009).
- AGRC/305: Post- Harvest and Food Technology (2001-2009).
- EAE/416: Technical Report Writing and Presentation (2001-2009)
- EAE/512: Storage of Agricultural Products II (2007-2008)
- EAE/511: Farm Power (2007-2008)
- EAE/514: Industrial Studies (2007-2009)
- PPF/521: Mechanics of Deformable Bodies (2007-10)
- FPM/527: Design of Agricultural Machinery (2007-2008)
- AGEN/411: Harvest and Post Harvest Technology (2008-2009)
- ABE/411: Direct Studies and Seminar Presentation(2011-2016)
- AGE/523: Processing and Drying of Agricultural Materials(2010-2012)
- AGE/529: Refrigeration, Preservation and Storage(2011-2012)
- AGE/540: Agro-Industrial Engineering and Entrepreneurship(2010)
- AGE/411: Handling of Agricultural Materials(2013)
- AGE/512: Engineering Properties of Bio-Agricultural Material(2013)
- APM 521: Agro-resources Machinery II(2015-2016)
- ABE 415: Engineering Properties and Handling of Biomaterials(2016)
- ABE 431: Materials Handling, Processing and Storage 1(2025-date)

II. Post-graduate Courses:

- AGEN/738: Instrumentation and Measurement in Engineering Systems. (1996 – 2024)
- FPE/622: Tractor Mechanics and Traction(2010-2011)
- FPE/620: Machinery For Food Processing (2010-2011)
- BFE/713:Solar Engineering in Agricultural Processes(2011-2012)
- ABE/811: Agricultural and Bio-Resources Engineering Seminar(2011-2015)
- BFE/821: Metrology in Engineering Properties of Biomaterials(2012-2016)

- ABE/714: Energy Applications in Agriculture(2012-2014)
- AGE/721: Design and Analysis of Experiments(2012-2016)
- AGE/711: Mathematical Modelling and Computer Application in Agriculture(2013-2024)
- ABE/731: Agricultural Processing Unit Operations(2013)
- ABE/733: Industrial Food Processing and Storage(2013)
- ABE/735: Technical Report Writing and Seminar Presentation(2013)
- ABE /823: Instrumentation and Measurements in Engineering Systems(2015-2024)
- ABE 724: Introduction to Engineering Materials(2016)
- BFE 821: Agricultural Material Handling System(2016-2018)
- ABE 921: Computer Modeling of Agricultural Systems(2013-2024)
- BFE 912: Experimental Stress Analysis(2017-2021)
- ABE 912/811: Environmental Impact Analysis (2017-2024)
- ABE 811. Agric. & Forestry Equipment Design and Evaluation (2025-date)
- ABE 832. Crop Drying Systems (2025-date)
- ABE 913. Analysis and Selection of Cleaning and Sorting Equipment (2025-date)
- ABE 931. Agricultural & Bioresources Engineering Material Handling Systems (2025-date)

III. Graduate Study Supervision (1993 – Date)

❖ Ph.D Dissertations Supervised:

1. Ajiboye, V. A. 2006. Development of a Motorized Single Axle Cowpea Harvester, Ph.D. dissertation, submitted to Postgraduate School, Ahmadu Bello University Zaria
2. Babashani, B. 2008. Modeling of Spray Penetration and Deposition of a Selected Sprayer on Tree Canopies, Ph.D. dissertation, submitted to Postgraduate School, Ahmadu Bello University Zaria
3. Adisa, F.A. 2009. Development and Performance Evaluation of a Pedestrian Controlled Small Small Rice Stripper Harvester, Ph.D. deissertation, submitted to Postgraduate School, Ahmadu Bello University Zaria
4. Ikejiofor, M. C. 2017. Modelling and Optimization of the Performance Parameters for Cocoyam Chipping Processes, Ph.D. thesis. Department of Agricultural Engineering, Michael Okpara University of Agriculture Umudike
5. Ohimor, E. O. 2017. Modeling and Optimization of Bioethanol Production Process from

- Lignocellulose Material. Ph.D. dissertation. Department of Agricultural Engineering, Michael Okpara University of Agriculture Umudike.
6. Ehiem, J. 2017. Characterization of Some Engineering Properties of Canarium Schweifurthii engl Fruit, Nut and Nutshell Relevant for their Mechanization. Ph.D. dissertation. Department of Agricultural Engineering, Michael Okpara University of Agriculture Umudike.
 7. Ogbuagu, N. 2019. Modelling and Optimization of the Performance Parameters for Densification Processes, Ph.D. Degree Dissertation. Department of Agricultural and Bioresources Engineering, Nnamdi Azikiwe University, Awka.
 8. Chukwuma Emmanuel C. 2020. Distribution Of Centralized Bio-Energy Plants Using Economic Viability And Geographic Suitability Analysis In Anambra State Of Nigeria, Ph.D. Degree Dissertation. Department of Agricultural and Bioresources Engineering, Nnamdi Azikiwe University, Awka.
 9. Igbozulike, A. O. 2021. Mathematical Modeling of the Drying Kinetics and Optimization of the Oil Yield of African Oil Bean Seed. Ph.D. dissertation. Department of Agricultural Engineering, Michael Okpara University of Agriculture Umudike.
 10. Okon, Sam Emmanuel. 2021. Modeling and Optimization of Performance Parameters of the Cracking Process for a Palm Nut Cracking Machine. Ph.D. dissertation. Department of Agricultural Engineering, Michael Okpara University of Agriculture Umudike.
 11. Nnadozie, Udensi K. 2023. Mathematical Models for Predicting Farm Machinery Performances in Tillage operations. Ph.D. dissertation. Department of Agricultural Engineering, Michael Okpara University of Agriculture Umudike.
 12. Nwachukwu, C. 2023. Modeling of Some Performance Parameters for Grain Cleaning Process of a Stationary Grain Cleaner. Ph.D. dissertation. Department of Agricultural Engineering, Michael Okpara University of Agriculture Umudike.
 13. Abada, C. 2023. Modeling the Heat and Moisture Transport in Molinillo Seed Subjected to Different Drying Methods and Characterizing the Bio-Oil and Bio-diesel Potentials. Department of Agricultural Engineering, Michael Okpara University of Agriculture Umudike
 14. Ferdinand Ngosong 2026. Production and Characterization of Pellets for Thermal Application Using Pyrolysed Oil palm Empty Fruit Bunches from CDC- Cameroon.

African Centre of Excellence for Sustainable Power and Energy Development (ACE-SPED), University of Nigeria Nsukka(UNN).

◆ **M.Eng./M.Sc Theses Supervised:**

1. Yerima, Y. 2004. Design, Fabrication and Performance Evaluation of Ginger Pulverizing Machine. M. Eng thesis, submitted to Postgraduate School, Ahmadu Bello University Zaria
2. Akangbe, O. L. 2004. Design, Fabrication and Performance Evaluation of Sunflower Dehulling Machine. M. Eng thesis, submitted to Postgraduate School, Ahmadu Bello University Zaria
3. Guwo, A. N. 2005. Development and Performance Evaluation of Ginger Slicing Machine. M. Eng thesis, submitted to Postgraduate School, Ahmadu Bello University Zaria
4. Attanda, M. L. 2005. Effect of Wheel Traffic on Soil Compaction, Bulk Density, Crop Water Use Efficiency and Yield of Maize at Samaru, Nigeria. M.Eng thesis, submitted to Postgraduate School, Ahmadu Bello University Zaria
5. Iwuchukwu. B. O. 2015. Diggestion of Cassava Starch Effluent Blended with Cassava Peels. M. Eng thesis. Department of Agricultural and Bioresources Engineering, Michael Okpara University of Agriculture Umudike.
6. Menkiti, N. I. 2014. Development of A Fiber-glass Reinforced Plastic Biogas Digester, M. Eng thesis. Department of Agricultural and Bioresources Engineering, Nnamdi Azikiwe University, Awka.
7. Ejike, R. 2015. Effect of Degree of Impurity on Rheological Properties of Sorghum Flour Using Different Milling Methods. M.Sc thesis. Department of Agricultural and Bioresources Engineering, Michael Okpara University of Agriculture Umudike.
8. Ndubuisi, O. 2023. Effect of Tillage Operation on the Yield of Maize (Zea Mays) Under Sandy- loam Soil Condition at the FEDPOLNEK Demonstration Farm Nekede , Owerri Imo State

c. Research Experience

I. Research Interest: Research interest is focused on the following areas of study:

- Bio-Processing and Storage

- Bio-Energy
- Design and Fabrication of Post-harvest Machines,
- Modeling of Post-harvest Systems
- Agricultural Power and Machinery

II. Grants Attracted For Funding Research (International and National)

S/ No	Type of Grant/ Title of Research Project	Source(s) of Grant	Date	Research Team	Value of Grant (₦)
1.	Research Grant for M.Sc. Degree Thesis in Agricultural Engineering: A System of Rural Storage of Fresh Tomato. Ahmadu Bello University Zaria	Ahmadu Bello University Zaria	1990-1992	Prof. V.I.O. Ndirika (ABU., Zaria)	4,400:00
2.	Research Grant for Ph.D Degree Dissertation in Agricultural Engineering: Modelling The Performance of Stationary Grain Threshers, Ahmadu Bello University Zaria	Ahmadu Bello University Zaria	1993-1996	Prof. V.I.O. Ndirika (ABU., Zaria)	5,000:00
3.	Research Grant: Potato Storage, University of Pretoria	National Agricultural Research Project (NARP) Nigeria and World Bank, Washington D.C.	1998	Prof. V.I.O. Ndirika (ABU.,Zaria) and Prof. J.J. Landman (Univ. of Pretoria, S/Africa)	4.0 million
4.	Post Doctoral Research Grant:Impact Assessment of Intermediate Agricultural Processing Technologies for Cereal Crops in the Northern Province of South Africa	University of Pretoria, South Africa	1999-2001	Prof. V.I.O. Ndirika (ABU.,Zaria) and Prof. A.J. Buys (Univ. of Pretoria, S/Africa)	10 million
5.	Research Grant: Enhancement of Value Added and in Ginger Production and Marketing in Nigeria This involves development of ginger slicing machine, training on post-harvest handling of	Semi-Arid Food Grain Research and Development (SAFGRAD), Ouagadougou, Burkina Faso, USAID and IAR.	2004	Prof. Ben Ahmed (ABU., Zaria) Prof. V.I.O. Ndirika (ABU., Zaria) and Dr. T.T. Kudi (ABU., Zaria)	5 million

	ginger and construction of water reservoir or well for washing of harved ginger				
6.	Kano, Katsina and Malunfashi (KKM) Research Grant for Pilot Site	IITA, IAR and other research Institutes	2004-2006	Prof. A. Sanni (ABU Zaria) , Prof. V.I.O. Ndirika (ABU., Zaria) and Dr. Kudi (A.B.U., Zaria)	1.5 million
7.	Research Grant: Design of Charcoal Fired Cooking Stove for Rural Communities in Northern Nigeria. IFAD/ICRISAT/IAR joint project on Heat Energy Technology on Soybean and Sorghum Utilization	IFAD, ICRISAT and IAR	2006	Prof. V.I.O. Ndirika (A.B.U Zaria) Dr. D. N. Maigida (A.B.U., Zaria) Prof.A.O. Ogungbile (A.B.U., Zaria)	6 million
8.	Research grant for Documentation: International Assessment of Agricultural Knowledge, Science and Technology Development (IAASTD) for Sub-Saharan Africa. Organized by the African Centre for Technology Studies (ACTS) Nairobi, Kenya	UNDP,UNEP, UNESCO,WHO, World Bank washington, GEF(Global Environment Facility)	2006	Prof. VIO Ndirika (ABU., Zaria) Prof. Mike Dike (ABU., Zaria), Prof. A Sanni (ABU., Zaria),Stella Williams (OAU Ile-Ife) Other Distinguished Scientist all over Africa and European Countries.	120 million
9.	Research Grant to different Research Projects in Engineering, Natural and Applied Sciences	Directorate of Research and Development (DRD), MOUAU	2007/2008	Nine academic staff of the Engineering and information Research Programme	4.5 milliomm
10.	Donation and Endowment Grant: 1 st Prof. U.G.L. Anazodo Memorial Lecture Series, CEET, Michael Okpara University of Agriculture Umudike	RMRDC, NNPC, NEPA, Professional Associations, NGOs, Industrialists, philanthropists and individuals	2011	Faculty Members, College of Engineering and Engineering Technology (CEET) and Fmr Dean CEET (Prof.V.I.O. Ndirika), MOUAU	11 million

11.	Reeseearch Grant: Development of an Automated Temperature Regulatory Device for a Locally Fabricated Kerosine Stove Incubator	DRD, MOUAAU	2012-2014	Dr E. I. Efurimide, Dr. D. A. Asiegbu, Prof. K.J.Simonyan, Prof. V. I. O. Ndirika, Prof. F. O. Ahamefule	500,000.00
12.	Grants for Book Manuscript Development: Design Principles for Post Harvest Machines	RMRDC / TETFUND, Abuja	2012/2018	Prof. V.I.O. Ndirika (MOUAAU), Prof. A.P. Onwualu (AUA., Abuja)	3.5 million
13.	Research Grant: Characterization of Some Engineering Properties of Canarium Schweifurthii Engl Fruit, Nut and Nutshell Relevant for their Mechanization.	TETFUND, Abuja	2014-2015	Ehiem, J.C. (MOUAAU) Prof. V.I.O. Ndirika (MOUAAU) Prof. V. Raghavan (McGill University Canada)	3.5 million
14	Grants for Book Manuscript Development(Contributing Author): Mechanized Crop Production(Chapter 15): Crop Science	TETFUND, Abuja	2020	Ndirika, V. I.O. (MOUAAU)	500,000.00
15	Grants for Book Manuscript Development: Computer Modeling and Simulation of Agricultural and Biological Systems	TETFUND, Abuja	2025	Prof. V.I.O. Ndirika (MOUAAU),	2,500,000 + (20 copies of book)
16	Establishment of 200 MW Solar Powered Plant in Anambra State	Chinese base company(General Technology Group Holding Co. Ltd)	Ongoing	Dr. Zhang, Engr. J. Y. Badu, Prof. V.I.O. Ndirika, Mr. Kudzo Avotri	USD 160 Million

III. Research Proposals Written and Waiting Funding

S/No	Title of Research Proposal	Collaborative Institution	Research Team	Duration (Month)	Value (N)
1	Development of Alternative Power Tillage System with Implements for Small Holder Farmers in the Rain Forest Ecology Zone of	Michael Okpara University of Agriculture Umudike (MOUAAU) and Tennessee State University, USA.	1. Prof. V.I.O. Ndirika (Leader) -MOUAAU 2. Dr.J.C.Adama (MOUAAU) 3. Dr.B.N. Nwankwojike (MOUAAU)	36	15 million

	South-Eastern Nigeria		4. Prof. K.J. Simonyan (MOUAAU) 5. Dr. U.J. Etoamaihe (MOUAAU)			
2	Promotion of On-Shelf Cassava Processing Technologies in the South Eastern Nigeria	Michael Okpara University of Agriculture Umudike (MOUAAU), Canadian International Development Agency (CIDA)	1. Prof. V.I.O. Ndirika (Leader)-MOUAAU 2. Prof. K.J. Simonyan (MOUAAU) 3. Dr. U. J. Etoamaihe (MOUAAU) 4. Engr. C.U. Orji (MOUAAU)	36	10 million	
3	Development of Biogas Technology for the Production of Biogas and Electricity from Organic Waste in Nigeria	MOUAAU and Shell Petroleum Nigeria	1. Prof. V.I.O. Ndirika (Leader)- MOUAAU 2. Prof. Ezemonye (MOUAAU) 3. Prof. M. Taherdazah (University of Boras Sweden) 4. Engr. A. Igbozurike (MOUAAU) 5. Fredrik Johnsson (University of Boras, Sweden) 6. Mr. Ayo Asala (ABU., Zaria)	36	30 million	

IV. Other Primary and Nationally Coordinated Research Projects

- Development of Engine Powered Millet Thresher (1991)
- Development of Engine Powered Multi-Crop Thresher (1992).
- Investigation On Material Shape And Dimensions For Storage Structures (1993).
- Improvement On IAR Motorized Maize sheller (1995)
- Improvement on IAR Hand maize sheller (1995)
- Solar Crop Drying And Storage System (1997)

- Development and Testing of Simple Soybean Planting and Threshing Tools (1997).
- Improving Existing Animal Traction Tools Of Land Preparation For Sorghum Production (1997).
- Assessment of Existing Tillage Tools and Implements (1998).
- Improvement Of Soyabean Sheller (2001)
- Determination Of The Physical And Mechanical Properties Of Cereal Crops (2001)
- Development Of Sunflower Oil Extractor and Sunflower Sheller (2002)
- Research on Bioprocessing and Bioenergy Projects (2003-date)

d. Societal And Institutional Collaborative Linkages Established

S/N	Name of Institution	Terms of Linkage	Date Instituted	Beneficiary
1.	University of Pretoria(UP), South Africa	Post-Doctoral Research Fellow between Ahmadu Bello University(ABU), Zaria and University of Pretoria(UP), South Africa	1999-2001	Prof. V. I. O. Ndirika
2.	University of Boras(UB), Sweden	Staff Exchange, Research Collaboration, Postgraduate Studies between MOUAU and University of Boras(UB), Also between FUOYE and UB	2011-Date	Prof. V. I. O. Ndirika and three other Staff of Michael Okpara University of Agriculture, Umudike(MOUAU) and Two staff from the Federal University Oye Ekiti (FUOYE)
3.	McGill University(MU), Canada	Postgraduate Research Collaboration (Ph.D) in Agricultural and Bioresources Engineering between MOUAU and McGill University Canada	2014-2017	Ehiem James, MOUAU Ph.D Student, 1 year in McGill University Canada

4.	Cornel University(CU), USA	Staff Exchange, Research Collaboration, Postgraduate Studies between of the Federal University Oye Ekiti(FUOYE) and Cornel University(CU), USA	2014-Date	Two staff of the Federal University Oye Ekiti(FUOYE)
5.	Agricultural Mechanics and Machinery Operators Training Centre Akure (AMMOTRAC)	Staff and Students Training on Mechanization Machinery Applications between FUOYE and AMMOTRAC	2014-Date	Students of the Dept. of Agricultural. and Bioresources Engineering, FUOYE

e. Administrative and Managerial Experience (1994-2020)

I. Department Administration:

- **Head**, Department of Agricultural Engineering, Ahmadu Bello University, Zaria, Nigeria (2008-2009)

Accomplishments as Head of Department:

- Reviewed and updated the undergraduate curriculum for Agricultural Engineering
 - Reviewed and updated the Post-graduate (M. Eng. and Ph.D) curriculum for different fields of specialization in Agricultural Engineering
 - Digitization of academic activities and staff offices by the provision of e-learning facilities such as computers, interactive white boards, audio-visual aids and internet connectivity for academic staff and students
 - Establishment of standard laboratories and workshops for all fields of specialization in Agricultural Engineering
 - Facilitated Consultancy projects that were executed by the Department
 - Organize academic seminars for staff and students
 - Encourage collaborative and multidisciplinary research among departmental staff and staff from other disciplines that are related to Agricultural Engineering
 - The Department was involved in the commercialization of research results from staff and students special projects as one of the sources for internally generated revenue by the Department.
 - Landscaping and electrification of the Agricultural Engineering Complex and surroundings
- **Member of Senate**, Ahmadu Bello University, Zaria, Nigeria (2008-2009)

- **Postgraduate Programme Coordinator**, Ahmadu Bello University, Zaria, Nigeria (2008)
- **Undergraduate Projects Coordinator**, Ahmadu Bello University, Zaria, Nigeria (2001-2006)
- **Student's Course Adviser**, Department of Agricultural Engineering, Ahmadu Bello University, Zaria (1994-2008)

II. College (Faculty) Administration:

- **Dean**, College of Engineering and Engineering Technology (CEET), Michael Okpara University of Agriculture, Umudike (2009-2012)

Accomplishments as Dean of CEET:

- Five(5) Engineering programmes received full professional accreditation(COREN) between 2009-2012 (Agricultural and Bioresources Engineering, Mechanical Engineering, Electrical and Electronics Engineering, Computer Engineering and Civil Engineering Programmes)
- Initiated the mounting of postgraduate degree programmes (PGD., M.Eng., and Ph.D.) in three Engineering Departments: Agricultural and Bioresources, Electrical/Electronics and Mechanical Engineering between 2010-2012
- Initiated the take off of Chemical Engineering degree programme in 2011
- Initiated the institution of a biennial memorial lecture in honour and memory of late Professor U. G. L. Anazodo as a means of attracting funds to the University. The first memorial lecture, held in 2011 attracted over 11million naira grant for research, endowment and cash donations to the University.
- Through motivation and mentorship, five Academic staff benefited from the Tetfund scholarship programme for postgraduate studies and conference attendance, while six academic staff have also benefited from the University research grant.
- Promoted bilateral relationship between the College of Engineering and the Faculty of Engineering, University of Boras, Sweden, on research and Staff-Student exchange programmes.
 - **Member**, Appointments and promotions Committee of the College of Engineering and Engineering Technology, Michael Okpara University of Agriculture, Umudike (2009-2012)
 - **Programme Leader**, Engineering and Information Technology Research

Programme, Michael Okpara University of Agriculture, Umudike (2007-2008)

As Programme Leader, I was deeply involved in the following activities:

- (i) Coordination of all research activities in Engineering, applied and natural sciences
- (ii) Review of Research Proposals
- (iii) Organize seminars for presentation of Research proposals
- (iv) Selection of competitive grant and viable proposals for sponsorship
- (v) Application of research grants from the University Directorate for Research and Development.

The programme won the highest number of grants out of the nine research programmes in the University, valued to about **N4.5 million** from the Directorate of Research and Development.

- **Representative**, College of Engineering and Engineering Technology in Senate, Michael Okpara University of Agriculture, Umudike(2007-2008)

III. Central Administration:

- (a) **Director**, Linkage Programme, Environmental Research and Development (LIPERD) Unit, Federal University Oye-Ekiti (2014-2015)

Accomplishments as Director LIPERD Unit

I was involved in the following major activities/responsibilities as Director in the Linkage Programme, Environmental Research and Development(LIPERD) Unit:

- Establishing formal relationship between the University, industries and communities;
- Identifying and prioritising researchable issues of development (Adaptive Research);
- Planning, developing and executing establishment of incubation centers in consultation with relevant Faculties/Departments/Units within the University;
- Playing active role in attracting market for researched ideas in collaboration with relevant Faculties/Departments/Units within the University;
- Planning and developing policies on intellectual property rights of developed ideas,

in collaboration with relevant institutions;

- Soliciting funds for proposal development related to adaptive research and technology transfer;
- Follow up the establishment of technological and non-technological innovation incubation centers;
- Liaising with existing innovation incubation centers;
- Coordinating and facilitating the development of policies and overseeing the implementation of intellectual property rights;
- Collaborating with the Heads of relevant Faculties/Departments/Units within the University in executing the above activities;
- Ensuring proper implementation of the policies;
- Advising Management on all matters pertinent to University – Industry linkage and technology transfer;
- Conducting interdisciplinary research on sustainable development, environmental analysis, environmental policy, energy and renewable energy technologies;
- Developing integrated approach to resource characterisation and development of tools for resources assessment and public policy;
- Developing research and technologies that will contribute to the quality of life, position, local and international economies for sustainable development and;
- Providing research and educational opportunities to undergraduate and graduate students and services to industry and government.

The following were **major accomplishments** recorded:

- (i) Establishment of a Web page for LIPERD Unit (Liperd sub-domain ad:

www.linkages.fuoye.edu.ng)

(ii) Establishment of Academic and Research collaborations with the following Universities:

- Cornell University, USA
 - Carnegie Foundation on Linkage with the Carnegie African Diaspora Fellowship Programme, USA.
 - University of Boras, Sweden
 - Handong Global University, Sweden
 - Agricultural Mechanics & Machinery Operators Training Centre (AMMOTRAC). It is a Centre skilled in training students in tractor driving and usage of other Agro-Equipment.
- (iii) Organized 6weeks “Train the Trainer” Basic course on Statistical Analysis System (SAS) Programming for Academic staff.
- (iv) Organized 5 days workshop on SAS programming for Lecturers and Graduate Students

(b) Member of Senate, Michael Okpara University of Agriculture Umudike, Nigeria (2009-Date)

(c) Senate representative in council for the interview/appointment of the University Librarian (December, 2009): Michael Okpara University of Agriculture, Umudike, Nigeria.

(d) Senate representative in council for the interview/appointment(Selection Committee) of the 4th Vice-Chancellor (December, 2010): Michael Okpara University of Agriculture, Umudike, Nigeria.

(e) Vice-Chancellor’s Representative at the Convocation Ceremony of the University of Ibadan(UI), (2010).

(f) Vice-Chancellor’s Representative at the Convocation Ceremony of the Ahmadu Bello University Zaria(ABU), (2011).

(g) Vice-Chancellor's Representative in the College Board of the College of Natural Resources and Environmental Management(CNREM)-(2013-2016).

(h) Member of Senate, Federal University Oye-Ekiti, Nigeria on Sabbatical
(2014- 2015)

(i) Vice-Chancellor's Representative in Appraisal Committee for the College of Applied Food Science and Technology(CAFST)-(2016-2018).

(j) Member of the Governing Council, Michael Okpara University of Agriculture, Umudike (2017-2021)

(k) Vice-Chancellor's Representative in Appraisal Committee for the College of Management Sciences (COLMAS)-2017-2021.

(l) Vice-Chancellor's Representative in Appraisal Committee for the College of Natural Sciences(COLNAS)-(2019-2021).

IV. University Governing Council

- **Member**, 5th Governing Council, Michael Okpara University of Agriculture Umudike, Nigeria (22nd May, 2017- 2021)
- **Member**, Appointment and Promotion Committee (A&PC) of Council. 2017-2021
- **Member**, Staff Disciplinary (SDC) of Council. 2017-2021
- **Chairman, Council** Committee to investigate Mr. Benjamin Onah's Absconment from Duty, Michael Okpara University of Agriculture Umudike (2017).
- **Member, Council** Committee on integrity test of cracked hostel structures of Dr Goodluck Ebelechukwu Student's Hostel, Michael Okpara University of Agriculture Umudike (2017).
- **Chairman, Council** Committee to investigate the authenticity of Prof Mathew Edoga's claim, Michael Okpara University of Agriculture Umudike (2018).
- **Chairman, Council** Committee on Status of Staff and Challenges of the University Demonstration Schools, Michael Okpara University of Agriculture Umudike (2019).
- **Chairman, Council** Committee to Scrutinize the List of Ninety-four (94) First Class Graduates, Michael Okpara University of Agriculture Umudike (2019).
- **Chairman, Council** Screening Committee for the appointment of the 6th Vice-Chancellor of Michael Okpara University of Agriculture Umudike (2020).

V. Chairman of Boards /Committees/Panels

- **Chairman**, Panel of investigation of petition on Examination malpractices in the College of Engineering, Michael Okpara University of Agriculture, Umudike (2007)
- **Chairman**, Verification Panel on 2004 Promotion Exercise, Michael Okpara University of Agriculture, Umudike, Nigeria (2009)
- **Chairman**, Technical Committee on Tractors, Michael Okpara University of Agriculture, Umudike, Nigeria (2010)
- **Chairman**, Senate Standing Committee on Cultism, Michael Okpara University of Agriculture, Umudike, Nigeria (2010)
- **Chairman**, Committee on Computer Software for Processing of Examination Results, Michael Okpara University of Agriculture, Umudike, Nigeria (2010)
- **Chairman**, Committee of Heads of Departments on Development of Student's Folder and Data Cards, Michael Okpara University of Agriculture, Umudike, Nigeria (2010)
- **Chairman**, Electoral Committee of the Academic Staff Union of Universities (ASUU), Michael Okpara University of Agriculture Umudike Branch, Nigeria (2010)
- **Chairman**, Organized symposium on "Why ASUU went on Strike", Michael Okpara University of Agriculture Umudike Branch, Nigeria. (2011)
- **Chairman**, Agricultural Mechanization Prototype up Keep Committee, Department of Agricultural Engineering, I.A.R./ABU Zaria (1994).
- **Chairman**, Technical Committee for the "Uyo 2013" International Conference of the Nigerian Institution of Agricultural Engineers (2013)
- **Chairman**, College of Engineering and Engineering Technology Consultancy Committee (2013)
- **Chairman**, Committee Investigating Rumours of Extortion from Lecturers and Staff of the College of Engineering and Engineering Technology, Michael Okpara University of Agriculture Umudike (2015)
- **Chairman**, Processing and Storage Section at Technical Presentation, Agricultural Mechanization Conference, Organized by the Department of Agricultural and Bioresources Engineering, Michael Okpara University of Agriculture Umudike (2016).
- **Chairman**, Fund Raising Committee, Agricultural Mechanization Conference,

Organized by the Department of Agricultural and Bioresources Engineering, Michael Okpara University of Agriculture Umudike (2016).

- **Chairman**, Local Organizing Committee (LOC), 18th International Conference and 38th Annual General Meeting (AGM) of the Nigerian Institution of Agricultural Engineers, “Umudike 2017”
- **Chairman**, Committee to investigate Mr. Benjamin Onah’s Absconment from Duty, Michael Okpara University of Agriculture Umudike (2017).
- **Chairman, Council** Screening Committee for the appointment of the 6th Vice-Chancellor of Michael Okpara University of Agriculture Umudike (2020).
- **Vice Chairman**, Nigerian Institution of Agricultural Engineers (NIAE) Constitution Review Committee (2021-2023)
- **Chairman**, University Staff Disciplinary Committee(USDC), Michael Okpara University of Agriculture Umudike(MOUAU), 2024 to Date

VI. Membership of Boards /Committees/Panel

- **Member**, Publicity Sub-Committee: The 7th International Conference and 28th Annual General Meeting of the Nigerian Institution of Agricultural Engineers (2006)
- **Member**, Sub-Global Working Committee on International Assessment of Agricultural Science and Technology for Development (IAASTD) for Sub-Saharan Africa, Organized by the World Bank and the African Centre for Technology Studies (ACTS), Nairobi (2006 – 2009).
- **Member**, Agricultural Mechanization Research Programme Review Committee, IAR/ABU, Zaria, Nigeria (1991 - 2009).
- **Member**, Programme Review Committee, Farming Systems Research Programme, IAR/ABU., Zaria Nigeria (1996).
- **Member**, A.B.U. Fund Raising And Mobilization Committee, Department of Agricultural Engineering, A.B.U.; Zaria (2008).
- **Member**, ABU Dress Code Committee, Department of Agricultural Engineering, A.B.U.; Zaria (2008).
- **Member**, Postgraduate committee for College of Engineering and Engineering Technology, Michael Okpara University of Agriculture Umudike (2013)
- **Member**, Standing Committee on 2013 NUC Accreditation Exercise for the Department

- of Agricultural and Bioresources Engineering, Michael Okpara University of Agriculture Umudike (2013)
- **Member,** Steering Committee on Agricultural Engineering Alumni Association: Federal University of Technology Akure (2009).
 - **Member,** Review Committee on Competitive Agricultural Research Grant Scheme Concept Note, Agricultural Research Council of Nigeria (ARCN) (2009)
 - **Member,** Committee on Nigerian Universities Doctorial Theses Award Scheme(NUDTAS) 2010, 2011 and 2012 Awards (2013)
 - **Member,** Certificate Verification Committee for Staff of the Federal University Oye-Ekiti (2014)
 - **Member,** Board of Continuing Education Center, Michael Okpara University of Agriculture Umudike (2009-2012).
 - **Member,** University Tenders Board, Michael Okpara University of Agriculture Umudike (2009-2012).
 - **Member,** University Procurement Board, Michael Okpara University of Agriculture Umudike (2009-2012).
 - **Member,** Committee Investigating a Case of Embarrassment/Harassment alleged against Engr. Dr. B. N. Nwankwojike by Postgraduate Diploma Students in Mechanical Engineering Department (2015)
 - **Member,** Staff Disciplinary Committee, Michael Okpara University of Agriculture Umudike (2016)
 - **Member,** Local Organizing Committee, Agricultural Mechanization Conference, Organized by the Department of Agricultural and Bioresources Engineering, Michael Okpara University of Agriculture Umudike (2016).
 - **Member,** Senate Standing Committee on Challenges Influencing Quality And Products Of Academic Programmes And The Way Forward, Michael Okpara University of Agriculture Umudike (2016)
 - **Member,** Senate Standing Committee on Sorting, Extortion and exorbitant Sales of Books by Lecturers, Michael Okpara University of Agriculture Umudike(2016)
 - **Member,** Committee on Delayed Appraisal for Promotion to Professorial Cadre, Michael Okpara University of Agriculture Umudike (2016)

- **Member**, Committee to Draw up Guidelines on the Establishment of Journals in Michael Okpara University of Agriculture Umudike (2017)
- **Member**, Board of Michael Okpara University of Agriculture Umudike Oil Palm Plantation Project at Uzoakoli (2017)
- **Member**, Michael Okpara University of Agriculture Umudike Library Committee (2017)
- **Member**, Local Organizing Committee of the International Engineering Conference Organized by the Faculty of Engineering, Nnamdi Azikiwe University, Awka, Nigeria (2026)

(f). External Examination and Professorial Assessment

I. External Examiner:

I have worked for thirteen (13) different tertiary institutions as External Examiner for HND, B.Eng; M.Eng and Ph.D degree programmes in Agricultural Engineering at several periods.

- Department of Agricultural Engineering, **Federal Polytechnic Kaduna, Kaduna**. Higher National Diploma level (2001 – 2004)
-Total Number of Projects Examined = 30
- Department of Agricultural Engineering, **Federal University of Technology, Yola** (2004 – 2008)
- Total Number of External Post-graduate Project Examined = 4 (1-Ph.D, 3-M.Eng.)
- Department of Agricultural Engineering, **University of Nigeria, Nsukka (UNN)**. (2011 – 2016), 2020-Date
-Total Number of External Ph.D., M.Eng., B.Eng. Projects Examined = 220(5-Ph.D, 15-M.Eng, 200-B.Eng)
- Department of Agricultural Engineering, **Federal University of Technology Minna** (2010 – 2013, 2016-2019).
-Total Number of External Post-graduate and undergraduate Project Examined = 113(1 Ph.D., 2-M.Eng., 110-B.Eng)
- Department of Agricultural Engineering, **Federal University of Technology, Akure** (2010 – 2015, 2017)
-Total Number of External Ph.D., M.Eng., B.Eng and PGD Projects Examined = 231(5-Ph.D., 6-M.Eng., 20-PGD, 200 B.Eng)

- Department of Agricultural Engineering and Food Engineering, **University of Uyo, Uyo, Nigeria** (2009 – 2012).
-Total Number of External undergraduate Projects Examined = 100(100-B.Eng.)
- Department of Agricultural Engineering, **Federal University of Technology, Owerri** (2015-2021)
-Total Number of External Ph.D., M.Eng., Projects Examined = 9 (2-Ph.D., 7-M.Eng.)
- Department of Agricultural Engineering, **Niger Delta University (NDU), Wilberforce Island, Bayelsa** (2016-2018)
-Total number of external undergraduate projects examined = 90-B.Eng.
- * Department of Agricultural and Environmental Engineering, **River State University (RSU), Port-harcourt**(2019, 2024 to date), -Total Number of External M.Eng., Projects Examined = 71(1-M.Eng., 70-B.Eng)
- Institute of Geosciences and Space Technology, **River State University(RSU), Port-harcourt(2020),**
-Total Number of External Ph.D., M.Phil Projects Examined = 2(1-Ph.D., 1-M.Phil.)
- Department of Agricultural Engineering, **Enugu State University of Science and Technology (ESUT) 2016-2021.**
-Total Number of External B.Eng Projects Examined = 200(200 B.Eng)
- Center of Excellence in Agricultural Development and Sustainable Environment(CEADSE), **Federal University of Agriculture Abeokuta, Ogun State(2021)**
-Total Number of External Ph.D. Projects Examined = 1(1-Ph.D)
- World Bank African Center of Excellence on Sustainable Power and Energy Development(ACESPED), **University of Nigeria Nsukka(UNN) (2020/2021-date)**
-Total number of External M.Eng(5). Ph.D Dissertations(1) Examined= 6

II. Professorial Assessment:

I have assessed **thirty (30)** candidates for promotion to the ranks of **Professor and Associate**

Professor from the following thirteen (15) Universities:

- University of Maiduguri, 1 candidate(2010),
- Federal University of Technology Owerri, Nigeria, 4 candidates (2010, 2015, 2016, 2017),
- Federal University of Technology Minna, 4 candidates (2010, 2012, 2017, 2022),
- Federal University of Technology Akure, 1 candidate (2013),
- Abubakar Tafawa Balewa University, Bauchi, 2 candidates (2012, 2015)
- University of Uyo, 4 candidates(2016, 2016, 2024, 2025)
- Federal University of Agriculture Abeokuta, 2 candidates (2016, 2019)
- Rivers State University Port-Harcourt, 1 candidate (2017)
- Enugu State University of Technology, 1 candidate (2020)
- Federal University of Agriculture Makurdi, 1 candidate (2020)
- Cross River University of Technology, Calabar, 2 candidates (2023, 2024)
- University of Nigeria, Nsukka (UNN), Nsukka, 2 candidate (2023, 2024)
- Nnamdi Azikiwe University Awka, 2 candidates (2023, 2023)
- Ahmadu Bello University (ABU), Zaria, 1 Candidate (2024)
- Federal University Wukari, Taraba State, 2 candidatess (2025, 2025)

(g) Institutional/Professional Accreditation:

I have served as resource person and team leader for 15 times to 13 different Universities and Polytechnics in Nigeria for the National University Commission (NUC) and Council for the Regulation of Engineering in Nigeria/National Board for Technical Education(COREN/NBTE) in the accreditation of Engineering programmes of the following institutions:

- Federal Polytechnic Oko (**NBTE/COREN**) (2010)
- Federal Polytechnic Plateau (**NBTE/COREN**) (2012)
- University of Ilorin (**NUC**), twice (**Team Leader, 2016**) (2013, 2016)
- Federal University of Agriculture Makurdi (**NUC**) (2014)
- Imo State Polytechnic (**NBTE/COREN**) (2014)
- Cross River State University of Science and Technology(**NUC**), twice (2014, 2016)
- Niger Delta University, Bayesa State (**NUC**) (2015)
- Federal University of Technology, Minna (**NUC**) (2015)
- Olabisi Onabanjo University, Ago-Iwoye, (**NUC**)-**Team Leader** (2017)

- Federal University, Oye- Ekiti **(NUC)-Team Leader** (2017)
- Ahmadu Bello University, Zaria **(COREN)** (2018)
- Akwa Ibom State University, Resource Verification **(NUC)** (2020)
- Bayero University Kano, Kano State **(NUC)** (2022)

(D) ACADEMIC LEADERSHIP AND MENTORSHIP

1. Graduate Products Profile

- Prof. F. A. Adisa. Professor, Department of Agricultural Engineering, Federal University of Agriculture Abeokuta
- Prof. U. A. Kawuyo. Associate Professor, Department of Agricultural Engineering, University of Maiduguri
- Dr. V. A. Ajiboye, Former Head of Department, Department of Agricultural Engineering, Federal Polytechnic Bida.
- Dr. B. Babashani, Formerly with Ahmadu Bello University, Zaria
- Dr (Mrs) M. C. Ikejiofor. Head of Engineering Unit, National Root Crops Research Institute(NRCRI) Umudike
- Dr. E. O. Ohimor. Senior Lecturer, Federal University of Petroleum Resources, Warri
- Dr. J. Ehiem, Lecturer I, Department of Agricultural Engineering, Michael Okpara University of Agriculture Umudike
- Dr. A. O. Igbozulike. Senior Lecturer , Department of Agricultural Engineering, Michael Okpara University of Agriculture Umudike
- Dr. Okon, Samuel. Senior Lecturer, Department of Agricultural Engineering, Akwa Ibom State University (AKSU).
- Dr. M. L. Attanda. Associate Professor, Department of Agricultural Engineering, Bayero University Kano(BUK)
- Dr. S. Shittu Senior Lecturer, Department of Agricultural Engineering, Bayero University Kano(BUK)
- Dr. O.L. Akangbe, Senior Lecturer, Department of Agricultural Engineering, Abubakar Tafawa Balewa University Bauch(ATBU),
- Dr. (Mrs) Nneka Ogbuagu. Lecturer 1, Department of Agricultural Engineering, Nnamdi Azikiwe University Awka(NAU)
- Dr. Chukwuma, Senior Lecturer, Department of Agricultural Engineering, Nnamdi Azikiwe

University Awka(NAU)

- Engr. Nnamdi Menkiti, Oil Company, Portharcourt, River State, now in Canada
- Engr. Blessing Iwuchukwu, Lokoja, Kogi State
- Engr. Nwachukwu, C. Department of Agricultural Engineering, Michael Okpara University of Agriculture Umudike.
- Dr. Nnadozie, K. Department of Agricultural Engineering, Michael Okpara University of Agriculture Umudike.
- Engr. E.N. Guwo (Late), Extension Specialist, Agricultural Engineering Division, National Agricultural Extension Research and Liaison Services (NAERLS), Zaria
- Dr. Y. Yerima. Lecturer 1, Department of Mechanical Engineering, Igbinediom University Okada, Benin
- Ejike, Rachel. Department of Food Science and Technology, Michael Okpara University of Agriculture, Umudike.
- Dr. Abada, O. Department of Agricultural and Bioresources Engineering, University of Nigeria Nsukka (UNN)
- Ndubuisi, C. Department of Agricultural Engineering, Federal Polytechnic Nekede, Owerri, Imo State, Nigeria
- Ferdinand Ngosong. African Centre of Excellence for Sustainable Power and Energy Development (ACE-SPED), University of Nigeria Nsukka (UNN).

2. Other Mentees

- Prof. Nwandikom, Fmr. Dean School of Engineering, Federal University of Technology Owerri
- Prof. S. Asoegwu. Fmr. Director of Center for Industrial Research, Federal University of Technology Owerri
- Prof. Chukwu. Fmr. Director Linkages, Federal University of Technology, Minna
- Prof. L.G. Abubakar. Dean, Faculty of Engineering , Abubakar Tafawa Balewa University, Bauchi
- Prof. Olukunle. Fmr. Head, Department of Agricultural Engineering, Federal University of Technology, Akure
- Prof. B. Umar. Fmr. Rector, Borno State Polytechnic, Maiduguri
- Prof. A. F. Alonge, Department of Agricultural Engineering, University of Uyo
- Prof. Ituen, Department of Agricultural Engineering, University of Uyo

- Dr. A. P. Uzoiye, Associate Professor, Federal University of Technology Owerri, Nigeria
- Prof. S. O. Nkakini, Reader, Rivers State University, Npkolu- Oroworukwo, Port Harcourt
- Dr. Solomon, Reader, Federal University of Technology, Minna, Niger State.
- Dr. A. A. Aderinlewo, Reader, Federal University of Agriculture, Abeokuta.
- Prof. Ayorinde. Professor, Department of Agricultural Engineering, Federal University of Technology, Akure
- Prof. Adelusi. Professor, Department of Agricultural Engineering, Federal University of Technology, Akure
- Dr. E. Ikrang. Associate Professor, Department of Agricultural Engineering, University of Uyo
- Dr. J. Nwakaire. Associate Professor, Department of Agricultural Engineering, University of Nigeria Nsukka
- Prof. A. O. Ani. Professor, Department of Agricultural Engineering, University of Nigeria Nsukka
- Dr. N. O. Namessan. Dean, Faculty of Engineering, Taraba State University, Jalingo
- Dr. F. U. Asoiro. Associate Professor, Department of Agricultural Engineering, University of Nigeria Nsukka
- Dr. O. F. Obi. Senior Lecturer, Department of Agricultural Engineering, University of Nigeria Nsukka
- Engr. B. B. Uzoejinwa. Lecturer, Department of Agricultural Engineering, University of Nigeria Nsukka
- Dr. S. L. Ezeoha, Associate Professor, Department of Agricultural Engineering, University of Nigeria Nsukka
- Dr (Mrs) Nneoma, Aneke. Lecturer 1, Department of Agricultural Engineering, University of Nigeria Nsukka
- Dr. Ekemube, A. R. Department of Agricultural and Environmental Engineering, River State University.
- Engr. O. Onu. Lecturer, Department of Agricultural and Bioresources Engineering, Michael Okpara University of Agriculture Umudike
- Engr. M. N. Umego, Lecturer, Department of Agricultural and Bioresources Engineering, Federal University Oye-Ekiti
- Prof. (Mrs). T. K. Kaankuka, Department of Agricultural Engineering, Federal University of

Agriculture, Makurdi

- Dr. Haruna Sule., Director, Strategic Grain Reserve, Federal Ministry of Agriculture, FCT. Abuja.
- Dr. (Mrs) Asoenye, Gladys Uche, Lecturer, FUTO., Owerri, Imo State.
- Dr. Okafor, Victor Chijioke, Lecturer, FUTO., Owerri, Imo State
- Engr. Ucheoma, Ihuomachukwu Tochukwu, FUTO., Owerri, Imo State
- Dr (Mrs) Nse Eberendu. Aluminium Company, Lagos
- Engr. Nwosu, George Chukwuemeka (Pg/Ace-Sped/2019/M/001), Work Services, University of Nigeria Nsukka(UNN)
- Engr. Ogoegbulem, Ogochukwu Chiazor(PG/ACE-SPED/2019/M/003), The Cheksons Auto Tech., Warri, Nigeria.
- Engr. Ugwuja, Kelechi Samson(Pg/Ace-Sped/2019/M/002), Private Engagement, Abuja, Nigeria
- Engr. Nunoo, Beatrice Naaami (PG/ACE-SPED/2019/004)
- Engr. Odo, Denis Onyeka, ACE-SPED, UNN
- Prof. C.N. Anyanwu, UNN
- Prof. O.C.Nwajinka, UNIZIK
- Dr. Desmond Amaefule, Associate Professor UNIZIK
- Prof. S. O. Odey, CRUST/UNICROSS(2023-2024)
- Dr. T. O. Olanrewaju, Principal Extension Specialist(Reader), Ahmadu Bello University (ABU), Zaria(2024)
- Dr Mfekemfon Godwill Akpan(Nee Obot), Department of Agricultural and Food Engineering, Univerity of Uyo
- Dr. Ngabea, Shanya Audu, Department of Agricultural Engineering, Federal Univerity Wukari
- Dr. Shitu, Adeoye Abdulkarim, Department of Agricultural Engineering, Federal Univerity Wukari

E. COMMUNITY/EXTENSION SERVICES

- **Community Development Project**, on Design and Fabrication of a Millet Threshing Machine, National Youths Service Corps(1988-1989)
- **Member**, Monthly Technological Review Meetings (MTRM), Jigawa State, IAR/ABU, Zaria, Nigeria (1992- 1995).
- **Member**, Monthly Technological Review Meetings (MTRM), Sokoto State, IAR/ABU.,

Zaria, Nigeria (1996).

- **Coordinator**, Agricultural Mechanization Research Programme's States experiment project in Groundnut Oil Extractor for Kebbi State (2001).
- **Organized Training Workshops** for Rural communities in Kano, Jigawa, Katsina, Sokoto and Kaduna States on the operations, maintenance and use of newly developed Post-harvest machines and equipment, Ahmadu Bello University, Zaria(2001-2009)
- **Rural Community Research and Development Project:** Assessing the Extent of Agricultural Processing and Storage Activities in “Oboro” Rural Community, Abia State, Nigeria (2007)
- **Patron**, Anambra State Student’s Union, Michael Okpara University of Agriculture Umudike(2011-2015)
- **Public Lecture on the “Role of Elite on Community Development (A case study of Obosi kingdom)”**. Paper delivered at the inauguration / handover of 2019 Obosi Development Union Central Executive/ Launching of Community Development Fund(2019).
- **Member, Chapel of Revelation Committee** on Capital Project, Michael Okpara University of Agriculture, Umudike (2019)
- **Community Development Project**, on Review of Level of Awareness and Adoption of Improved Maize Processing Technology in Oboro Community (2023)

F. PROFESSIONAL CONSULTANCY/RESOURCE PERSON

- **Resource Person** to the National Centre for Agricultural Mechanization, Ilorin on Research and Development of Prototypes Agricultural Machinery (1994).
- **Resource Person** to the Semi-Arid Food Grain Research and Development [AU-STRC SAFGRAD], Ouagadougou, Burkina Faso on Development of Ginger slicing machine(2003)
- **Consultant** to the Agricultural Research Council of Nigeria (ARCN) on Analysis of Competitive Agricultural Research Grant Scheme Concept Note. (2009)
- **Consultant** to the World Bank and African Center for Technology Studies Nairobi, Kenya on International Assessment of Agricultural Science and Technology Development: Biomass Energy for Sub-Saharan Africa (2004-2006)
- **Consultant** to IFAD/ICRISAT on Development and Commercialization of Charcoal Fired

Cooking Stoves (2001)

- **Resource Person** to KKM Research Project in collaboration with IAR/ ABU., Zaria, IITA Ibadan and ADPs in Kano and Katsina States (2007/2008)
- **Resource Person/ Guest Lecturer** at the Investiture/ Annual General Meeting of the Nigerian Society of Engineers, Umuahia Branch (2010)
- **Resource Person** to the National University Commission (NUC) and Council for the Regulation of Engineering in Nigeria/National Board for Technical Education (COREN/NBTE) in the accreditation of Engineering programmes in Universities and Polytechnics between 2010-2017.
- **Resource Person** to a three day training workshop on Basic Mathematical Modeling, organized by the National Centre for Equipment Maintenance and Development(NCEMD), University of Nigeria Nsukka (2015).
- **Resource Person/ Keynote Address Speaker** at the 4th Engineering Week/ Public Lecture of the Nigerian Society of Engineers, Umuahia Branch (2016)
- **Resource Person** for the 1st MOUAU Induction Programme on Strategic Planning and Management in Universities (2016)
- **Resource Person/CO-Examiner** for Nigerian Society of Engineers(NSE) Professional Examination, Umuahia Centre (2014)

G. EDITORIAL EXPERIENCE

I served as a Reviewer and Editor to the following Journals listed below:

- **Journal of Computer and Electronics in Agriculture (International)**, published by Elsevier publisher, United States of America (2006)
- **Applied Engineering in Agriculture (International Journal)**. Published by The American Society of Agricultural and Biological Engineers (ASABE) (2012).
- **Journal of Agricultural Engineering and Technology**. Published by the Nigerian Institution of Agricultural Engineers (NIAE) (2001)
- **Nigerian Journal of Engineering Science and Technology Research(NJESTR)**, published by the Federal University of Technology, Yola. (2011)
- **Journal of Applied Agricultural Research**, published by the agricultural Research Council of Nigeria (2010-2013).
- **Editor** (Processing and Storage Engineering): **Savanna Journal of Agricultural Mechanization, Nigeria** (2002)

- **Nigerian Journal of Renewable Energy**, Usman Danfodio University Sokoto(2003)
- **Samaru Journal of Agricultural Research**, Ahmadu Bello University Zaria(2004)
- **Journal of Sustainable Agriculture**, Michael Okpara University of Agriculture Umudike, Nigeria (2011-date)
- **Assessor/ Reviewer:** Competitive Agricultural Research Grant Scheme Concept Note, Agricultural Research Council of Nigeria (ARCN) (2009)
- **Umudike Journal of Engineering and Technology(UJET)**, Michael Okpara University of Agriculture Umudike, Nigeria (2015)
- **Member, Editorial Advisory Board**, Umudike Journal of Engineering and Technology (UJET), Michael Okpara University of Agriculture Umudike, Nigeria (2017).
- **Member, Editorial Board**, African International Journal of Engineering (2019).
- **Editor-in-Chief**, UNIZIK Journal of Agricultural and Biosystems Engineering(UJABE). Department of Agricultural and Bioresources Engineering, Nnamdi Azikiwe University Awlka, Anambra State, Nigeria (2025-date).

H. WORK EXPERIENCE OUTSIDE THE UNIVERSITY SYSTEM

- **Agricultural Engineer** (1988-1989): Agricultural Engineering Department, State Ministry of Agriculture and Natural Resources, Katsina (National Youth Service Corps). Supervision of Agricultural and Rural Development Projects. Maintenance and Repairs of Agricultural Tractors and Implements, Heavy Earth Moving Equipment, Grain Processing Plants; Feed mills, storage structures, Rural water and electrification services, Design and Fabrication of Grain processing Equipment.
- **Divisional Agricultural Engineer** (1989-1991): Katsina State Agricultural Mechanization Authority- Supervision of Tractor Hiring Services, Monitoring and Evaluation of Rural Development Projects (Processing storage and plant production Equipment). Maintenance and services of Agricultural machines and equipment.
- **President**, Full Gospel Business Men's Fellowship International, ABU., Zaria Main Campus Chapter(2003-2006)
- **Member**, Chapel of Revelation, Michael Okpara University of Agriculture, Umudike, Umuahia, Abia State, Nigeria.

I. INTERNATIONAL/ NATIONAL CONFERENCES ATTENDED

(a) International Conferences Attended:

- Conference of World Congress Of Engineering Educators and Industry Leaders, Paris France. Jointly Organized by United Nations Educational Scientific and Cultural Organization (UNESCO), United Nations Industrial Development Organization (UNIDO), International Union of Technical Associations and Organization (UATI), and World Federation of Engineering Organization (WFEO) 2-5 July 1996.
- Conference on Strengthening African Food Processing Project. Organized by the Council for Scientific and Industrial Research (CSIR). Republic of South Africa (23-25 August, 2000).
- Annual Conference of South Africa Institution of Agricultural Engineers. Organized by the South African Institution of Agricultural Engineers. Pretoria North, Republic of South Africa. July 2000.
- Conference on Role of Research and Development Institute in the Development and Diffusion of Technology. Organized by the Department of Engineering and Technology Management University of Pretoria, Republic of South Africa,(August, 2000).
- Annual International Conference on Agricultural Engineering Interventions In The Critical Sectors of A Developing Economy. Organized by the Nigerian Institution of Agricultural Engineers. Held at Enugu, Nigeria (10-14 September, 2001).
- First International Conference of West African Society for Agricultural Engineering on Food Security and Poverty Alleviation in West Africa. Held at ECOWAS Secretariat Abuja, Nigeria. Organized by The (WASAE) and (NIAE), Nigeria (24-28 Oct. 2002).
- 12th International Conference on Management of technology. Organized by the International Association of Management of Technology (IAMOT), Held at Nancy, France, 13 – 15 May, 2003.
- 23rd Annual International Association of Impact Assessment Conference. Organized by the International Association of Impact Assessment (IAIA). Held at Marrakech, Morocco, 14-20 June, 2003.
- Second Sub-Saharan African (SSA) Meeting of Sub-Global Authors on International Assessment of Agricultural Science and Technology for Development (IAASTD), Organized by the World Bank and the African Centre for Technology Studies (ACTS). Held at the NOVOTEL, Dakar, Senegal, 26-29 June, 2006.

- The 7th International Conference and 28th Annual General Meeting of the Nigerian Institution of Agricultural Engineers (A division of the Nigerian Society of Engineers). Held at the NAERLS Conference Hall, Ahmadu Bello University, Samaru-Zaria, Nigeria, 6-10 November, 2006.
- Third Sub-Saharan African (SSA) Meeting of Sub-Global Authors on International Assessment of Agricultural Science and Technology for Development (IAASTD), Organized by the World Bank and the African Centre for Technology Studies (ACTS). Held at the International Livestock Research Institute (ILRI), Addis Ababa, Ethiopia, 28 Nov- 1 Dec, 2006.
- The 18th International Conference and 38th Annual General Meeting of the Nigerian Institution of Agricultural Engineers (A division of the Nigerian Society of Engineers). Held at the Senator Pius Anyim Auditorium, Michael Okpara University of Agriculture Umudike, Nigeria, 3-6 October, 2017.
- International Conference on Engineering, Science & Technology for Sustainable Development (ICEST); Organised by the Faculty of Engineering, University of Cross River State, Calabar, Nigeria. 23rd -25th November, 2023.
- International (Hybrid) Conference on Sustainable Engineering for Resilient Future; Organised by the Faculty of Engineering, Nnamdi Azikiwe University, Awka Anambra State, Nigeria. 12th -13th February, 2026.

(b) National/ Regional Conferences Attended:

- National Conference on Commercialization of Agricultural Machinery, Refurbishing of Tractors and Equipment. Organized by the National Centre for Agricultural Mechanization, Ilorin, Nigeria 10 -13 October, 1994.
- Annual Conference of Nigerian Society of Agricultural Engineers. Held at Federal University of Technology Akure, Nigeria. Organized by the Nigerian Society of Agricultural Engineers (NSAE). 1995.
- Annual Conference of the Nigerian Society of Agricultural Engineers. Held at the Federal University of Technology Owerri, Nigeria. Organized by the Nigerian Society of Agricultural Engineers. 1996.
- National conference in Animal Traction: Regional Work Plans, UNDP/Nigeria Country Programme. Organized by the National Centre for Agricultural Mechanization (NCAM_) Ilorin 3-4 July, 1997.
- National Conference on Tillage Research and Agricultural Development in

Sub-Saharan Africa. Organized by the Nigerian Branch of the International Soil Tillage Research Organization (ISTRO). Held by National Centre for Agricultural Mechanization (NCAM), Ilorin. 22-24 October, 1997.

- Conference in Draught Animal Utilization in Nigeria. Organized by the National Agricultural Extension, Research and Liaison Services (1997).
- Monthly Technology Review Meeting at the Sokoto Agricultural Development Authority. Jointly Organized by I.A.R. and Sokoto State ADP. (1997).
- Third National Stake holder's Workshop on IFAD Project On Commercialization of Sorghum Products in Nigeria. Organised by Institute For Agricultural Research, Ahmadu Bello University, Zaria, Nigeria. 23rd January, 2002.
- Faculty Workshop on Course Material Development Organised by the Office Of Vice Chancellor, A.B.U., Zaria, Nigeria (Dec. 2002)
- Stakeholder workshop on the ICRISAT Led TF Proposal in the Sudan Savannah (SS) Zone of the Kano-Katsina-Maradi- Pilot learning site (KKM-PLs). Kano, Nigeria (14 February, 2006)
- Stakeholder workshop on the IITA Led Proposal Development for Kano-Katsina Pilot site Kano, Nigeria (15-16 February, 2006)
- Annual Conference of the Nigerian Institution of Agricultural Engineers. Held at the Federal University of Technology Yola, Nigeria. Organized by the Nigerian Institution of Agricultural Engineers(2008).
- Annual Conference of the Nigerian Institution of Agricultural Engineers. Held at the University of Uyo, Nigeria. Organized by the Nigerian Institution of Agricultural Engineers(2013).
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- Agricultural Mechanization Conference. Held at the Michael Okpara University of Agriculture Umudike, Nigeria. Organized by the Department of Agricultural and Bioresources Engineering Department, Michael Okpara University of Agriculture Umudike (2016).

J. ACADEMIC CONTRIBUTIONS: PUBLICATIONS

(a) Theses and Dissertation

- **Ndirika, V.I.O.** 1988. Design and Fabrication of a Palm Kernel Shell Fired Dryer. B.Tech. Degree Thesis. Department of Agricultural Engineering and Mechanization. Federal University of Technology, Akure, Nigeria.
- **Ndirika, V.I.O.** 1992. A System for Rural Storage of Fresh Tomato. M.Sc. Degree Thesis. Department. of Agricultural Engineering, Ahmadu Bello University, Zaria, Nigeria.
- **Ndirika, V.I.O.** 1997. Modelling the Performance of Selected Stationary Grain Threshers. Ph.D. Degree Dissertation. Department of Agricultural Engineering, Ahmadu Bello University, Zaria, Nigeria.

(b) Book and Chapter Contribution in Books

- **Ndirika, V.I.O.** 1999. Forward: How to Write Thesis or Technical Paper Quickly With Introduction On How To Retrieve Information From The Library And The Internet. Published by Faith Printers and Computer Services, Zaria. **ppi.**
- **Ndirika, V.I.O.** 2004. Post-Harvest and Processing Technologies Of Cereal Crops: Cereal Crops Of Nigeria: Principles Of Production And Utilization (ISBN-978 27 41 98 -3). Chapter 10, **pp. 307-328.**
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- **Ndirika, V.I.O.** 2021. Mechanized Crop Production(Contributing Author). Basic Textbook on Crop Science. Chapter 15, Sponsored by Tetfund.
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Systems. ISBN: 978-978-61499-5-0. First Edition, Supported by Tetfund. Designed and Printed by Academic Publishing Centre North West Zone, Usmanu Danfodiyo University, Sokoto(UDUS), Nigeria.

(c) Journal Articles

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(e) **Public/Invited/ Inaugural Lectures**

Invited Lecture Papers:

- **Ndirika, V.I.O.** 1992. A Storage System for Fresh Tomato. Paper presented at the seminar, organized by the Dept. of Agric. Engineering. Ahmadu Bello University Zaria, on the 25th May, 1992.**pp.1-23.**
- **Ndirika, V.I.O.** 1994. Research and Development of Prototypes Agricultural Machinery. Paper Presented at the National Conference on Commercialization of Agricultural Machinery, Refurbishing of Tractor and Equipment. Held at The National Centre for Agricultural Mechanization, Ilorin, 10-13 October, 1994, **pp. 1-12.**
- **Ndirika, V.I.O.** 1996. Performance Simulation Models for Stationary Grain Threshers. Paper presented at the seminar, organized by the Dept. of Agric. Engineering. Ahmadu Bello University Zaria, on the 8 February, 1996.**pp.1-18.**
- **Ndirika, V.I.O.** 1997. Care and maintenance of Irrigation Tube wells and water pumps. Paper presented at the Sokoto Agricultural Development Project Monthly Technological Review Meeting on 14th January 1997. **pp. 1-3.**
- **Ndirika, V.I.O.;** Maigida, D.N. and Ogungbile, A.O. 2002. Design of Charcoal Fired Cooking Stoves for Rural Communities in Northern Nigeria. Paper Presented at the 3rd National Stakeholder's Workshop on IFAD Project on Sorghum Utilization and Commercialization. Organized by the Institute For Agricultural Research, Ahmadu Bello University, Zaria, Nigeria. **pp. 1-14.**
- **Ndirika, V.I.O.** 2004. Technical Report Writing for Elite Journals. Invited lecture presented at the Academic Seminar, organized by Full Gospel Business Men's Fellowship International, Ahmadu Bello University Main Campus Chapter, Zaria, Nigeria on the 1st October, 2004.
- **Ndirika, V. I. O.** 2008. The Status of Agricultural Processing In Nigeria: It's Challenges in Alleviating Global Food Crisis. Invited/Lead Paper **of the 1st Annual Conference of the Nigerian Institution of Agricultural Engineers, South-East Region** held at the Nnamdi Azikiwe University, Awka, between 28-29th August, 2008. **37-50 pgs.**
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- **Ndirika, V. I. O.** 2013. Proposal for the Development of Biogas Technology For the Production of Biogas and Electricity From Animal Dung. Paper Presented at the Biotechnology Research Group Meeting in April, 2013, School of Engineering, *University of Boras, Sweden*.
- **Ndirika, V. I. O.** and Ikejiofor, M. C. 2015. Mathematical Modeling and Optimization of Post-harvest Processes. Invited paper, presented at a three days training workshop on Basic Mathematical Modeling. Organized by the National Centre for Equipment Maintenance and Development(NCEMD), University of Nigeria Nsukka. 14-18th September, 2015.
- **Ndirika, V. I. O.** 2016. Food Security in Nigeria: The Role of Engineers. Presented as Keynote Address at the 4th Engineering Week/Public Lecture of the Nigerian Society of Engineers, Umuahia Branch, held at the National Root Crops Research Institute, Umudike, Umuahia, Nigeria on Thursday 28th July, 2016.
- **Ndirika, V. I. O.** 2019. Role of Elite on Community Development (A case study of Obosi kingdom)". Paper delivered at the inauguration / handover ceremony of 2019 Obosi Development Union Central Executive/ Launching of Community Development Fund(2019).
- **Ndirika, V. I. O.** 2023. Unlocking The Potentials Of Agricultural Engineering For Sustainable Agriculture In Nigeria. Paper Presented as Guest Speaker at the International Conference on Engineering, Science & Technology for Sustainable Development (ICEST); Organised by the Faculty of Engineering, University of Cross River State, Calabar, Nigeria. 23rd -25th November, 2023.

Inaugural Lecture:

- **Ndirika, V. I. O.** 2012. Intermediate Agricultural Processing and Storage Technologies: A Panacea for Poverty Alleviation and Rural Development.**The 15th Inaugural Lecture of Michael Okpara University of Agriculture Umudike. 68 pages**

(f) Monographs and Technical Reports

- **Ndirika, V.I.O** 1987. Report of Students Industrial Work Experience on Oil Palm Processing undertaken at the Nigerian Institute for Oil Palm Research (NIFOR), Benin City, Nigeria. 109 pages.
- **Ndirika, V.I.O** 1997. Report of Survey on Animal Traction and Draught Animal Power (DAP) at Adamawa and Taraba States, Nigeria, April, 1997. 25 pages.
- **Ndirika, V.I.O** and J.J Landman. 1998. Report on the Review of Available Literatures on

Potato Storage at the Department of Agricultural and Food Engineering, University of Pretoria, Republic of South Africa. Under NARP/World Bank Sponsorship. **26 pages.**

- **Ndirika, V.I.O.** 2000. Report on “Strengthening African Food Processing Project (SAFPP)”. Organized by the Council for Scientific and Industrial Research (CSIR), Pretoria, South Africa. **29 pages.**
- **Ndirika, V.I.O.** 2000. Post Doctoral Research Project Report on “Impact Assessment of Intermediate Agricultural Processing Technologies for cereal crops: A case Study of Vergelegen Community Rural Household in the Northern Province of South Africa”. Sponsored by the Institute for Technological Innovation, Faculty of Engineering University of Pretoria, South Africa. **82 pages.**
- Ahmed, B., **V.I.O. Ndirika** and T.T. Kudi, 2004. Project Completion Report on “Enhancement of Value Added in Ginger Production and Marketing in Nigeria”. Sponsored by SAFGRAD/USAID/IAR. Submitted to the Semi-Arid Food Grain Research and Development [AU-STRC SAFGRAD], Ouagadougou, Burkina Faso. **21 pages.**
- **Ndirika, V.I.O.** 2006. Physical and Mechanical Properties of Cereal Crops. Terminal Report. Agricultural Mechanization Research Programme, Institute for Agricultural Research, Ahmadu Bello University, Zaria, Nigeria.
- **Ndirika, V.I.O.** 2008. Report Of Academic Activities During Sabbatical Appointment With The Department Of Agricultural Engineering, College Of Engineering And Engineering Technology, Michael Okpara University Of Agriculture Umudike
- Efurimibe, E. L., Asiegbu, D. A., Simonyan, K. J., **Ndirika, V. I. O.** and Ahamefule, F. O. 2014. Development of an Automated Temperature Regulatory Device for a Locally Fabricated Kerozine Stove Incubator. Research Project Completion Report, submitted to the Directorate of Research and Development, Michael Okpara University of agriculture Umudike.
- **Ndirika, V.I.O.** 2015. Report Of Academic Activities During Sabbatical Appointment With The Department Of Agricultural Engineering, Faculty Of Engineering, Federal University Oye-Ekiti

(g) Publications In News papers/Magazines

- Katsina State Government To Assists Young Inventor. Reported in Triumph Newspaper, 8th June, 1989. **pp.1 and 12.**
- FG Urged to Utilize Research Report. Reported in Democrat Newspaper, 10th June, 1989.

Reporter: Haliru S. Kende, Katsina.

- Invention of The Farmers Dream - The Millet Threshing Machine. Reported in Weekend Triumph Newspaper, Saturday, January 20, 1990. Reporter: Benneth Oghifo. **pp. 1.**
- Katsina Record of History: Katsina Scores Another First. Reported in Katsina Newsweek, June 1990. **pp. 24.**
- Graduate Develops Shelling Machine. Reported in "FUTA IN THE PRESS": Newspaper Cuttings Of News Items On: Federal University Of Technology Akure, Ondo State (October, 1983 – October, 1991). First Edition, 1991. **Pp. 26.**
- Engineers Decry Food Insecurity, Poor Agro Performance. Reported in Guardian(GuardianBusiness), August 3, 2016. **Pp.23**
- Engineers, Lecturers Task FG on Food Security. Reported in Guardian(BusinessAgro), August 14, 2016. **Pp. 49.**

K. LIST OF COUNTRIES VISITED WITH DATES

1.	South Africa	1	1998, 1999-2001
2.	Senegal		2006
3.	Ethiopia		2006
4.	Sweden		2012, 2013

L. HOBBIES AND EXTRA CURRICULAR ACTIVITIES

Reading, Gardening, Table -Tennis and Badminton

M. CITATION IN WHO IS WHO

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