

CV: Florence Ifeoma AKANEME NEE OKOYE

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Biological Sciences, University of Nigeria, Nsukka
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I. EDUCATION

- **Doctor of Philosophy**, Genetics and Plant Breeding, University of Nigeria, Nsukka, Nigeria, **1999**

Dissertation: *In vitro* Studies on explants and field studies on mycorrhizal associations of *Pinus caribaea* Mor. Var. *Hondurensis* Barr. and Golf.

- **Master of Science**, Genetics and Plant Breeding
University of Nigeria, Nsukka, Nigeria, Grade Point Average obtained = 5 on a 5-point scale. **1992**

Thesis: Studies on Yield and Some Quality Attributes of the African Yam Bean, *Sphenostylis stenocarpa* (Hochst. ex. A. Rich) Harms.

- **Bachelor of Science in Education**, Education / Biology
University of Nigeria, Nsukka, Nigeria. Grade Point Average obtained = 3.49 on a 4 - Point scale. **1988.**

II. RELEVANT SKILLS

- **Languages:**
Igbo Language (Excellent written and oral skills)
English Language (very good written and oral skills)
- **Computer/Internet Skills**
I can work effortlessly with Windows and Android Operating systems. I also have a good mastery of Microsoft Office Suite especially, Excel, Word and PowerPoint.
- **Special Skill:**
Ability to work under pressure without supervision and to learn new technologies within a short period of time.

III. ACADEMIC EMPLOYMENT

- Lecturer 11 1994 – 1997
- Lecturer 1 1997 – 2000
- Senior Lecturer 2000 – 2014
- Professor 2014 – Date

IV. WORK EXPERIENCES

- **Faculty Representative**
University of Nigeria Senate Entrance Board, **2016 - 2018**
- **Associate Dean**
Faculty of Biological Sciences, University of Nigeria, Nsukka
2012 - 2014
- **Faculty Representative**
University of Nigeria, Senate, **2012 – 2014**

- **Member,**
Technical Committee, UNN/UNESCO-HP Project on Strengthening local
biotechnology capacity in tissue culture through ICT-based research and training
collaboration with Nigerian scientists in the Diaspora, **2007 - 2014**
- **Unit Coordinator**
Natural Sciences Unit
School of General Studies,
University of Nigeria, Nsukka, Nigeria, **2003 – 2006**
- **Member as a Unit Head**
University of Nigeria, Senate, **2003 - 2006**
- **Memberships of Departmental/Faculty/University Committees**
 - Examination, Publications and Curriculum committee of Natural Sciences Unit,
School of General Studies, 2002 – 2006
 - Results Committee, Natural Sciences Unit, School of General Studies, 1998 –
2000
 - Tenders Board, Natural Sciences Unit, 2005 – 2006
 - Secretary, Editorial Board, School of General Studies, University of Nigeria,
Nsukka, 1998 – 2000
 - Appointments and Promotions Committee (Academic), School of General
Studies, 2003 – 2006
 - Board of Examiners, Admissions committee, Postgraduate Studies Committee and
Appraisals Committee (2010 – Date), Department of Plant Science &
Biotechnology.
 - Entrance Committee, Faculty of Biological Sciences, 2002 – 2005; 2009 -2010

- Postgraduate and Research Grants Committees, Faculty of Biological Sciences, 2009 – 2014
 - Chairman, Publications and Colloquium Committee, Faculty of Biological Sciences, 2012 – 2014
 - Development/Selection committee, Curriculum committee and Technical Services Committee, Faculty of Biological Sciences, 2012 – 2014.
 - Taskforce on Review of Results of Graduates of College of Medicine, University of Nigeria, Enugu Campus, 2013 – 2014.
 - University of Nigeria, Nsukka's team on the University of Groningen, Netherlands/EDU-LINK Project. Part of the assignment was to develop a Master's level course on Food Security & Biotechnology in Africa in collaboration with Chepkoilel University College, Constituent of Moi University, Kenya and Universite de Ouagadougou, Burkina Faso. 2013 – 2017. The link to the project is: <https://www.rug.nl/research/science-society-group/research-and-projects/development-cooperation/projecten/edulink-fsba/fsba-course-modules/module-5-ethics-and-world-views-in-relation-to-biotechnology>
 - Examination committee, Technical Services, Accreditation Committee, Appraisals committee, Planning & Development /Selection Committee of Faculty of Biological Sciences, 2018 - Date
- **Coordinator ship of Faculty Course**
General Genetics (Bio 351)
Faculty of Biological Sciences, **2006 – 2009, 2011-2012**
 - **Research Assistant**
Phytotherapy Research Laboratory, Department of Pharmacognosy,
University of Nigeria, Nsukka, Nigeria, **1992 – 1993**
 - **Demonstrator, General Biology Practical**
Faculty of Biological Sciences, **1990 – 1991**
University of Nigeria, Nsukka, Nigeria

V. DISSERTATION/THESIS SUPERVISION

I have successfully supervised several undergraduate and MSc. Students and currently supervising 2 PhDs and 6 MSc students.

VI. PUBLICATIONS

➤ Book

1. Udengwu, O and Akaneme, F. I. (Eds.) (2009) Introductory Practical Genetics for Life Sciences, Faculty of Biological Sciences Publications and Colloquium Committee, University of Nigeria, Nsukka. 53pp.

➤ **Peer-Reviewed Journal Articles**

1. Ene – Obong, E.E. and **Okoye, F. I.** (1992) Inter – relationship between yield and yield components in African Yam Bean, *Sphenostylis stenocarpa* (Hochst. ex. A. Rich) Harms. Beitrage zur Tropischen Landwristchaft Und Veterinarmedizin 30 (3): 283 – 290. 290.
2. Okoye, F. I. And Ene – Obong, E. E. (1992) Genetic variability and correlation studies in the African Yam Bean, *Sphenostylis stenocarpa* (Hochst. ex. A. Rich) Harms. Nigerian Journal of Botany, 5: 75 – 83.
3. Ene – Obong, E. E. and Okoye, F.I. (1993) Effects of seed coat on water permeability in the African Yam Bean. *Sphenostylis stenocarpa* (Hochst. ex. A. Rich) Harms. Nigerian Journal of Botany, 6: 43 – 51.
4. Akaneme, F. I. (2001) The influence of Natural Sciences on Agriculture. Journal of Liberal Studies, 9 (1 & 2): 298 – 314.
5. Akaneme, F. I. And Ene-Obong, E. E. (2001) In vitro propagation of *Pinus caribaea* as a potential means of providing raw materials for pulp and paper industries in Nigeria, Nigerian Journal of Biochemistry and Molecular Biology, 16(3): 52s – 60s.
6. Akaneme, F. I. And Ene–Obong, E. E. (2005) Tissue Culture in *Pinus caribaea* Mor. Var. *Hondurensis* Barr and Golf. 1: Effects of two auxins and two cytokinins on callus growth and greening, *AgroScience*,4(1):14-23.
7. Akaneme, F. I., Ene–Obong, E. E. and Nwankiti, O. C. (2005) A preliminary cytology of root tips and callus cells of *Pinus caribaea* Mor. Var. *Hondurensis* Barr. and Golf grown in the tropics. *Bio–Research*,3(2):93–100.
8. Akaneme, F. I and Ene-Obong, E. E. (2008) Tissue culture in *Pinus caribaea* Mor. Var. *Hondurensis* Barr. and Golf. 11: Effects of two auxins and two cytokinins on callus growth habits and subsequent organogenesis. *African Journal of Biotechnology*, 7(6):757-765.
9. Akaneme, F. I (2008) Identification and preliminary phytochemical analysis of herbs that can arrest threatened miscarriage in Orba and Nsukka towns of Enugu State, Nigeria. *African Journal of Biotechnology*, 7(1): 006 – 011.
10. Akaneme, F. I and Iyioko, I. V. (2008) Mutagenic potentials of the sterilizing fluid-puritol on root tip mitosis of *Allium cepa*. *Bio-Research*, 6(1): 293 – 297.
11. Ogwo, B. A, Akaneme, F. I and Bolu, C. A. (2009) Human Capital Remittances from Africans in Diaspora using Information Communication Technology: The Experiences of University of Nigeria, IST-Africa 2009 Conference Proceedings, Paul Cunningham and Miriam Cunningham (Eds.), IIMC International Information Management Corporation.

12. Akaneme, F. I and Ene-Obong, E. E. (2010) Studies on mycorrhizae development and anatomical confirmation of mycorrhizae formed on *Pinus caribaea* Mor. Var. *hondurensis* Barr. And Golf. Seedlings. *African Journal of Microbiology Research*, 4(5): 367 – 379.
13. Akaneme, F. I and Amaefule, C. C (2012) Evaluation of the cytotoxicity and genotoxicity of aqueous leaf extracts of *Azadirachta indica* A. Juss using the *Allium* test. *Journal of Medicinal Plants Research*, 6(22): 3898 – 3907.
14. Akaneme, F. I and Ani, G. O (2013) Morphological assessment of genetic variability among accessions of *Amaranthus hybridus*. *World Applied Sciences Journal*, 28(4): 568 – 577.
15. Akaneme, F. I, Odo, I. C and Okafor, L. A (2014) DNA extraction protocols for *Citrullus lanatus* and *Capsicum frutescens*: Effects of incubation temperatures and ethanol concentrations on DNA purity and quantity. *African Journal of Biotechnology*, 13(5): 634 – 639.
16. Akaneme, F. I, Igata, D, Okafor, H and Anyanebechi, O (2014) Breeding for nutritional quality for *Corchorus olitorius*, *Annona muricata* and *Pentaclethra macrophylla* 1: A study of their antinutritional contents. *African Journal of Agricultural Research*, 9(14): 1107 – 1112.
17. Akaneme, F. I; Udanor, C; Nwachukwu, J; Ugwuoke, C; Okezie, C. E. A and Ogwo, B (2014) A grid-enabled application for the simulation of plant tissue culture experiments. *International Journal of Advanced Computer Science & Information Technology*, 3(3): 227 – 242.
18. Isuosuo, C. C and Akaneme, F. I (2014) Genetic variability assessment of accessions of *Corchorus olitorius* L using sodium dodecyl sulphate polyacrylamide gel electrophoresis. *African Journal of Biotechnology*, 13(20): 2004 – 2009.
19. Abu, N.E; Ozoagudike, C.M and Akaneme, F.I (2014) Phytochemical, proximate and anti-nutrient compositions of four leafy vegetables used in South-Eastern Nigeria. *African Journal of Biotechnology*, 13(50): 4541 – 4546.
20. Udanor, C.N., Akaneme, F.I., Aneke, S., Ogbuokiri, B.O., Ezugwu, A.O., Ugwuishiwu, C.H., Okezie, C.E.A., and Ogwo, B. (2016) Deployment of an e-infrastructure for academic research. In: *E-Infrastructure and e-Services*. 7th International Conference, AFRICOMM 2015, Cotonou, Benin, December 15 – 16, 2015. Revised Selected papers. Glitho, R., Zennaro, M., Belqasmi, F., Agueh, M (Eds.), pgs. 57 – 65.
21. Isuosuo, C.C., Akaneme, F. I and Abu, N. E (2019) Nutritional Evaluation of the seeds of *Corchorus olitorius*: A neglected and underutilized species in Nigeria. *Pak. J. Nutr.*, 18 (7): 692 – 703.
22. Udanor, C. N., Akaneme, F. I., Ugwuishiwu, C. H., Aneke, S. O., Ezugwu, O. A., Nweke, O. E., Ezema, M. E and Ogbodo, I. A (2019) Deploying an Open

Source Cloud Computing Infrastructure for Academic Research, IOSR Journal of Computer Engineering (IOSR-JCE), 21(3): 61 – 74.

➤ **Book Chapters**

1. Udengwu, O. S and **Akaneme, F. I** (2010) “Morphology of Angiosperms – Fruits, Seeds and Seedlings” In: Njoku, O. U and Nweze, N. O (eds) General Practical Biology – An Integrated Approach, Faculty of Biological Sciences Publication, University of Nigeria, Nsukka. pp 88 – 98.
2. **Akaneme, F. I** (2017) “Plant Tissues” In: Ugwuanyi, J.O and Ejere, V. C (eds.) General Biology 1, Faculty of Biological Sciences Publication, University of Nigeria, Nsukka, pp 59 – 72.

➤ **Curriculum Co-developed**

Ugwuanyi, J. O and **Akaneme, F. I** (2017), Ethics and World Views in Relation to Biotechnology, Module 5 In: Food Security & Biotechnology in Africa, Master’s Level Course developed by the EDULINK-FSBA Project (2013 – 2017). The project was financed by the European Union and implemented by the ACP Secretariat. <https://www.rug.nl/research/science-society-group/research-and-projects/development-cooperation/projecten/edulink-fsba/fsba-course-modules/module-5-ethics-and-world-views-in-relation-to-biotechnology>

VIII. CONFERENCES

1. Fourth (4th) Annual Conference of the Botanical Society of Nigeria, March 1990 at the University of Nigeria, Nsukka.
2. Studies on yield attributes of the African Yam Bean, *Sphenostylis stenocarpa* (Hochst. ex. A. Rich) Harms. Paper presented at the 5th Annual Conference of the Botanical Society of Nigeria, 24th – 28th March 1991, Obafemi Awolowo University, Ile – Ife, Nigeria.
3. Seed coat effects on water permeability in the African Yam Bean, *Sphenostylis Stenocarpa* (Hoechst. ex. A. Rich) Harms. Paper presented at the 6th Annual Conference of the Botanical Society of Nigeria, 29th March – 1st April 1992, University of Jos, Nigeria.
4. A protocol for *in vitro* propagation of *Pinus caribaea* Mor. Var. *Hondurensis*. Barr. and Golf. Paper presented at the 7th Annual Conference of the Botanical Society of Nigeria, September 3rd – 7th, 1995. Ahmadu Bello University Zaria, Kaduna State, Nigeria.

5. Studies on mycorrhizal associations of *Pinus caribaea* Mor. Var. *Hondurensis* Barr. and Golf. Paper presented at the 10th Annual Conference of the Botanical Society of Nigeria, July 25th – 29th 1999, University of Port – Harcourt, Port – Harcourt, Nigeria.
6. *In vitro* propagation of *Pinus caribaea* as a potential means of providing raw materials for pulp and paper industries in Nigeria. Paper presented at the 21st Annual conference of the Nigerian Society of Biochemistry and Molecular Biology, September 19th – 22nd, 2001, University of Nigeria, Nsukka, Nigeria.
7. Tissue culture in *Pinus caribaea* Mor. Var. *Hondurensis* Barr. and Golf. 11: Effects of two auxins and two cytokinins on callus growth habits and subsequent organogenesis. Paper presented at the 18th Annual Conference of the Biotechnology Society of Nigeria, July 18th – 22nd 2005, Merit House, Abuja, Nigeria.
8. Thirtieth (30th) Annual Conference of the Genetics Society of Nigeria, 5th – 8th September, 2005, University of Nigeria, Nsukka.
9. Mutagenic potentials of the sterilizing fluid – Puritil on root tip mitosis of *Allium cepa*. Paper co-presented at the 16th Annual Conference of Botanical Society of Nigeria, March 11th – 15th 2007, University of Benin, Edo State, Nigeria.
10. Twenty-third (23rd) Annual Conference of the Biotechnology Society of Nigeria, 22nd – 26th August 2010, University of Nigeria, Nsukka.
11. Developing an effective protocol for embryo rescue in *Dioscorea* spp: Paper co-presented at the 4th Edition of Nigerian Universities Research and Development Fair (NURESDEF, 22 – 26 November, 2010 at the University of Nigeria, Nsukka.
12. Somaclonal variation and its exploitation: A review. Paper co-presented at the 20th Annual Conference of Botanical Society of Nigeria, June 6th – 9th 2011, Nnamdi Azikiwe University, Awka, Anambra State, Nigeria.
13. Genetic variability of seed storage protein of fourteen accessions of *Corchorus olitorius* (Linn) using Sodium Dodecyl Sulphate Acrylamide Gel Electrophoresis (SDS-PAGE). Paper co-presented at the 21st Annual Conference of Botanical Society of Nigeria (BOSON), June 3rd – 7th, 2012, Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria.
14. Micropropagation of Taro (*Colocasia esculenta*) cultivar ‘cocoindia’. Paper co-presented at the 21st Annual Conference of Botanical Society of Nigeria (BOSON), June 3rd – 7th, 2012, Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria.

15. Genetic variability via protein electrophoresis among ten accessions of *Sphenostylis stenocarpa* (Hochst.ex.A. Rich) Harms. Paper co-presented at the 22nd Annual Conference of Botanical Society of Nigeria (BOSON), May 25th– 29th, 2014, University of Nigeria, Nsukka, Nigeria.

16. Nutritional Composition and Variability of fourteen Accessions of *Corchorus olitorius* L. Paper co-presented at the 22nd Annual Conference of Botanical Society of Nigeria (BOSON), May 25th – 29th, 2014, University of Nigeria, Nsukka, Nigeria.

17. 7th EAI International Conference on e-Infrastructure and e-Services for Developing Countries

Date: 15th – 16th December, 2015
Venue: Hotel Novotel Cotonou Orisha, Boulevard de la Marina, 08, Cotonou Benin
Paper co- presented: Deployment of an e-Infrastructure for academic Research

18. European Grid Infrastructure (EGI) Community Forum

Theme: Building Next Generation e-infrastructure through Communities
Date: 10th– 13th November, 2015
Venue: Villa Romanazzi Carducci, Bari, Italy
Paper co-presented: Building Virtual Research Environments – The Lion Grid Experience.

19. Strategies for improvement of Orphan Crops. A paper co-presented at the 26th Annual conference of the Botanical Society of Nigeria (BOSON), August 12th– 16th 2018, Department of Plant Science and Biotechnology, Ekiti State University, Ado-Ekiti, Nigeria.

20. Morphological and Molecular Variabilities among accessions of *Macrotyloma geocarpa* (Harms). A poster co-presented at the 32nd Annual International Conference of the Biotechnology Society of Nigeria (BSN) held at the International Institute of Tropical Agriculture (IITA), Ibadan, Oyo State, Nigeria, August 18 – 22, 2019.

IX. WORKSHOPS ATTENDED

1. Hands-On-Training Course in Molecular Biology and Biotechnology organized by South East Zonal Biotechnology Centre, University of Nigeria, Nsukka (an arm of National Biotechnology Development Agency) In Collaboration with Inqaba Biotech West Africa.

Date: 6th – 10th March, 2017

Venue: South East Zonal Biotechnology Centre, University of Nigeria, Nsukka.

2. TEEAL and AGORA Train-the-Trainer Workshop

Date: 23 – 25 November, 2015

Venue: University of Nigeria,
Nsukka

3. Curriculum Development workshop as part of University of Groningen's project on Food Security and Biotechnology in Africa. The project's sponsors were the European Union and ACP Group of States. The Partner's in the project were: University of Nigeria, Nsukka, Chepkoilel University College, Constituent of Moi University, Kenya and Universite de Ouagadougou, Burkina Faso.

Date: 3rd – 31st March, 2014.

Venue: University of Groningen, Netherlands.

4. Workshop on Grid Computing User Applications for Academics and Research Communities

Theme: e-Infrastructures for Research and Collaboration

Date: 8th July 2014

Venue: MTN Connect at Nnamdi Azikiwe Library, University of Nigeria, Nsukka.

Paper presented as a resource person: A Review of Grid Computing Technology (Current Advances)

5. Scientific Advisory Board Meeting & Seminar of the International Centre for Biotechnology (UNESCO Category 11), University of Nigeria, Nsukka.

Date: 4th – 8th February, 2013

Venue: Princess Alexandra Auditorium, University of Nigeria, Nsukka.

6. Two Days Hands-On-Workshop on Grid Computing Technology for Academics

Theme: Grid Computing Technology – The Imperative 21st Century Research and Collaboration Tool

Date: 10th – 11th July, 2013

Venue: Federal University of Ndufu Alike, Ikwo (FUNIA), Ebonyi State, Nigeria.

Paper presented as a resource person: Overview of Grid Computing Technology (Advances so far)

7. Grid Computing Workshop for Academics of the University of Nigeria, Nsukka

Date: 13th December, 2011

Venue: Seminar Hall of the South-East Zonal Biotechnology Centre, University of Nigeria, Nsukka

Paper presented as a resource person: Overview of Grid Computing

8. UNESCO-HP Sponsored Advanced Training on Grid Computing

Date: 22nd – 26th March 2011

Venue: Meraka Institute, CSIR Campus
Meiring Naude Road, Lynnwood
Pretoria, SOUTH AFRICA.

9. 3rd Annual PCR Technology Workshop on Real Time PCR-Taqman Chemistry.

Date: 22nd – 26th August 2011

Venue: Safety Molecular Pathology Laboratory
Faculty of Health Sciences and Technology
University of Nigeria, Nsukka, Enugu Campus.

10. Molecular Biology Workshop 2011 (2nd Phase) organized by the Department of Microbiology, University of Nigeria, Nsukka

Date: 10th – 13th October, 2011

Venue: Physiology Laboratory, Zwelling Building, University of Nigeria, Nsukka

11. ABINL 2010 Summer Short course on Tropical Plant Biotechnology organized by Applied Biotech International Nigerian Limited.
Date: 18th – 24th July, 2010
Venue: National Centre for Genetic Research and Biotechnology (NACGRAB), Moor Plantation, Apata, Ibadan

12. Training Workshop on Tissue Culture and Molecular Biology organized by National Biotechnology Development Agency in collaboration with Applied Biotech Institute and the South East Zonal Biotechnology Centre, University of Nigeria, Nsukka.
Date: 3rd – 10th May 2009
Venue: South East Zonal Biotechnology Centre, University of Nigeria, Nsukka.

13. 12th UNAAB Summer Course in Basic Molecular Biology Techniques organized by the Biotechnology Centre of the University of Agriculture, Abeokuta, Nigeria in collaboration with the World Bank-Assisted Science and Technology Education Post-Basic (STEP-B) Project.
Date: 6th – 10th July, 2009
Venue: Biotechnology Centre, University of Agriculture, Abeokuta, Nigeria.

14. Workshop on Grid Computing: Scientific Research Infrastructure of the 21st Century

Date: 9th -10th September, 2008
Venue: Seminar Hall of the South-East Zonal Biotechnology Centre, University of Nigeria, Nsukka.
Paper presented as a resource person: Overview of Grid Computing.

15. UNESCO-HP Sponsored training on Grid Computing and EGEE/GLITE
Date: 25th – 29th March 2008
Venue: Hewlett-Packard (HP) Training Centre Johannesburg South Africa.

16. Training Programme on Plant Taxonomy, Systematics and Indigenous Bioresources Management, sponsored by National Biotechnology Development Agency (NABDA), United Nations University, Tokyo, Japan and Institute for Natural Resources in Africa (UNU – INRA)
Date: 15th November – 3rd December 2004, First Phase
7th August – 25th August, 2006, Second Phase
Venue: South – East Zonal Biotechnology Centre, University of Nigeria Nsukka, Nigeria. Successfully concluded the programme with an A Grade.

17. Workshop on Data Collection, Analysis and Interpretation using Statistical Package for Social Sciences (SPSS) sponsored by Obieri Computing Centre, University of Nigeria Nsukka, Nigeria.
Date: 26th – 29th July 2006
Venue: Computing Centre, University of Nigeria, Nsukka, Nigeria.

18. Workshop on Designing and Developing Instructional Materials organized by The National Open University of Nigeria in collaboration with the Commonwealth of Learning, Vancouver, Canada.
Date: 1st – 7th March, 2002
Venue: Confluence Beach Hotel, Lokoja, Kogi State, Nigeria.

19. National Training Workshop on Biotechnology: Cell and Tissue Culture Techniques, sponsored by National Agency for Science and Engineering Infrastructure (NASeni)
Date: 20th October – 2nd November, 1996
Venue: Laboratory for Plant Tissue Culture and Biotechnology, Department of Botany, University of Nigeria, Nsukka, Nigeria.

20. International Training Course on Plant Tissue Culture and Biotechnology Applicable to Agriculture, sponsored by the African Biosciences Network.
Date: 15th – 28th January, 1995
Venue: Laboratory for Plant Tissue Culture and Biotechnology, Department of Botany, University of Nigeria, Nsukka, Nigeria.

X. TEACHING EXPERIENCE

The courses I teach are:

➤ Undergraduate courses

- a. General Plant Molecular Biology
- b. Advances in Plant Molecular Biology
- c. Principles of Plant Biotechnology
- d. Research Methods and Plant Breeding
- e. Phytotechniques
- f. Phytobioinformatics
- g. Phytobiotechnology Ethics
- h. Cytology
- i. Genetics and Plant Breeding
- j. Genetics for Medical Students
- k. General Genetics
- l. Cytogenetics

i. Graduate courses

- Advanced and current techniques in Plant Breeding
- Biotechnology in Crop Improvement
- Bioinformatics
- Science, Environment and Innovation
- Advanced Molecular Genetics
- Advanced Genetics
- Advances in Plant Tissue Culture Techniques
- Quantitative Genetics
- Plant Microtechnique
- Research Methodology and Application of ICT in Research
- Plant Genetic Resource Management and Utilization
- Management and Entrepreneurship

XI. SCHOLARLY AWARDS/ GRANTS

- UNESCO-HP Brain Gain Project, Contract No. 3250042751 of 14th May 2012 on ‘Sustaining the Research and Grid Computing Components of the University of Nigeria’s UNESCO-HP Brain Gain Project.
- Award Certificate to Nwachukwu, J. N and Akaneme, F. I for the Best Oral Presentation (MSc) at the 21st Annual Conference of the Botanical Society of Nigeria (BOSON) held at Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria, 3rd – 7th June, 2012.
- TETFund Institutional Based Research (IBR) intervention grant with reference number: *TETFUND/DESS/UNN/NSUKKA/RP/VOL.VIII* of 2016 on ‘Deployment of an e-Infrastructure for Academic Research’.

The research team developed a public cloud computing infrastructure built on

Synnefo and Ganeti open source infrastructure as a service (IaaS) for academic research in University of Nigeria Nsukka. The Lion Cloud IaaS makes available to researchers powerful multi-core processors, storage repository, as well as open source software tools to perform big data analytics, machine learning, etc.

XII. MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

- a. Member, Botanical Society of Nigeria
- b. Member, Genetics Society of Nigeria
- c. Member, Biotechnology Society of Nigeria

XIII. PROFESSIONAL SERVICES

- a. 2006, Chairman Fund Raising Committee for the 30th Annual Conference of the Genetics Society of Nigeria.
- b. 2005, 2009 – Reviewer, Agro-Science Journal
- c. 2005 – 2010 Reviewer, Bio-Research Journal
- d. 2006 - Reviewer, Nigerian Journal of Botany.
- e. 2010, Member Local Organizing Committee for the 23rd Annual Conference of the Biotechnology Society of Nigeria held at the University of Nigeria, Nsukka from 22nd – 26th August, 2010.
- f. 2009 – 2015, Reviewer, African Journal of Biotechnology
- g. 2011 – Reviewer, Journal of Medicinal Plants Research
- h. 2014 – Member, Local Organizing Committee for the 22nd Annual Conference of the Botanical Society of Nigeria held at the University of Nigeria, Nsukka from 25th to 29th May, 2014.
- i. External Examiner, BSc. Botany, Nnamdi Azikiwe University, Awka, Nigeria, 16th - 17th September, 2015 and 22nd September, 2016.
- j. 2018 – Reviewer, International Journal of Plant and Soil Sciences.

XIV. COMMUNITY SERVICES:

- Secretary, St Christopher's Zone of Catholic Women Organization, St Peter's Chaplaincy, University of Nigeria, Nsukka (2011 – 2013)

XV. ONLINE PROFILES:

- https://www.researchgate.net/profile/Florence_Akaneme_Nee_Okoye
- <https://scholar.google.com/citations?hl=en&user=5ger8dEAAAAJ>
- <https://orchid.org/0000-0001-6833-1226>

