

# **CURRICULUM VITAE OF PROFESSOR C. F. I.**

- i. Full Name:** Christopher Friday Ijeoma, **ONWUKA**
- ii. Place and Date of Birth:** Ibadan, Nigeria; 3rd July, 1953
- iii. Nationality:** Nigerian
- iv. State of Origin:** Delta
- v. Religion:** Christianity
- vi. Current Mailing Address:** Department of Animal Nutrition, College of Animal Science  
& Livestock Production, Federal University of Agriculture, Abeokuta.  
P.M.B. 2240, Abeokuta, Ogun State. Post Code 110001. Nigeria.
- vii. E-mail Address:** [chysonka@yahoo.com](mailto:chysonka@yahoo.com) ; [chysonka@gmail.com](mailto:chysonka@gmail.com) ; [onwukacfi@funaab.edu.ng](mailto:onwukacfi@funaab.edu.ng)
- viii. Telephone Numbers:** +2348033376854; +2348082959255; +2348076085310
- ix. Marital Status:** Married to Dr. (Mrs.) Linda Ogugua Onwuka
- x. Names and Ages of Children:**

- |                                      |                                    |
|--------------------------------------|------------------------------------|
| 1. Ngozi Evelyn, Daodu, 38 years;    | (7 <sup>th</sup> December 1983)    |
| 2. Ifeanyi Valerie, Okojie, 36 years | (23 <sup>rd</sup> September, 1985) |
| 3. Emeka Charlton, Onwuka, 34 years; | (29 <sup>th</sup> November, 1986)  |
| 4. Chinedu Kester, Onwuka, 33 years  | (25 <sup>th</sup> May, 1988)       |
| 5. Onyeka Paschal, Onwuka, 25 years  | (8 <sup>th</sup> April, 1996)      |

**xi. Institutions attended with dates:**

Edo College, Benin-City	- 1967 Jan. - 1967 Dec.
St. Anthony's College, Ubulu-Uku	- 1968 Jan. - 1971 Dec.
Edo College, Benin - City	- 1972 Jan. - 1973 June
University of Ibadan, Ibadan, Nigeria	- 1975 – 1983
FUMOT Computer Centre, Abeokuta	- 1994
Le Village Français du Nigeria Centre Inter – Universitaire Nigérian d'Etude Françaises, Ajara – Badagry.	- 2005 - 2006

**xii. Academic Qualifications**

- |   |              |
|---|--------------|
| - West African School Certificate.                                | -- Dec. 1971 |
| - General Certificate of Education, O/L.                          | -- Jan. 1972 |
| - Higher School Certificate (H.S.C.),                             | -- June 1973 |
| - B.Sc. Agric. Biochemistry and Nutrition, Second Class (Honours) |              |
| - Upper Division. University of Ibadan, Ibadan. Nigeria           | -- 1978      |
| - M.Sc. Animal Science (Agricultural Biochemistry and Nutrition)  |              |
| University of Ibadan, Ibadan. Nigeria                             | -- 1980      |

- Ph.D. (Animal Science) Agricultural Biochemistry. and Nutrition, University of Ibadan, Ibadan. Nigeria -- 1983
- Cert. in Alley Farming. (AFNETA/IITA/ ICRAF/ Univ. Ibadan) -- 1990

### **xiii. Teaching, Research, Administrative and Managerial Experiences**

#### **(a) Teaching**

- (i) St. Columbus' Grammar School, Agbor ----- 1973 - 1975.
- (ii) Government Secondary School, Ilorin ----- 1978 - 1979.
- (iii) **Teaching Assistant**; Department of Animal Science, University of Ibadan, Ibadan. - 1979 – 1983.
- (iv) Department of Animal Science, University of Cross River State, Uyo  
- **Lecturer II, Lecturer I.** - 1984 - 1990
- (v) Federal University of Agriculture, Abeokuta- **Senior Lecturer, Reader, Professor of Animal Nutrition / Agric. Biochem.** - 1990 to Date.
- (vi) Igbinedion University, Okada. **Dean**, College of Agriculture, (On Sabbatical Leave) - 2006 to 2007
- (vii) University of Calabar, Calabar. Department of Animal Science (On Sabbatical Leave) - 2014 to 2015
- (viii) Tai Solarin University of Education. Department of Agriculture, (On Sabbatical Leave) - 2020 to 2021

#### **Courses Taught at University Level**

##### **-- Undergraduate courses**

- (1) ANN 503 - Ruminant Nutrition. 3.0 Units.
- (2) ANN 502- Nigerian feeds and feeding stuffs 3.0 Units.
- (3) ANP 202- Fundamentals of Animal Nutrition 3.0 Units.

##### **-- Postgraduate courses**

- (4) ANN 702 - Instrumentation in Animal Nutrition 3.0 Units.
- (5) ANN 704 - Advanced Protein and Nucleic acids - Chemistry and Metabolism - 3.0 Units.
- (6) ANN 806 - Livestock Feeds Formulation 3.0 Units
- (7) ANN 808 - Dairy Chemistry and Technology - 2.0 Units.
- (8) ANN 810 - Digestion and Metabolism in Ruminants - 3.0 Units.
- (9) ANS 705 - Topics in Animal Science Research 3.0 Units.
- (10) ANN 815 - Sheep and Goats Nutrition 3.0 Units.
- (11) ANN 816 - Large Ruminants Nutrition 3.0 Units

#### **(b) RESEARCH**

##### **SUPERVISION OF UNDER- AND POST-GRADUATE STUDENTS.**

- (a) **Supervised** an average of 5 undergraduate students each year from 1984 - 1990 at the University of Cross River State, Uyo.
- (b) **Supervised** an average of 5 undergraduate students each year from 1990 - 2021 in the College of Animal Science & Livestock Production, FUNAAB Abeokuta.

- (c) **Major Supervisor** of 18 Master of Agric. (M. Agric.) students in the Department of Animal Nutrition, FUNAAB, Abeokuta.
- (d) **Co-Supervisor** of 11 Ph.D. and 9 M. Agric. students in FUNAAB, Abeokuta.
- (e) **Major Supervisor** of 10 Ph.D. students in FUNAAB, Abeokuta. (Graduated).
- (f) **Major External Supervisor** for one Ph. D. candidate at the Department of Animal Science, Njala University, Sierra Leone.

#### **FELLOWSHIP/SCHOLARSHIP/GRANTS**

- i. **Travel Grant by the International Livestock Centre for Africa (ILCA)** to attend the Workshop on Potentials of forage legumes in farming systems of sub-Saharan Africa at Addis Ababa, Ethiopia. November, 1986.
- ii. **Travel Grant by ILCA to attend the** First Biennial Workshop of the African Feed Resources Network. (AFRNET) Gaborone Sun Hotel, Gaborone, Botswana in March, 1991.
- iii. **Travel Grant by AFNETA to attend the** International Conference on Alley Farming, Albrecht Hall, International Institute of Tropical Agriculture, (IITA) Ibadan in September, 1992.
- iv. **Travel Grant by ILCA to attend the** Second Biennial Workshop of the African Feed Resources Network (AFRNET), Harare, Zimbabwe, December, 1993.
- v. **Travel Grant by ILRI to attend the** 4th Biennial Conference of the Small Ruminant Research Network Addis Ababa, Ethiopia 6-14 Dec., 1996.
- vi. **Travel Grant by TETfund** to attend the Group-Housed Calf Systems Symposium on “Understanding Respiratory Challenges and Learning to Win” held at Double Tree Hotel, Syracuse, New York by Cornell University, Ithaca USA on 12-13 December, 2012
- vii. Research Grant by the Research and Development Centre (RESDEC) University of Agriculture, Abeokuta (UNAAB) for the Development of Molasses Blocks as Supplementary Feed for Ruminants
- viii. Livestock Extension Research Project on the Adoption of Livestock Feeds, funded by the National Agricultural Research Projects (NARP) as part of the Nationally Coordinated Research Projects, 1991. Project No. NCRP 71 - **Team Leader**
- ix. Contract No. 4442 on the Utilization of Cassava (*Manihot sp.*) as Feed Resource for Small Ruminants in Nigeria by the International Institute of Tropical Agriculture (IITA) Nigeria in 2005, (Carried out by Adu, I. F. and Onwuka C.F.I.).

- x. Collaborative research program between scientists at St. Cloud State University (SCSU), St. Cloud, Minnesota, U.S.A. and Federal University of Agriculture, Abeokuta (FUNAAB), Nigeria in the evaluation of different microalgae taxa as potential replacements of conventional energy and protein sources for ruminant and non-ruminant livestock and poultry in Nigeria. 2016
- xi. TETFund 2014 NRF Research Grant. **Title:** Utilization of cashew nut shell liquid as a dietary strategy to manipulate rumen fermentation for improved nutritional performance of ruminants by R. Y. Aderinboye; V. O. A. Ojo, C. F. I. Onwuka, O. A. Isah, O. A. Oni, O. T. Irekhore, K. O. Yusuf, T. F. Akinhanmi and I. K. Adewusi. Federal University of Agriculture, Abeokuta.
- xii. TETFund 2017 NRF Research Grant. **Title:** Supplementation of Cassava Peels with leaves and maize cobs for WAD goats by A. O. Oni, C. F. I. Onwuka and O. S. Sowande, S. O. Iposu, B. O. Oluwatosin, O. O. Adeleye, S. O. Sonibare, A. M. Adetoye. Federal University of Agriculture, Abeokuta.
- xiii. TETFund 2020 NRF Research Grant.
- xiv. TETFund Travel Grant to Attend the Train the Trainers on Research Project Management and Writing Skills Capacity Building Workshop at Radisson Blu Hotel, Dubai, United Arab Emirates. Organised by the Centre of Excellence in Emerging Technologies (CEET), Central State University, Wilberforce, Ohio. USA from 4 – 8 January, 2021

**(c). Administrative**

**POSITIONS HELD WITHIN THE UNIVERSITY SYSTEM**

- 1) Acting Head, Department of Animal Nutrition (1991 to 1997) - **Ag. Head**
- 2) Appointments & Promotions Committee for Academic Staff (APCAS) - Member
- 3) World Bank Facility Implementation Committee (WOBFIC) - Member
- 4) Farm Management Committee (FAMAC) - **Chairman**
- 5) Committee of Heads of Departments, COLANIM - Member
- 6) Admissions Committee - Member
- 7) Farm Development Board - Member
- 8) Curriculum Committee - Member
- 9) Departmental Examinations Animal Nutrition Dept. - **Coordinator**
- 10) COLANIM Postgraduate Project/Seminar - Coordinator

**(ii) OCTOBER 1998 - TO FEBRUARY 2005**

- 1) Postgraduate Board - Member
- 2) College of Animal Science Board - Member
- 3) College of Plant Science Promotion Assessment Panel - Member

- 4) College. of Animal Science Promotion Assessment Panel - Member
- 5) College of Environ. Res. Mgmt. Promotion Assessment Panel - Member
- 6) Senate Committee on Examination Results - Member/**Chairman**
- 7) University Senate -Member
- 8) COLANIM Cattle Management Committee (CAMTEC) - **Leader**
- 9) Livestock Extension NARP NCRP 71 Research Project -**Team Leader**
- 10) Student Affairs - Dean**
- 11) Committee of Deans and Directors (CODAD) - Member / **Chairman**
- 12) Joint Council / Senate Selection Board for the Selection of the Vice-Chancellor of UNAAB (2001) - **Member/Senate Rep.**
- 13) Honorary Degrees Committee - Member
- 14) Research and Development Management Committee -Member/ Senate Rep.
- 15) University Sports Committee - **Chairman**
- 16) Students Welfare and Hostel Management Committee - **Chairman**
- 17) Appointments and Promotions Committee(APCAS) - Member
- 18) Assoc. of Deans of Agric. in Nig. Universities (**ADAN**) - Member/**Secretary**
- 19) Works and Payments Management Committee - Member
- 20) Farm Development Board (FADEB) - Member
- 21) Committee of Deans of Student Affairs in Nigerian Universities (CODESANU) -**National Chairman**
- 22) University Budget Committee - Member
- 23) Nigerian Universities Games Association (NUGA) {1999-2005} - **Member**
- 24) Farmers Aid Movement of Nigeria (an NGO) -**Member/Technical Director**

**iii. AT IGBINEDION UNIVERSITY, OKADA (September 2006 to 2007)**

- a. **Governing Council, IUO ----- Member**
- b. College of Agriculture Igbinedion, Okada. ----- **Dean**
- c. Curriculum committee ----- **Chairman**
- d. University Senate ----- Member
- e. Students Self-Empowerment Programme (SSEP) ----- **Chairman**
- f. College of Agriculture Board ----- **Chairman**
- g. Agricultural Venture Committee ----- Member
- h. Accreditation Committee ----- **Chairman**
- i. Council Committee on Students Population and Fees Collection --**Member**
- j. Academic Planning Division ----- **Deputy Director**
- k. IUO Sports Council ----- **Chairman**

**iv. FUNAAB 2008 TO DATE**

- a) Students Industrial Work Experience Scheme (SIWES) 2008 -2009 - **Director**
- b) College of Animal Science Board - **Member**
- c) College of Animal Science Board of Studies - **Member**
- d) COLAMRUD Promotion and Assessment Panel - **Member**
- e) University Senate - **Member**
- f) Ceremonials Committee {CERECOM} 2007-2010 - **Chairman**
- g) Users' Committee on the Construction of the Sports Complex Phases I & II - **Chairman**
- h) Agric. Soc. of Nig. (ASN) Fellowships Award Committee - **Chairman**
- i) National Executive Council, Agricultural Society of Nigeria - 2002 to Date -**Member**
- j) National Exec Council, Nigerian Society for Animal Production - 1992 to Date - **Member**

- k) **Deputy Vice-Chancellor (Academic) UNAAB.** - Sept 2009 - Sept 2011
- l) University Governing Council - Sept 2009 - Sept 2011 - **Member**
- m) Joint Council / Senate Selection Board for the Appointment of other Principal Officers of FUNAAB (2017) - **Member/Senate Representative.**
- n) Chairman, Small Ruminant Technical Committee of Col. Of Animal Sci. 2019 -2021

**Other Job Experiences**

- (a) United Bank for Africa, (UBA) Ltd. Benin - City (Cashier) - 1975
- (b) Nigerian Livestock and Meat Authority – Poultry Production Unit, Ilorin (NYSC) ----- 1978 - 1979
- (c) Ministry of Agriculture and Natural Resources, Benin- City. Bendel State. (**Agric. Officer II**) - 1979
- (d) Kikachikwu Agricultural Enterprises, Benin-City /Ogwashi-Uku - **Production Manager**, Feedmill and Parents stock. - 1984

**AS A TWO-TERM DEAN OF STUDENT AFFAIRS FROM 1998 TO 2005**, I was in charge of students’ welfare, Hostel accommodation allocation and maintenance, Registration and monitoring of Clubs and Societies, and oversaw/regulated activities of the Student Union. I worked with, and superintended over Hall Wardens, Supervisors and porters. I actively participated in the following committees:

- 1) **Chairman**, University Sports Committee
- 2) **Chairman**, Students Welfare and Hostel Management Committee
- 3) **Member**, Appointments and Promotions Committee (APCAS)
- 4) **Chairman / Member**, Committee of Deans and Directors (CODAD)
- 5) **Coordinated the Rehabilitation** of some errant students in a very impactful Workshop with the assistance of Neuropsychiatric Hospital. Aro, Abeokuta and some Psychologists and Counsellors.
- 6) **National Chairman**, Committee of Deans of Student Affairs in Nigerian Universities (CODESANU) -
- 7) **Member/Secretary**, Assoc. of Deans of Agric. in Nigerian Universities (**ADAN**)
- 8) **Member**, Nigerian Universities Games Association (NUGA) and led students to the annual NUGA competitions.
- 9) **Member**, West African University Games Association (WAUG). Led contingents that won laurels to Nigeria, Benin Republic, Togo, Ghana and Burkina Faso.

**AS DEPUTY VICE-CHANCELLOR (ACADEMIC) AND PRINCIPAL OFFICER, UNAAB:**

- a) I assisted the Vice-Chancellor in the running of the University. In the absence of the Vice-Chancellor, I oversaw the affairs of the University. I was involved in the following Academics-related Statutory bodies, Committees and responsibilities, among others:
- b) University Senate - **Member**
- c) Business Committee of the University Senate - **Chairman**
- d) Student Disciplinary Committee (SDC) - **Chairman**
- e) Academic Planning & Curriculum Committee - **Chairman**
- f) Appointments & Promotions Committee for Academic Staff (APCAS)– **Member**
- g) Appointments & Prom. Committee for Non-Teaching Staff (APCONTS)–**Member**

- h) University Governing Council - Member
- i) Finance and General Purposes Committee - **Member**
- j) Capital Development Committee - **Member**
- k) Tenders Board - **Member**
- l) University Staff School Board - **Alternate Chairman**
- m) Library Committee - **Chairman**
- n) SIWES Committee - **Chairman**
- o) Post-UTME Screening Committee - **Chairman**
- p) University Management Team - **Member**
- q) Local Organizing Committee for NUGA Zone F Preliminaries 2011- **Chairman**
- r) Examinations, Admissions and Students' Matters.
- s) Started the **implementation and use of electronic examinations (e-Exams) / Computer-based Test (CBT)** by students of Federal University of Agriculture, Abeokuta and its use for **Post-UTME exams**.
- t) Participated in the Annual Conference of All-Africa Students Union / The Kwame Nkrumah Leadership Award Held at the University of Ghana, Legon, Ghana on Saturday, May 1, 2010.
- u) Participated in the Access to Success Workshop organized in Accra, Ghana by the Association of African Universities, (AAU) at the La Palm Royale Beach Hotel, Accra, Ghana 3-4 May 2010.
- v) Participated in the Indo Global Education Summit organized in Hyderabad, India by the Indus Foundation, USA, 2-8 December 2010.
- w) Participated in the 15th Annual Internationalization Conference organized by IEASA in Durban University of Technology, Durban, South Africa from 30<sup>th</sup> August to 3<sup>rd</sup> September, 2011. (As Leader of UNAAB's delegation to the Conference).
- x) Other responsibilities assigned to me by the Vice-Chancellor, Senate and the Governing Council of the University from time to time.

#### **xiv. SERVICE WITHIN AND OUTSIDE THE UNIVERSITY SYSTEM**

##### **(A) ACADEMIC (a) Undergraduate**

1. External Examiner, Dept. of Animal Science, University of Ibadan - 1991-1994
2. External Examiner, Dept. of Animal Science, Univ. of Calabar - 1998-2001
3. External Examiner, Department of Animal Production, University of Ilorin.
4. External Examiner, Dept. of Animal Production and Fisheries, Lagos State Poly, Lagos.
5. External Examiner, Dept. of Animal Science, University of Benin - 2005- 2008
6. External Examiner, Dept. of Animal Science, University of Uyo - 2003-2006

##### **(b) Postgraduate**

7. External Examiner for 8 Ph.D. Candidates, University of Ibadan, Ibadan.
8. External Examiner for one Ph.D. Candidate - University of Ilorin, Ilorin.
9. External Examiner for one M.Sc. Candidate - University of Benin, Benin City.
10. External Examiner for M.Sc. & Ph.D. Candidates- Fed. Univ. of Tech (FUTO), Owerri.
11. External Examiner, Dept. of Anim. Prod., Olabisi Onabanjo University, - 2006- 2009
12. External Examiner for M.Sc. Candidates-Rivers State Univ. of Sci. & Tech, P/Harcourt.
13. External Examiner for Ph.D. Candidate - Ambrose Alli University, Ekpoma.

**(c) Editorial**

14. Deputy Editor-in-Chief of the Nigerian Journal of Animal Production - 1992-1994.
15. Editor-in-Chief - Nigerian Journal Animal Production. 1994 March-to-March, 1998.
16. Deputy Editor-in-Chief, Nigerian Agricultural Journal - 2000-2006
17. Editor-in-Chief, Nigerian Agricultural Journal – 2006- 2009.
18. Sub-Editor, Small Ruminant Research Journal (Elsevier , Netherlands)
19. Editorial Reviews for a number of Scientific Journals (Local and International).
20. Editor-in-Chief, FUNAAB Journals Management Committee, (2012 - 2019) for:
  - a) Journal of Agricultural Science and environment (JAgSE)
  - b) Journal of Natural Science and Engineering (JNSET)
  - c) Journal of Humanities, Social Sciences Creative Arts (JHSSCA)

**(xv). EXTERNAL ASSESSOR FOR SOME PROFESSORIAL CANDIDATES IN:**

- Ahmadu Bello University, (ABU) Zaria
- Akwa Ibom State University, (AKSU), Obio Akpa, Uyo.
- Ambrose Alli University, Ekpoma.
- Babcock University, Ilishan Remo
- Crescent University, Abeokuta.
- Ebonyi State University, Abakaliki.
- Federal University of Technology (FUTA), Akure.
- Federal University of Technology (FUTO), Owerri.
- Kogi State University, Anyigba.
- Ladoke Akintola University of Technology, (LAUTECH) Ogbomosho
- Michael Okpara University of Agriculture, (MOUA), Umudike
- Obafemi Awolowo University, (OAU), Ile-Ife
- Olabisi Onabanjo University, (OOU), Ago-Iwoye
- Osun State University, Osogbo.
- Rivers State University of Science and Technology, Port-Harcourt {RSUST}
- Tai Solarin University of Education, Ijagun, Ijebu-Ode (TASUED)
- University of Benin, Benin City.
- University of Calabar, Calabar.
- University of Ibadan, Ibadan.
- University of Uyo, Uyo.
- Kwara State University, Malete, Ilorin. Kwara State.
- Adeniran Ogunsanya College of Educ., Ijanikin, Lagos (Chief/Principal Lecturers)

**(xvi) NON-ACADEMIC SERVICES**

- 1) **Patron**, Chemical Sciences Students' Association, UNAAB
  - Animal Science & Livestock Prod. Students Association, UNAAB {now NASSA}
  - Akwa Ibom State Students Association UNAAB 1991 to date.
  - Delta State Students' Association FUNAAB 1991 to date.
  - Man O' War Club, & Road Safety Club, FUNAAB**Adviser**- Nigerian Association of Agricultural Students, UNAAB 1992 to date.
  - Leo Club, UNAAB (1991 to 2012).
- 2) **Staff Adviser/Member** AIESEC Board of Directors
- 3) **Staff Adviser/Member**, Board of Directors, Junior Chambers International, JCI, FUNAAB



- 4) Member - The Scout Association of Nigeria, (TSAN) Ogun State. Group Committee, Ibara Local Association.
- 5) Council Member, Ogun State Scout Council
- 6) Publicity Secretary- Academic Staff Union of Univs. ASUU, UNAAB Chapter - (1992-94).
- 7) Special Marshal, Federal Road Safety Corps, {FRSC}
- 8) Knight, Order of the Knights of St. Mulumba, (KSM) Nigeria.

#### **xiv. Academic Awards and Distinctions**

- Federal Government Scholarship Award - 1975 - 1978
- University of Ibadan Postgraduate Scholarship Award - 1979 - 1983
- Listed in the Profiles of African Scientists by the African Academy of Sciences, Nairobi, Kenya. - 1990, 1991 and 1994
- Conferred “Member, Nigerian Society for Animal Production”, **MNSAP** - 1993
- Conferred “Member, Animal Science Association of Nigeria **MASAN** - 2000
- Listed in the Editions of Who’s Who in the World – 1998, 1999, 2000-2006
- Member, Nigerian Institute of Animal Science (**MNIAS**) (RAS 278) - 2010
- Certificate of Academic Excellence by The Institute of Administrative Management of Nigeria (IAMN), Lagos on the 31<sup>st</sup> of January, 2011. 2011
- Certificate of Honour and Distinction -
  - Certified and Distinguished Educator (CDE)
  - National Leadership Merit Award (NLMA) by The Institute of Administrative Management of Nigeria (IAMN), Lagos 2011
- President, Nigerian Society for Animal Production (NSAP) 2012-2016
- Fellow, Nigerian Society for Animal Production (**FNSAP**) - 2009
- Fellow, Agricultural Society of Nigeria (**FASN**) 2015
- Member, Board of Trustees, Agricultural Society of Nigeria (ASN) 2016
- Fellows of the African Scientific Institute (ASI) (**FASI**) 2021

#### **xvii. Membership of Academic and Professional bodies**

- (a) Nigerian Society for Animal Production [Life Member] (NSAP).
- (b) Agricultural Society of Nigeria [Life Member] (ASN).
- (c) Animal Science Association of Nigeria (ASAN).
- (d) Nigerian Institute of Animal Science (NIAS)
- (e) International Goat Association, (IGA) USA - Charter Member (Since 1982).
- (f) British Society of Animal Science (BSAS)
- (g) Centre for Grassroot Education, Healthcare and Empowerment (CenGEHE)
- (h) Nitrogen Fixing Tree Association (NFTA), Hawaii, USA.
- (i) Small Ruminant Research Network (SRNET).
- (j) African Feed Resources Network (AFRNET).
- (k) Alley Farming Network in Tropical Africa (AFNETA).
- (l) Pastoral Development Network (PDN), UK.

#### **xviii. Date of Delivery of Inaugural/University Lecture and Title**

1. On the 28<sup>th</sup> of February, 2007, I delivered University of Agriculture, Abeokuta (UNAAB)'s Inaugural Lecture Series No. 21 Titled: **Browsing Goats and Sheep: Reaping the Wisdom in their Foolishness**. ISBN: 978-078-795-X. 55 pp.

## **xix Major Scholarly publications or Breakthrough in Academics**

### **(a) Journals**

1. Akinsoyinu, A.O. and **Onwuka, C.F.I.** (1988). Mineral constituents of some browse plants used in ruminants feeding in Southern Nigeria. *Nigerian Journal of Animal Production*. 15: 56-62.
2. **Onwuka, C.F.I.** (1989). Evaluation of the digestibility of browse using *in sacco*, *in vitro* and *in vivo* techniques. *Bulletin on Animal Health and Production in Africa*. 37 (3): 291-296.
3. **Onwuka, C.F.I.** and Akinsoyinu, A.O. (1989). Effects of elemental sulphur levels on urea-nitrogen utilization by West African dwarf goats and sheep. *Tropical Agriculture (Trinidad)* 66 (2): 158 - 160.
4. **Onwuka, C.F.I.** and Akinsoyinu, A.O. (1989). Protein and energy requirements for maintenance and gain by West African dwarf goats fed cassava (*Manihot utilissima*) leaves with peels as supplement. *Small Ruminant Research (Elsevier)* 2 (4): 291-298.
5. **Onwuka, C.F.I.**; Akinsoyinu, A.O. and Tewe, O. O. (1989): Feed value of some Nigerian browse plants: Chemical composition and *in vitro* digestibility of leaves. *East African Agriculture and Forestry Journal* 54 (3): 157 - 163.
6. **Onwuka, C.F.I.** (1992). Hydrocyanic acid contents of tropical browses and their influence on performance of goats. *Food Chemistry. (Elsevier)* 45: 5 - 10.
7. **Onwuka, C.F.I.** (1992): Tannin and Saponin contents of some tropical browse species fed to goats. *Tropical Agriculture (Trinidad)*. 69 (2): 176 - 180.
8. **Onwuka, C.F.I.**; Akinsoyinu, A.O. and Tewe, O. O. (1992) Role of sulphur in cyanide detoxification in Ruminants. *Small Ruminant Research (Elsevier)* 8 (4): 277-284
9. **Onwuka, C.F.I.**; Adeliyi, G. O.; Biobaku, W. O. and Adu, I. F. (1992). *Leucaena leucocephala* leaves in rabbits diets. *Leucaena Research Report (Hawaii)* 13: 65 - 67.
10. **Onwuka, C. F. I.** (1994) Nitrates and Nitrites in ruminants' browse leaves. *Nigerian Journal of Animal Production*. 21 (1&2): 96-100.
11. Iposu, S. O.; **Onwuka, C.F.I.** and Eruvbetine, D. (1994). The relationships between selected egg quality traits and egg size. *Nigerian Journal of Animal Production*. 21 (1&2): 156-160.
12. Biobaku, W. O.; **Onwuka, C.F.I.** and Eruvbetine, D. (1994). Cassava flour as energy source for laying hens. *Journal of Agricultural Technology* 2 (2): 76-80.

13. **Onwuka, C.F.I.**; Egbe, D. W.; Umoh, B. I. and Okon, B. I. (1995). Milk Production potentials of Holstein-Friesian cattle in the derived savannah zone. *Nigerian Journal of Animal Production*. 22 (1): 85-88.
14. **Onwuka, C.F.I.** (1996). Plant Phytates and Oxalates and their effects on performance of West African dwarf goats. *Nigerian Journal of Animal Production*. 23 (1): 53 - 60.
15. **Onwuka, C.F.I.** and Olatunji, E.N. (1996). Substitutes for molasses and cement in urea-molasses blocks for ruminant animals. *Nigerian Journal of Animal Production*. 23 (2): 169 - 173.
16. **Onwuka, C.F.I.**; Adetiloye, P.O. and Afolami, C.A. (1997). Use of household wastes and crop residues in Small Ruminant Feeding. *Small Ruminant Research. (Elsevier)* 24: 233 - 237.
17. **Onwuka, C.F.I.** (1997). Efficient Poultry waste retrieval and its conversion to feed. *Discovery and Innovation*. 9 (3/4):150-155
18. Ogunwolere, Y. O. and **Onwuka, C. F. I.** (1997). Assessment of some qualities of commercial livestock feeds. *Nigerian Journal of Animal Production*. 24 (2): 137-142.
19. **Onwuka, C. F. I.** (1997). Effect of processing on mimosine contents of some leaves fed to livestock. *Archivos de Zootecnia (Spain)* 46 (174): 179 - 180.
20. Mafimidiwo, A. O.; Fanimu, A. O.; **Onwuka, C. F. I.** and Tewe, O. O. (1998). Performance and Serum metabolites of grower pigs fed GNC, extruded soyabean meal & cottonseed cake-based diets. *Nigerian Journal of Animal Production*. 25 (2): 152-156.
21. Abiola, S. S. and **Onwuka, C. F. I.** (1998). Reproductive performance of West African dwarf sheep and goats at village level in Ogun State, Nigeria. *Nigerian Journal of Animal Production*. 25 (2) : 79-82
22. Iposu, S. O., Adebayo, K., Eruvbetine, D. and **Onwuka, C.F.I.** (2000). Analysis of the relationship between the socio-economic characteristics of consumers and their preferences for egg quality types. *Nigerian Poultry Science Journal* 1: 12-22
23. Amao, O. A., Osinowo, O. A., **Onwuka, C.F.I.**, Abiola, S.S., and Dipeolu, M.A. (2003). Evaluation of Udder Traits as influenced by Bodyweight and Reproductive status of Red Sokoto Goats in a Guinea Savannah Environment. *Nigerian Agricultural Journal* 34: 131-137
24. O. A. Amao, O. A. Osinowo, **C.F.I. Onwuka**, S.S. Abiola and M.A. Dipeolu. (2003). Evaluation of Udder Traits in West African Dwarf goats. *Nigerian Journal of Animal Production*. 30 (2): 246-252
25. O.A. Amao, O.A. Osinowo, C.A.M. Lakpini, M.A. Dipeolu, **S.S. Abiola** and **C.F.I. Onwuka** (2003). Types and frequency of udder shapes and abnormalities in West African Dwarf and Red Sokoto goats. *Nigerian Journal of Animal Production*. 30 (2): 253-258

26. A.O. Oni, **C.F.I. Onwuka**, O. O. Oduguwa, O. S. Onifade, O. M. Arigbede, and J.E.N. Olatunji (2006). Utilization of citrus pulp-based diets and *Enterolobium cyclocarpum* foliage (Jacq. Griseb) by West African Dwarf Goats. *Journal of Animal and Veterinary Advances*. 5 (10): 814-818
27. J. E. N. Olatunji, **C.F.I. Onwuka**, D. Eruvbetine, O. O. Oduguwa and A. B. J. Aina (2006) Performance of West African Dwarf (WAD) sheep fed diets containing Lasalocid. *Journal of Animal and Veterinary Advances*. 5 (10): 810-813
28. Fafiolu, A.O.; Oduguwa, O. O.; Ikeobi, C. O. N. and **Onwuka, C.F.I.** (2006). Utilization of malted sorghum sprouts in the diet of Rearing Pullets and Laying hens. *Archivos de Zootecnia*. 55 (212): 361-371.
29. A.O. Oni, **C.F.I. Onwuka**, O. O. Oduguwa, O. S. Onifade, O. M. Arigbede, O. O. Oni and U. Y. Anele (2006). Nutrient intake and Digestibility by West African Dwarf Goats fed *Enterolobium cyclocarpum* foliage (Jacq. Griseb) basal diet and Citrus pulp-based diets. *Journal of Animal and Veterinary Advances*. 5 (10): 828-831
30. R. Y. Fajuke, **C. F. I. Onwuka**., A. B. J. Aina and O. O. Oduguwa. 2006. Effect of monensin supplementation on the performance of West African dwarf sheep fed *Gmelina arborea* leaves. *ASSET Series A* 6 (2): 245-254.
31. A.O. Oni, **C.F.I. Onwuka**, O. O. Oduguwa, O. S. Onifade and O. M. Arigbede. (2008). Utilization of citrus pulp-based diets and *Enterolobium cyclocarpum* foliage (JACQ. GRISEB) by West African Dwarf Goats. *Livestock Science*. 117 (2-3): 184-191. (UK)
32. **C.F.I. Onwuka** and H.E. Nelson (2008) Influence of Some Tropical Forages and Agro-Industrial by-Products on the Performance of New Zealand White Rabbits. *Nigeria Agricultural Journal*. 39 (1): 55-60
33. Ettu, R.O., **Onwuka, C.F.I.**, Arigbede, O.A. and Isah, O.A. (2009). Potentials of Processed Cocoa Seed Testa and Sorghum Malt Dust as Feed Supplement for Small Ruminants. *Journal of Educational Research (EDUCERE)* 5: 251 – 256.
34. E. A. Adeyeye, O.O. Oduguwa, F. A. Igbasan and **C.F.I. Onwuka** (2009). *In Vitro* comparison of Phytases from two microbial sources. *Journal of Agriculture and Environment*. 8 (1): 42-51
35. Adeyeye, E.A., Igbasan, F.A., Oduguwa, O.O. and **Onwuka, C.F.I.** (2009). Comparative effect of including Microbial Phytase in broiler diet on their performance and serum indices. *Journal of Researches in Agricultural Sciences* 2: 17-21 (Nigeria)
36. Aderinboye R.Y. and **Onwuka, C.F.I.** (2010). Influence of monensin on intake of some anti-nutritive components in diets fed to West African dwarf goats. *Nigerian Journal of Animal Production*. 37 (2) : 218-226

37. Ettu, R. O., **Onwuka, C. F. I.**, Arigbede, O. A. and Isah, O. A. (2010). Nutrient Intake of West African Dwarf (WAD) Sheep Fed Boiled Cocoa Seed Testa and Sorghum Malt Dust-Based Diets. *Journal of Sustainable Development* 7 (1): 88- 93.
38. Ettu, R.O. and **Onwuka, C.F.I.** (2010). Effect of Boiled and Pelleted Cocoa Seed Testa and Sorghum Malt Dust-Based Diets on Digestibility Coefficients of WAD Sheep. *Journal of Science and Information Technology (JOSIT)* 8 (1): 1 -10.
39. Ettu, R.O., **Onwuka, C.F.I.**, Arigbede, O.A. and Isah, O.A. (2010). Effects of Boiled Cocoa Seed Testa and Sorghum Malt Dust-Based Diets on Some Blood Parameters of WAD Sheep. *Nigerian Journal of Farm Management (FAMAN)*. 11 (2): 35 – 42.
40. Ettu, R.O., **Onwuka, C.F.I.**, Arigbede, O.A. and Isah, O.A. (2010). Nutrient intake of West African Dwarf sheep fed boiled cocoa seed testa and sorghum malt dust-based diets. *Journal of Sustainable Development*. 7 (1): 88-93
41. Fayemi, P. O., **Onwuka, C. F. I.**, Isah, O. A. Jegede, A. V., Arigbede, O. M. and Muchenje, V. (2011). Effects of mimosine and tannin toxicity on rabbits fed processed *Leucaena leucocephala* (Lam) De Wit. Leaves. *African Journal of Agricultural Research*. 6 (17): 4081 - 4085, Available online at <http://www.academicjournals.org/AJAR> ISSN 1991-637X ©2011. Academic Journals.
42. A. O. Oni, **C.F.I. Onwuka**, O. M. Arigbede ; U.Y. Anele; O. O. Oduguwa, O. S. Onifade, and Z.L. Tan. (2011). Chemical composition and nutritive value of four varieties of Cassava leaves grown in South-Western Nigeria. *Journal of Animal Physiology and Animal Nutrition. (Blackwell Verlag GmbH)* 95 : 583-590
43. Aderinboye, R. Y, **C. F. I. Onwuka.**, O. M. Arigbede., A. B. J. Aina, O. O. Oduguwa and A. A. Taiwo. (2011). Rumen degradation characteristics of two tropical forages supplemented with monensin in the rumen of N'dama Steer. *Nigerian Journal of Animal Production* 38 (2): 139 – 147.
44. Oni, A.O., Arigbede, O.M., Sowande, O.S., Anele, U.Y., Oni, O.O., **Onwuka, C.F.I.**, Onifade, O.S., Yusuf, K.O., Dele, P.A. and Aderinboye, R.Y. (2012). Haematological and serum biochemical parameters of West African dwarf goats fed dried cassava leaves based concentrate diets. *Tropical Animal Health and Production*. 44 (3): 483 -490. DOI: 10.1007/s11250-011-9923-0. Published by **Springer Netherlands** in association with Centre for Tropical Veterinary Medicine, University of Edinburgh, UK. Available online at <http://link.springer.com/journal/11250/44/3/page/1>
45. R. Y. Aderinboye, **C. F. I. Onwuka**, O. M. Arigbede, O. O. Oduguwa, A. B. J. Aina. (2012). Effect of dietary monensin inclusion on performance, nutrient utilisation, rumen volatile fatty acid concentration and blood status of West African dwarf bucks fed with basal diets of forages. *Tropical Animal Health and Production*. 44 (5): 1079 - 1087. DOI: 10.1007/s11250-011-0043-7.
46. E.O. Ahaotu, U.D.E. Ogbuokiri, A.U. Korie, B.U. Ekenyem, **C.F.I. Onwuka**, I.C. Okoli, P.O. Njoku, E.C. Ndubuisi, F.N. Madubuike. (2011). Effects of Graded Levels

of Pigeon Pea Meal on Growth Performance and Organ Characteristics of Finisher Broilers. *Animal Production Research Advances* 7(2): 125-129. ISSN: 0794-4721

47. Ettu, R.O., **Onwuka, C.F.I.**, Arigbede, O.A. and Isah, O.A. (2011). Performance of WAD sheep fed boiled Cocoa seed testa and sorghum Malt Dust-based diets. *African Journal of Livestock Extension*. 9: 19-23
48. Adedire, A.O.; O. O. Oduguwa, M.O. Edema, O. S. Onifade and **C.F.I. Onwuka** (2012). Performance and Nutrient utilization of Rabbits fed diets based on crop residues fermented with *Rhizopus oligosporus*. *Nig. Journal of Animal Prod.* 39 (1): 114 – 121
49. Yusuf, K.O., O.A. Isah, **C.F.I. Onwuka**, J.A. Olanite, A.O. Oni and R.Y. Aderinboye (2013). Effects of enzyme additive on nutrient intake, digestibility and rumen metabolites of yearling cattle fed grass-hay based diet. *Nigerian Journal of Animal Science* 15: 155-167.
50. Oni, A. O., Sowande, O. S., Oduguwa, B. O., Yusuf, K. O., Arigbede, O. M. and **Onwuka, C. F. I.** (2013). Haematological and serum biochemical parameters of West African Dwarf goats fed ensiled cassava leaves with or without molasses and caged layer waste. *Nigerian Journal of Animal Production*. 40 (1): 134 - 142.
51. Yusuf, K.O., O.A. Isah, O.M. Arigbede, A.O. Oni and **C.F.I. Onwuka**. (2013). Chemical composition, secondary metabolites, *in vitro* gas production characteristics and acceptability study of some forage for ruminant feeding in South-Western Nigeria. *Nigerian Journal of Animal Production* 40 (1): 179-190.
52. Oni, A. O., Oduguwa, B. O., Sowande, O. S., Omemu, A. M., Atayese, A. O., Dele, P. A., Aderinboye, R. Y., Arigbede, O. M. and **Onwuka, C. F. I.** (2013). Effects of molasses and storage period on the chemical, microbial and fermentation characteristics of guinea grass - cassava leaves silage. *Bulletin of Animal Health and Production in Africa*. 61: 587 – 596. Published by African Union Inter-African Bureau for Animal Resources, **Kenya**. Available online <http://www.ajol.info/index.php/bahpa>
53. Omoniyi, L.A, Isah, O.A, Adewumi, O.O.O, Arigbede, O.M and **Onwuka, C.F.I.**, (2013). Physico-chemical properties and storability of urea molasses multi-Nutrient feed-block (UMMB) as dry season supplement for ruminants. (ARCN). *Journal of Applied Agricultural Research* 5(1): 113-121.
54. Omoniyi, Lukman; Jewell, Kelsea; Isah, Olubukola; Neumann, Anthony; **Onwuka, Chryss**; Onagbesan, Okanlawon; Suen, Garret (2014). An analysis of the ruminal bacterial microbiota in West African Dwarf sheep fed grass and tree-based diets (JAM-2013-2035). *Journal of Applied Microbiology*. 116 (5): 1094-1105
55. Abatan, O., Oni, A. O., Adebayo, K., Iposu, S., Sowande, O. S., and **Onwuka, C. F. I.** (2014). Effects of supplementing cassava peel with cassava leaves and cowpea haulms on performance, intake, digestibility and nitrogen utilization of West African Dwarf goats. *Tropical Animal Health and Production*. 46 (7):

56. Ettu, R. O. **Onwuka, C. F. I.** (2014). Mineral and fibre intake of West African dwarf sheep fed boiled cocoa seed testa and sorghum malt dust in cassava root meal based diets. *Nigerian Journal of Animal Production*, 41 (1): 147 - 154.
57. Oni, A.O., Sowande, O.S., Oni, O.O., Aderinboye, R.Y., Dele, P.A., Ojo, V.O.A., Arigbede, O.M. and **Onwuka, C.F.I.** (2014). Effects of different additives on the fermentation quality of cassava leaf silage and ruminal fluid parameters of West African dwarf goats. *Archivos de Zootecnia*, 63 (243): 449-459. Available online at: <http://www.uco.es/organiza/servicios/publica/az/az.htm> SPAIN.
58. Ettu, R. O. and **Onwuka, C.F.I.** (2015). Nitrogen utilization by male WAD Sheep fed graded levels of boiled Cocoa Seed Testa (CST) and Sorghum Malt Dust (SMD) based diets. *Nigerian Journal of Animal Production* 42 (1): 157-161.
59. Adelusi, O. O., **Onwuka, C. F. I.**, Anifowose, I. O., Ojo, V. O. A. and Yusuf, K. O., (2015). Effects of mixtures of coconut and palm kernel oil on the rumen fermentation parameters and microbial population of cattle. *Livestock Research for Rural Development*. 27, Article 136. <http://www.lrrd.org/lrrd27/7/adel27136.htm>
60. Adelusi O. O., O. A. Isah, **C. F. I. Onwuka**, A.O. Yusuf, V. O. A. Ojo and Aderinboye, R. Y., (2016). Performance, digestibility and nitrogen balance of West African Dwarf goats fed *Azadirachta indica*, *Newbouldia laevis* and *Spondias mombin* leaves. *Nigerian Journal of Animal Science*. 18 (2), 507-517
61. Yusuf, K. O., E. Otamere, L.A. Omoniyi and **C.F.I. Onwuka**. (2016). Performance characteristics and rumen microbial population of West African dwarf sheep fed enzyme supplemented diets. *Journal of Agricultural Science and Environment*, 16 (1): 31 – 39.
62. Adelusi, O. O., Isah, O. A., **Onwuka, C. F. I.**, Afolabi, R. O., Aderinboye, R. Y. and Idowu, O. J., (2016). Effect of Tree Leaves on Rumen Fermentation, Microbial Count and Blood Urea Nitrogen of West African Dwarf Goats. *Malaysian Journal of Animal Science*, 19 (2): 19 - 30.
63. Adekanbi, A. O., **Onwuka, C. F. I.**, Oni, A. O., Ojo, V. O. A., Ajayi, F. T., Popoola, M. A. 2017. Performance evaluation and haematological biochemical parameters of West African dwarf goats fed pineapple waste (*Ananas comosus*) with or without yeast (*Saccharomyces cerevisiae*) supplementation. *Nig. J. Anim. Prod.*, 44(3): 342 – 353
64. Yusuf, K. O., Ajeigbe, O. M., Oyebo, A. T., Aderinboye, R. Y., Adelusi, O.O. and **Onwuka C. F. I.** (2017). Nutrients and Anti-Nutrients Content of Some Crop By-Products and Residues for Ruminant Feeding in Nigeria. *Journal of Animal Production Research* 29(1): ISSN 0189-0514.
65. Oni, A.O., Yusuf A. O., Oni, O.O., Adelusi, O.O. Areegbe, A.O., Sowande, O.S. and **Onwuka, C.F.I.** 2017. The impact of extraction methods on chemical composition and

phytochemical constituents of common browse plants and selected tree species. Nigerian J. Anim. Sci. (1):85 – 100

66. Adelusi, O. O., Akinbode, R. M., Adebayo, K. O., Stephen, K. M., Oluwasegun, A. S. and **Onwuka, C. F. I.** (2018) Performance, rumen characteristics and blood profile of West African Dwarf goats fed varying levels of yeast (*Saccharomyces cerevisiae*). *Nigerian Journal of Animal Production* 45 (5): 143-151.
67. Adebayo, K.O., Akinbode, R.M., Ojo, V.O.A., Aderinboye, R.Y. and **Onwuka C.F.I.** 2019. Effect of different processing methods on chemical composition and *in vitro* gas production of some browse plants for ruminant feeding. *Nigerian Journal of Animal Science*, 21 (2): 165-174.
68. Aderinboye R Y, Salami T A, Adelusi O O, Adebayo K O, Akinbode R M and **Onwuka C F I.** 2020. Effect of cinnamon powder on methane emission and degradation of maize stover-based substrate in an *in vitro* medium. *Livestock Research for Rural Development*. Volume 32, Article #90. Retrieved June 3, 2020, from <http://www.lrrd.org/lrrd32/6/aderi32090.html>
69. F. A. Okeniyi, S.O. Olawoye, R. A. Animashahun, O.O. Alabi, A. J. Shoyombo, M.B. Falana, A. B. J Aina, **C. F. I. Onwuka** and O. S Sowande (2020). Mineral balance, nutrient intake and digestibility of West African dwarf (WAD) goats fed urea-mixed milled maize stover diets. *ADAN J. Agric.* 2020, 1 (1): 149 - 159
70. Victoria A. Uyanga, Okanlawon M. Onagbesan, **C. F. I. Onwuka**, Babajide Emmanuel and Hai Lin (2021). Coronavirus Disease 2019 (COVID-19) and Poultry Production: Emerging issues in African Countries. TWPS #1874848 VOL 00, ISS 00 World's Poultry Science Journal <https://doi.org/10.1080/00439339.2021.1874848>
71. Adebayo ONI, Azeez YUSUF, Bobby-Joe OGADU, Oludotun ADELUSI, Olusiji SOWANDE, **Chryss Friday ONWUKA** (2021). *In vitro* Evaluation of Siam Weed (*Chromolaena odorata*) Additive as a Potential Rumen Modifier in West African Dwarf Bucks. *Agric. Conspec. Sci.* 86 (2): 165-172.

#### **(b) PUBLICATIONS IN PEER REFERRED / EDITED PROCEEDINGS**

72. **Onwuka, C.F.I.** (1986) - *Gliricidia sepium* as dry season feed for goat production in Nigeria. In: Potentials of forage legumes in farming systems of sub-Saharan Africa. (Eds. Haque, I., Jutzi, S. & Neate, P.J.H.) ILCA. *Addis Ababa, Ethiopia*, pp. 533- 539.
73. Ekpenyong, T.E. & **Onwuka, C.F.I.** (1987) - Survey of small ruminant population and farming systems in Cross River State. In: Browse use and small ruminant production in South East Nigeria (Eds. Reynolds, L. and Atta-Krah, A.N.). ILCA, Addis-Ababa. May 1987, pp. 13 - 22.



74. **Onwuka, C.F.I.** (1988) - Goat and Sheep production in Akwa-Ibom and Cross River States of Nigeria. Nigerian Soc. for Animal Production, (Eds. A.O. Akinsoyinu and O.A. Adebambo), April 20-24. pp. 120 - 128.
75. Ifut, O.J. and **Onwuka, C.F.I.** (1991) - Uyo Urban Livestock Survey. In: Nigerian Livestock Survey. FLD/PCS/National Livestock Project Division/Resources Inv. Management, London.
76. **Onwuka, C.F.I.**; Taiwo, B.B.A. and Adu, I.F. (1992) - Browse species and supplements utilized for small ruminant feeding in Ogun State of Nigeria. African Feed, Resources Network Workshop, Gaborone, Botswana. (eds. J.E.S. Stares, A.N. Said and K.A. Katejile). March, 1991. ILCA, *Addis Ababa*, pp. 173-180.
77. **Onwuka, C.F.I.**; Ifut, O.J.; Umoh, B.I. and Umanna, P. F. (1992). Alley farming as an intervention in ruminant feed supply gap in Southern Nigeria. Proc. International Conf. on Alley Farming. IITA/AFNETA/ICRAF/ILRI. In *Alley Farming Research and Dev.* (B.T. Kang, A. O. Osiname and A. Larbi, eds.) *IITA Nig.* Pp. 278 - 281.
78. **Onwuka, C.F.I.** and Adu, I.F. (1993) - Potentials for lost crops in livestock production in Nigeria. In: *Lost Crops of Nigeria: Implications for food security* (Eds. J.A. Okojie and D.U.U. Okali). *Univ. of Agric., Abeokuta. Nig.* pp. 330 - 339.
79. Davies, A. T. and **Onwuka, C.F.I.** (1996). Conservation of forage for dry season feeding in the humid zone of Nigeria. African Feed Resources Network Proceedings of the 2nd African Feed Resources Network Workshop AFRNET, (Eds. J. Ndikumana and P. N. de Leeuw). *Nairobi, Kenya.* Pp. 93 - 96.
80. Oduguwa, O. O.; Oduguwa, B. O.; **Onwuka, C. F. I.** and Olajobi, H. O. (1998). Anti-nutritional factors in foliage of some leguminous trees and shrubs. Proceedings of NSAP Conference, In: *Animal Agric. in West Africa: the Sustainability question.* (O. O. Oduguwa; A. O. Fanimo and O. A. Osinowo, Eds.) *Nig.* Pp. 339 - 340.
81. Iposu, S.O.; Adu, I. F.; **Onwuka, C. F. I.** and Aina, A. B. J. (1998). The Influence of physiological status on the nutritional status of village goats. In: Proceedings of NSAP Conference on *Animal Agric. in W. Africa: the sustainability question.* (O. O. Oduguwa; A. O. Fanimo and O. A. Osinowo, Eds.). *Nig.* Pp. 367 - 368.
82. Onabanjo, O. O. and **C. F. I. Onwuka** (1998). *Gmelina arborea* leaves and some supplements as dry season feed for West African dwarf (*Fouta djallon*) goats. In: Proceedings of NSAP Conference on *Animal Agric. in West Africa: the sustainability question.* (O.O. Oduguwa; A.O. Fanimo and O.A. Osinowo, Eds.). *Nig.* Pp. 369-370.
83. Adu, I. F. and **Onwuka, C.F.I.** ( 2001) Livestock Production Systems in Nigeria and Environmental conservation. In: *Biodiversity of the Rainforest Ecosystem in Nigeria.* (Eds. A.O. Adeola, J. A. Okojie and L. O. Ojo). Proceedings of a Colloquium organized/Published by FEPA-UNAAB Linkage Centre for Forest, Conservation and Biodiversity. 8-10 December 1998. *Nig.* Pp. 240-246.

84. Fafiolu, A.O.; Oduguwa, O. O.; Ikeobi, C. O. N.; **Onwuka, C.F.I.** and M.A. Adebule (2004). Performance and egg quality assessment of laying hens fed malted sorghum sprouts – based diets. Proceedings of Annual Conference of Animal Science Assoc. of Nig. (ASAN) 13-16 Sept. 2004. Ebonyi State University, (EBSU), Abakaliki. Nigeria. (Eds. Ogunji *et al.*). *Nig.* Pp. 33-35.
85. Fafiolu, A.O.; Oduguwa, O. O.; Ikeobi, C. O. N. and **Onwuka, C.F.I.** (2005). The effect of feeding malted sorghum sprout on laying characteristics of domestic hens. Proc. 15<sup>th</sup> European Symposium on Poultry Nutrition. 25-29 September 2005. World Poultry Science Association.(Eds. Hungarian Poultry Science Association. *Balatonfüred, Hungary.* Pp. 606-608.
86. Aderinboye, R.Y. and **Onwuka, C.F.I.** (2008) Effect of monensin inclusion on nutrient degradation on *Gmelina arborea* foliage. Proceedings of Annual Conference of Agric. Society of Nig. (ASN) 19-23 Oct. 2008. Ebonyi State University, (EBSU), Abakaliki. *Nigeria.* Pp. 612-617
87. A. O. Oni, O. M. Arigbede, O.O. Oni, O. A. Adelusi, K. O. Yusuf and **C. F. I Onwuka,** (2008). Chemical Composition and dry matter degradation characteristics of some agro-industrial by products in the humid tropics. Proceedings of 13th Annual Conference of the Animal Science Association of Nigeria (ASAN). 544-557
88. Oni, A.O.; Arigbede, O.M.; Abegunde T.O. and **Onwuka, C.F.I.** (2009). Chemical composition and *in vitro* gas production of four varieties of cassava leaves grown in South western Nigeria. Proc. 34<sup>th</sup> Annual Conference of the Nigerian Society for Animal Production. (NSAP). 15-18 March 2009. University of Uyo. Uyo. Nigeria.(Eds. B.I. Umoh; A.B.I. Udedibie; I.P. Solomon; O.L. Obasi; B.I. Okon & E.J. Udoh). *Nig.* Pp. 296-299
89. Yusuf, K.O.; Isah, O.A., Oni, A.O.; Arigbede, O.M.; Adeliyi O.O. and **Onwuka, C.F.I.** (2009). Performance and nutrient digestibility of West African Dwarf (WAD) goats fed diets containing yam peel meal. Proc. 34<sup>th</sup> Annual Conference of the Nigerian Society for Animal Production. (NSAP). 15-18 March 2009. University of Uyo. Uyo. Nigeria. (Eds. B.I. Umoh; A.B.I. Udedibie; I.P. Solomon; O.L. Obasi; B.I. Okon & E.J. Udoh). *Nig.* Pp. 519-521
90. Aderinboye, R.Y. and **Onwuka, C.F.I.** (2010). Regulatory effect of monensin on feed intake and weight gain in WAD sheep fed high forage diets. Proc. 35<sup>th</sup> Annual Conference of the Nigerian Society for Animal Production. (NSAP). 14-17 March 2010. University of Ibadan, Ibadan. Nigeria. (Eds. O.J. Babayemi; O.A. Abu and E.O. Ewuola. *Nig.* Pp. 524 – 526.
91. Okeniyi, F. A., Aina, A. B. J., **Onwuka, C. F. I.** and Sowande, O. S. (2010). Nutrient digestibility of urea-maize stover based diets as dry season feed in West African dwarf goats. *Proceedings of the 14<sup>th</sup> annual conference of Animal Science Association of Nigeria (ASAN)*, O. J. Ifut, U. A. Inyang, I. A. Akpan and I. E. Ebenso (Eds.), Pp. 663 - 665. Published by Animal Science Association of Nigeria.

92. Oni, A.O.; Arigbede, O.M.; Sowande. O.S.; Oni, O.O.; Anele, U.Y.; Areegbe, A.O.; Aderinboye, R.Y.; Yusuf, K.O. and **Onwuka, C.F.I.** (2012). Effect of addition of molasses and caged layers waste on the nutrient profile of fermented cassava leaves. Proc. 17<sup>th</sup> Annual Conference of Animal Science Association of Nigeria / Abuja Joint Annual Meeting (JAM). 9<sup>th</sup> to 13<sup>th</sup> September, 2012. (Eds. Akpa, GA; Dairo, FAS; Bawa, GS; Solomon, IP; Amaefule, KU; Odunsi, AA and Ladokun, AO) Pp. 615 -618.
93. Aina, A.B.J; Odunlami, J.A.; Sowande, O.S. and **Onwuka, C.F.I.** (2012). Performance and growth pattern of WAD lambs and kids on milk supplementation from birth to weaning. Proc. 17<sup>th</sup> Annual Conference of Animal Science Association of Nigeria / Abuja J A M . 9<sup>th</sup> to 13<sup>th</sup> September, 2012. (Eds. Akpa, GA; Dairo, FAS; Bawa, GS; Solomon, IP; Amaefule, KU; Odunsi, AA and Ladokun, AO) Pp. 626 -629.
94. Bolarin, O., **C.F.I. Onwuka**, O.M. Arigbede, J.A. Olanite and A.O. Oni (2013). Effects of dried *Moringa oleifera* leaf meal as substitute for soybean meal on performance and carcass yield of weaner rabbits. In: J.A. Adediran *et al.* (eds.), Revamping Nigerian Agriculture through transformation agenda: The way forward, Proceedings of the 47<sup>th</sup> Annual Conference of the Agricultural Society of Nigeria, 4<sup>th</sup> - 8<sup>th</sup> November, Ibadan, Nigeria. Pp. 1046-1050
95. Adelusi, O. O., Isah, O. A., **Onwuka, C. F. I.**, Idowu, O. J., Ojo, V. O. A. and Aderinboye, R. Y., (2014). Performance, apparent digestibility and nitrogen balance of West African dwarf goats fed ground tree leaves as additive. Book of Abstracts of the 3<sup>rd</sup> ASAN-NIAS Joint Annual Meeting, September 7-11, 2014, University of Ibadan. 40
96. Yusuf, K.O., O.A. Isah, J.A. Olanite, A.O. Oni, L.A. Omoniyi and **C.F.I. Onwuka.** (2014). Effect of Enzyme additive on *in vitro* parameters of fresh grass and grass hay-based diets for ruminants' feeding. Proc. 39<sup>th</sup> Annual Conference of the Nigerian Society for Animal Production. (NSAP). Babcock University, Ilishan Remo. 16-19 March 2014. (Eds. A-R. Abdullah, G.O. Tayo, A.O. Okubanjo and A.O. Akinsoyinu) Pages 168-173.
97. **C.F.I. Onwuka** (2014). Animal Production and Food sufficiency in Nigeria. An invited Keynote paper presented at the occasion of the Maiden Alumni Celebration of Animal Science Department, University of Calabar at the Centre of Excellence Auditorium, University of Calabar, Calabar, on the 12<sup>th</sup> of April, 2014. Pages 22-30.
98. Yusuf, K.O., Sotubo, M.T., Adelusi, O.O., Ojo, V.O.A., and **C.F.I. Onwuka** (2014). Effect of exogenous enzyme additive on nutrient digestibility and nitrogen utilization by West African dwarf sheep fed total mixed ration. Book of Abstract, 3<sup>rd</sup> ASAN-NIAS Joint Annual Meeting, International Conference Centre, University of Ibadan, Nigeria September 7-11, 2014, P. 44.
99. Adelusi, O. O., **C.F.I. Onwuka**, Oni, A. O., Arigbede, O. M. and Dele, P. A., (2015). Gas production, methane and fermentation kinetics of *Panicum maximum* incubated with coconut oil. 40<sup>th</sup> Annual Conference of Nigerian Society for Animal Production (NSAP), 15<sup>th</sup> – 18<sup>th</sup> March, 2015, National Animal Production Research Institute, Zaria, Nigeria.
100. O O Adelusi, **C F I Onwuka**, O J Idowu, R Y Aderinboye, V O A Ojo. (2015). *In vitro* gas production and methane reduction in *Panicum maximum* incubated with palm

kernel oil. In: S Athanasiadou *et al.* (Eds.). Advances in Animal Biosciences. Proceedings of the British Society of Animal Science (BSAS), Science with Impact held in Chester, UK, 14-15 April 2015. 206

101. Oludotun O. Adelusi, Adebayo O. Oni, Oluwaseun J. Idowu, Victoria O. Ojo, and **Christopher F. Onwuka**, (2015). Protozoa reduction in the rumen of grazing cattle fed mixtures of coconut and palm kernel oils. *J. Anim. Sci.* Vol. 93, Suppl. s3. 867
102. Oni, A.O., Abatan, O.M., Adebayo, K., Iposu, Sowande, O.S., **Onwuka, C.F.I.** and Oni, O.O. (2015): Effects of supplementing cassava peels with cassava leaves and cowpea haulms on rumen environment parameters of West African dwarf goats. Proceedings of the Annual Meeting of the British Society for Animal Science (BSAS), held at the University of Chester, Chester. UK. 14-15 April, 2015. 208
103. Oni, A.O., Abatan, O.M., Adebayo, K., Iposu, S.O., Sowande, O.S. and **C.F.I. Onwuka**. (2014). Performance and nitrogen retention of West African dwarf goats fed cassava peels, leaves and cowpea haulms. Proceedings of the 47<sup>th</sup> Congress of the South African Society of Animal Science held at the University of Pretoria, South Africa, July 6 – 8, 2014. Pg.185.
104. Yusuf, K.O., Akinyosoye, E.A., Ojo, V.O.A, Aderinboye, R.Y., Isah, O.A. and **Onwuka, C.F.I.** 2015. Effect of enzyme additive on *in vitro* gas production and dry matter degradability of a total mixed ration. Proceedings of the annual conference of the British Society of Animal Science (BSAS) in association with AVTRW, CFER and Eblex, held in Chester UK 14-15 April 2015. P. 103.
105. O O Adeleye, Y Sheku, A B J Aina, J Olanite, O G Sodipe, O O Adewumi, **C F I Onwuka**, A O Oni, O S Sowande (2018). Growth performance and *Eimeria* count of West African dwarf (WAD) goat does fed algal biomass supplemented diets. In: Advances in Animal Biosciences - Innovation to compete in the Global Livestock Industry. Proceedings of the British Society of Animal Science (BSAS). APRIL 2018 Volume 9 Part 1 Page 222. Cambridge University Press. ISSN 2040-4700
106. **Onwuka, C. F. I.**, Oni, A. O., Adelusi, O. O., Aderinboye, R.Y., Adebayo, K. O., Adelakun-Abati, A., and Adekoya, O. D. (2021). Performance and rumen fermentation of West African dwarf goats raised on *Panicum- Brachiaria* pasture supplemented with cassava-based concentrate diets. Organised by FAO / IAEA; International Symposium on Sustainable Animal Production and Health: Current Status and Way Forward held in Vienna Austria from 28 June – 2 July 2021. BOOK OF SYNOPSES Pp. 271 -273

**(c) MONOGRAPHS / BOOKS**

107. **Onwuka, C.F.I.**; Ojo, L. O. and Okojie, J. A. (eds.) (1993). Our Lost Crops. Lost Crops Series 1. 58 pp. Published by the University of Agriculture, Abeokuta. Nigeria.

108. **Onwuka C. F. I.** (1998) Title Index - Published titles in the *Nigerian Journal of Animal Production*, 1974-1998, Nigerian Society for Animal Production (NSAP) 58pp.
109. Uzochukwu, S. V. A., **C.F.I. Onwuka** and Idowu, M. I. (Editors) (1998). Proceedings of the 22<sup>nd</sup> Annual Conference of the Nigerian Institute of Food Science and Technology (NIFST). Volume 1 (Technical papers).
110. Adu, I. F. and **Onwuka C.F.I.** (2005). Utilization of Cassava (*Manihot sp.*) as Feed Resource for Small Ruminants in Nigeria. Contract No. 4442. International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria. 23 pp.
111. **Onwuka, C.F.I.** (2007). Browsing Goats and Sheep: The Wisdom in their Foolishness. UNAAB Inaugural Lecture Series No. 21. Presented at the University of Agriculture, Abeokuta on the 28<sup>th</sup> February, 2007. ISBN: 978-078-795-X. 55 pp.
112. **Onwuka, C.F.I.** (2013). Animal Breeding and Feeding in Nigeria's Agricultural Transformation. A Contribution by President of the Nigerian Society for Animal Production (NSAP) to the Book on Occasional Publications on Professor C.C. Nwosu @ 75 at the University of Nigeria, Nsukka presented on the 1<sup>st</sup> of June, 2013. (Editors: Omeje, S.S.I. *et al.*, Chapter 2. Pp. 74-95.

**(d) INVITED CONFERENCE / WORKSHOP PAPERS**

113. **Onwuka, C.F.I.** (1988) - Range management and improvement in Nigeria. Invited Paper Presented at a symposium during the Science week of the School of Arts and Science, Uyo. 8pp.
114. Adu, I.F. and **Onwuka, C.F.I.** (1991) - Problems and prospects of commercialization of sheep and goats in Ogun State. Invited paper presented at the Training Workshop on Effective Management of Agricultural Enterprises at the Local Government Level in Ogun State. July 29-31. 11pp.
115. **Onwuka, C.F.I.** (1992). Philosophy of the B. Agric. Programme. Presented to the Nigerian Association of Agricultural Students, University of Agriculture, Abeokuta. 19th February, 1992. 6pp.
116. Abiola, S.S. and **Onwuka, C.F.I.** (1993). Low Cost Poultry housing using local materials. Presented at the Training Workshop on "Stimulating profitable Small Scale Poultry Production in Ogun State". 29-31 December, 1993. 14pp.
117. **Onwuka, C.F.I.** (1993). Profitability of Livestock farming enterprises. Presented at the seminar on "Agricultural Co-operatives for Rural Development" Conference Hall, Federal Secretariat, Abeokuta. 1-2 November, 1993. 15pp.
118. **Onwuka, C.F.I.** (1993). Management of Poultry enterprises for profit maximization. Presented at the Training Workshop on "Stimulating Profitable Small Scale Poultry Production in Ogun State." 29-31 December, 1993. 16pp.

119. **Onwuka, C.F.I.** (1994). Fate of Animal Production in the 21st Century. Presented at the Animal Production Students' Week, Ogun State University, Ago-Iwoye. 17th March, 1994. 9pp.
120. **Onwuka, C.F.I.** (1995). Alternative feed resources for ruminant Animals. Presented at the Workshop on Alternative feed resources, mounted for Lagos State Ministry of Agric. Cooperatives and Rural Development Staff, Lagos. 15pp.
121. **Onwuka, C. F. I.** (1997) Feeds and Feeding of Ruminants for increased productivity. Paper presented at the Monthly technology Review Meeting (MTRM) of Ogun State Agric. Dev. Programme (OGADEP) on 20th May, 1997. 20pp.
122. **Onwuka, C. F. I.** (1997) Supplementary feed for Small Ruminants. Presented as a Research & Development Centre's Seminar Paper on 16th October, 1997. 28pp.
123. **Onwuka, C. F. I.** (1998) Managerial vision in the next Millennium: The issues in human resources training and development. Presented at the training forum for Companies' Chief Executives organized by the Industrial Training Fund (ITF) at Gateway Hotels, Ota. 30th June, 1998
124. **C.F.I. Onwuka,** (2008). Conflict Management in Married Life. A Seminar Paper Presented at the instance of the Saints Peter and Paul Catholic Cathedral Abeokuta's Religious Education Committee on April 5, 2008. 10 pp.
125. **Onwuka, C. F. I.** (2010). Higher Education and Sustainable Development in Africa. Keynote Address Delivered on behalf of the Vice-Chancellor, University of Agriculture, Abeokuta, Nigeria, Professor O. O. Balogun, on the Occasion of His Conferment with the Kwame Nkrumah Leadership Award, at the Annual Conference of All-Africa Students Union, held at the Kofi Anan International Peace Keeping Training Centre, Teshi, Accra, Ghana, May 1, 2010. 10pp.
126. **Onwuka, C.F.I.** (2010). Pragmatic Style of Leadership in the 21<sup>st</sup> Century. A Paper presented at the Induction Training Workshop for Newly Elected Student Union Executive of UNAAB Nigeria. 26<sup>th</sup> May, 2010. 4pp.
127. **Onwuka, C. F. I.** (2011) Nigeria, A Great Giant of Africa: Whither Her Educational Development. A Keynote Paper presented at the 32nd Annual Conference, Mandatory Professional Educational Development and Induction Ceremony of the Institute of Administrative Management of Nigeria, at Lagos. 31st January, 2011. 10pp.
128. **Onwuka, C. F. I.** (2011) Managing Students to Ensure Stability and Peace on Our University Campuses: The Roles of Deans of Student Affairs. Keynote Address Presented at the Conference of the Committee of Deans of Student Affairs in Nigerian Universities (CODESANU) at the Conference Centre, University of Ibadan, Ibadan. Nigeria. 28 – 30 March, 2011. 9pp.
129. **Onwuka, C.F.I.** (2011). Intricacies of Managing Educational Institutions in Nigeria. Paper presented at the 15th Annual IEASA Conference on "The Impact of

Internationalisation on the Quality of Higher Education'. Hosted by Durban University of Technology, Durban, South Africa. 30th August – 3rd September 2011. 16pp

130. **Chryss F.I. Onwuka** (2013). Professors as Leaders and Mentors. Being the text of an Invited paper presented at the Retreat for Professors and Readers of the Federal University of Agriculture, Abeokuta (FUNAAB) on 4<sup>th</sup> April, 2013 at the International Scholars Resource Centre, FUNAAB. 13 pages.
131. **C.F.I. Onwuka** (2014) Institutional – Industrial Linkages: A Panacea to Acquisition of Relevant Production Skills and Quality Assurance in SIWES Supervision. A Keynote Address Presented at The Workshop on Step Down Capacity- Building Training for FUNAAB Departmental SIWES Coordinators and College Representatives On: “Work-Based Learning, Job Analysis and Career Placement” on Monday, 7<sup>th</sup> JULY, 2014. At The International Scholars and Resource Centre (ISRC), Federal University of Agriculture, Abeokuta. Nigeria. 10 pp.
132. **Chryss F. I. Onwuka** (2015). Agriculture, Survival and Development (*Man Must Wack*). Presented as Invited 2015 Birthday Lecture in Honour of His Excellency, SIR Chief Dr. Gabriel Osawaru Igbinedion (CON, CFR, LLD. D.LITT., GCKB), *Esama of Benin Kingdom* at 82 years at Igbinedion University, Okada, Edo State. 20 pp.
133. **Chryss F.I. Onwuka** (2016). Academic Ethics – Rules and Regulations. Paper presented at the Capacity Building Workshop for Heads of Departments, Federal University of Agriculture, Abeokuta. Nigeria on 9<sup>th</sup> of May, 2016 at Senate Chambers, Federal University of Agriculture, Abeokuta. Nigeria. 13 pp.
134. **Onwuka, Chryss F. I.** (2016). Team Building and Development of Performance Improvement Plans (PIP) For Effective SIWES Supervision, being an Invited paper at the Step Down Capacity-Building Training for Departmental SIWES Coordinators and College Representatives on “Building Workplace Professional Values and Competencies for Students and Supervisors” Held on 23<sup>rd</sup> and 24<sup>th</sup> February, 2016 at the International Scholars and Resource Centre (ISRC), FUNAAB. 12 pp.
135. **Onwuka C. F. I.** (2017). Agriculture, Panacea for Sufficiency: Journalism Perspective. An invited paper presented on 14<sup>th</sup> July, 2017 at the 2017 Press Week of the Nigeria Union of Journalists (NUJ), Federated Chapel, Ogun State. Nigeria. 18 pp.
136. TETFund Workshop on Train the Trainers on Research Project Management and Writing Skills Capacity Building at Radisson Blu Hotel, Dubai, United Arab Emirates. Organised by the Centre of Excellence in Emerging Technologies (CEET), Central State University, Wilberforce, Ohio. USA from 4 – 8 January, 2021

**(xx). CONFERENCES/WORKSHOPS/SEMINARS ATTENDED FROM 1990 - TO DATE**

- i. Training Workshop on Alley Farming. Organised by the Nigerian National Alley Farming Network. University of Ibadan, Ibadan. July, 1990.
- ii. 16th Annual Conference of the Nigerian Society for Animal Production, Usmanu DanFodio University, Sokoto. March, 1991.
- iii. First Biennial Workshop of the African Feed Resources Network. (AFRNET) Gaborone Sun Hotel, Gaborone, Botswana. March, 1991.
- iv. Training Workshop on Effective Management of Agricultural Enterprises at the Local Government Level in Ogun State, Abeokuta. July, 1991.
- v. 17th Annual Conference of the Nigerian Society for Animal Production, Sheraton Hotel & Towers, Abuja. March, 1992.
- vi. Seminar on Lost Crops of Nigeria. Ogun Osun River Basin Development Authority, Abeokuta. May, 1992.
- vii. International Conference on Alley Farming, Albrecht Hall, International Institute of Tropical Agriculture, (IITA) Ibadan. September, 1992.
- viii. 18th Annual Conference of the Nigerian Society for Animal Production. Fed. Univ. Technology, Owerri. March, 1993.
- ix. Second Biennial Workshop of the African Feed Resources Network (AFRNET), Harare, Zimbabwe, December, 1993.
- x. Seminar on Agricultural Cooperatives for Rural Development, Abeokuta 1-2 Nov, 1993.
- xi. Training Workshop on stimulating profitable Small Scale Poultry Production in Ogun State 29-31 December, 1993.
- xii. 19th Annual Conference of the Nigerian Society for Animal Production. University of Benin, Benin-City. March, 1994.
- xiii. 20th Annual Conference of the Nig. Society for Animal Production. Federal University of Technology, Minna. March, 1995.
- xiv. 21st Annual Conference of the Nigerian Society for Animal Production, University of Uyo, Uyo. 24-28 March, 1996.
- xv. 4th Biennial Conference of the Small Ruminant Research Network Addis Ababa, Ethiopia. 6-14 Dec., 1996.
- xvi. 22<sup>nd</sup> Annual Conf. of the Nigeria Society for Animal Prod. ATBU Bauchi . March, 1997. Advanced Course for Training Personnel. ITF organised. Jos. 25 - 29 August, 1997.
- xvii. 23<sup>rd</sup> Annual Conference of the Nigerian Society for Animal Production. University of Agriculture, Abeokuta. (UNAAB) Silver Jubilee Celebration. March, 1998.
- xviii. 22<sup>nd</sup> Annual Conference of the Nigerian Institute of Food Science and Technology (NIFST). University of Agriculture, Abeokuta. (UNAAB) 1998
- xix. Colloquium organized/Published by FEPA-UNAAB Linkage Centre for Forest, Conservation and Biodiversity. 8-10 December 1998.
- xx. Annual Conference of Animal Science Assoc. of Nig. (ASAN) 13-16 Sept. 2004. Ebonyi State University, (EBSU), Abakaliki. Nigeria. (Eds. Ogunji *et al.*).
- xxi. Annual Conference of Agric. Society of Nig. (ASN) 19-23 Oct. 2008. Ebonyi State University, (EBSU), Abakaliki. Nigeria.
- xxii. 34<sup>th</sup> Annual Conference of the Nigerian Society for Animal Production. (NSAP). 15-18 March 2009. University of Uyo. Uyo. Nigeria



- xxiii. 14<sup>th</sup> Annual Conference of Animal Science Assoc. of Nig. (ASAN) 14-17 Sept. 2009. Ladoke Akintola University of Technology, Ogbomoso. Nigeria.
- xxiv. SIWES – ONLINE Training & DATA MANAGEMENT for Staff of Universities, Polytechnics and Colleges of Education organized by the Industrial Training Fund (ITF) & KASCO Scientific Agency. 23-25 June 2009 at the ITF Jos, Nigeria.
- xxv. The Kwame Nkrumah Leadership Award, At the Annual Conference of All-Africa Students Union, (AASU) held at the Kofi Anan International Peace Keeping Training Centre, Teshi, Accra, Ghana, On Saturday, May 1, 2010.
- xxvi. Access to Success Workshop with the Theme: ACCESS TO SUCCESS: Fostering Trust and Exchange between Europe and Africa held at the La Palm Royale Beach Hotel, Accra. Ghana from 3 – 4 May 2010.
- xxvii. 44<sup>th</sup> Annual Conference of Agric. Society of Nig. (ASN) 18-22 Oct. 2010 Ladoke Akintola University of Technology, Ogbomoso. Nigeria.
- xxviii. 35<sup>th</sup> Annual Conference of the Nigerian Society for Animal Production. (NSAP). March 2010. University of Ibadan, Ibadan. Nigeria
- xxix. 45<sup>th</sup> Annual Conference of Agric. Society of Nig. (ASN) 24-28 Oct. 2011. Usmanu Danfodiyo University, Sokoto.
- xxx. 37<sup>th</sup> Annual Conference of the Nigerian Society for Animal Production. (NSAP). University of Agriculture, Makurdi. Nigeria. 18-21 March 2012.
- xxxi. 46<sup>th</sup> Annual Conference of Agric. Society of Nig. (ASN). Bayero University, (BUK) Kano. Nov. 2012
- xxxii. 8<sup>th</sup> Annual Meeting of African Science Academies (AMASA-8) organized by the Nigerian Academy of Science (NAS) held at Four Points by Sheraton, Oniru Estate, Victoria Island, Lagos. 12-14 Nov. 2012
- xxxiii. 38<sup>th</sup> Annual Conference of the Nigerian Society for Animal Production. Rivers State Univ. of Sci. & Tech., (RSUST), Port Harcourt. Nigeria. 17-20 March 2013.
- xxxiv. Participated in the Poultry Value Chain (PVT) Stakeholders' Meeting on Draft Standards organised by the Department of Livestock of the Federal Ministry of Agriculture and Rural Development, (FMARD) Abuja At Goshen Keffi Road, Abuja. 20- 22 May 2013
- xxxv. Participated in the 40<sup>th</sup> Regular Meeting of the National Council on Agriculture and Rural Development (NCARD) organised by the Federal Ministry of Agriculture and Rural Development, (FMARD) Abuja at the DLK Event Centre, Abeokuta. 24-28 June, 2013
- xxxvi. 47<sup>th</sup> Annual Conference of Agric. Society of Nig. (ASN). Federal College of Animal Health and Prod. Tech., Inst. of Agric. Res. and Training, Ibadan Nov. 2013
- xxxvii. 39<sup>th</sup> Annual Conference of the Nigerian Society for Animal Production. (NSAP). Babcock University, Ilishan Remo. Nigeria. 16-19 March 2014.
- xxxviii. 48<sup>th</sup> Annual Conference of Agric. Society of Nig. (ASN). Univ. of Abuja. Nov. 2014.
- xxxix. 40<sup>th</sup> Annual Conference of the Nigerian Society for Animal Production. (NSAP). Ahmadu Bello University, Zaria. Nigeria. March 2015.
- xl. 49<sup>th</sup> Annual Conf. of Agric. Society of Nig. (ASN). Delta State Univ. Asaba. Nov. 2015
- xli. 41<sup>st</sup> Annual Conference of the Nigerian Society for Animal Production. (NSAP). Federal University of Agriculture, Abeokuta. Nigeria. March 2016.
- xlii. 50<sup>th</sup> Annual Conference of Agric. Society of Nig. (ASN). National Root Crops Research Institute, Umudike. 3<sup>rd</sup> – 7<sup>th</sup> Oct. 2016.
- xlili. 42<sup>nd</sup> Annual Conference of the Nigerian Society for Animal Production. (NSAP). Landmark University, Omuaran, Kwara State. Nigeria. 26<sup>th</sup> – 30<sup>th</sup> March, 2017.

- xliv. 51<sup>st</sup> Annual Conf. of Agric. Society of Nig. (ASN). Univ. of Abuja, Abuja. Oct. 2017
- xlv. 43<sup>rd</sup> Annual Conference of the Nigerian Society for Animal Production. (NSAP). Federal University of Technology, (FUTO) State. Nigeria. March, 2018.
- xlvi. 52<sup>nd</sup> Annual Conf. of Agric. Society of Nig. (ASN). Agric. Research Council of Nigeria, Abuja. Oct. 2018
- xlvii. Participated in Virtual Workshop on the United Nations Convention on the Rights of Persons with Disabilities Organised by Concerns for Disability Initiative From 6<sup>th</sup>- 27<sup>th</sup> October, 2018
- xlviii. Participated in Virtual Workshop on Lobbying and Advocacy Skills organised by Concerns for Disability Initiative on 24 & 25 November, 2018
- xlix. 44<sup>th</sup> Annual Conference of the Nigerian Society for Animal Production. (NSAP). University of Abuja, Abuja FCT. Nigeria. March 17-22, 2019.
  - 1. 53<sup>rd</sup> Annual Conf. of Agric. Society of Nig. (ASN). National Cereals Research Institute, Badeggi, Niger State. Oct. 21 – 25, 2019
  - li. 45<sup>th</sup> Annual Conference of the Nigerian Society for Animal Production. (NSAP). Abubakar Tafawa Balewa University, Bauchi. Nigeria. March 14 - 19, 2020.
  - lii. 54<sup>th</sup> Annual Conf. of Agric. Society of Nig. (ASN). at the Federal University, Alike-Ndufe, Abakiliki, Ebonyi State.. October 2021
  - liii. 46<sup>th</sup> Annual Conference of the Nigerian Society for Animal Production. (NSAP). Federal University, Dutse-Ma, Katsina State. Nigeria. March 12 - 18, 2021.

**(xxi) EXTRA CURRICULAR ACTIVITIES-**

Chess, Lawn Tennis, Table Tennis and Reading.

**(xxii). RESEARCH INTERESTS AND ACTIVITIES**

Animal nutrition / Production with emphasis on Ruminant (Cattle, Sheep and Goats) Feeding, Feed resources, and Toxicology. Manipulation of the Rumen environment and the Improvement of the degradability of feed resources. Mitigation of Methane production by Ruminants. Use of probiotics for improving animal nutrition.

**xxiii. Names and Addresses of Referees**

- (1) Prof. J. A. Okojie,  
(Immediate Past Executive Secretary, National Universities Commission, NUC Abuja). & Former Vice-Chancellor, Federal University of Agriculture, Abeokuta. Nigeria.  
[okojie\\_julius@yahoo.com](mailto:okojie_julius@yahoo.com)
- (2) Prof. Eghosa Osaghae  
(Former Vice-Chancellor, Igbinedion University, Okada)  
Department of Political Science, University of Ibadan, Ibadan,  
[osaghaeeghosa@yahoo.co.uk](mailto:osaghaeeghosa@yahoo.co.uk)