

CURRICULUM VITAE

CHUKWUEMEKA (CHUCK) OKERE

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❖ EDUCATION:

1995	Member, Institute of Biology, UK (M.I. Biol.) Chartered Biologist (C.I.Biol.)
1991- 1994:	Ph. D. Animal Science (Endocrinology & Reproductive Physiology) University of Guelph, Guelph, Ontario, Canada.
1980 – 1983:	M.Phil. Animal Science (Animal Physiology) University of Ife, Ile Ife-Nigeria.
1981 – 1982:	Research Training in <i>Assisted Reproductive Techniques in Small Ruminant (sheep & goats)</i> . Dept. of Tropical Animal Production, Wageningen Agricultural University, Wageningen, The Netherlands.
1974 – 1979:	B. Sc. Agric (<i>Animal Science</i>). University of Nigeria, Nsukka, Nigeria.

❖ PROFESSIONAL AFFILIATIONS:

1. Member, Canadian Society of Animal Science
2. Member, American Society of Animal Science (1992-2002)
3. Chartered Biologist (CBiol.) and Member, Institute of Biology (MIBiol.), UK.
4. Member Southern Regional Meat Goat Research, Production and Technology Transfer Networking Group
5. Project Leader Southwest Mississippi Sustainable Animal Production Project
6. Editor, Meat Goat Research Highlights, a Research, Education and Technology Publication of the Caprine Research & Education Unit, George Washington Carver Agriculture Experiment Station, Tuskegee University, Tuskegee, AL.

❖ RECORD OF EMPLOYMENT (1983-Date)

2008 - Date	Research Associate Professor Dept. of Agricultural & Environmental Sciences College of Agricultural, Environmental & Natural Sciences Tuskegee University, Tuskegee, Alabama
2004 – 2008:	Senior Research Scientist/Assistant Professor Swine Development Centre, School of Agriculture, Research, Extension & Applied Sciences (AREAS), Alcorn State University, Alcorn State University, Alcorn State, Mississippi.
2002 – 2004:	Assistant Professor – Animal Science (Physiology, Breeding & Genetics) School of Agriculture, The University of the South Pacific (USP),

	Alafua Campus, Apia, Samoa.
1999 – 2002:	Research Scientist & Project Manager Genex Swine Group Inc., (Now Hypor Canada Inc.) Regina, Saskatchewan, Canada
1994 – 1999:	Research Associate Animal Research Program University of Guelph, Guelph, Ontario, Canada /Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA).
1995 – 1998:	Instructor Department of Animal & Poultry Science University of Guelph, Guelph, Ontario, Canada
1991-1994:	Graduate Teaching/Research Assistant Dept. of Animal & Poultry Science University of Guelph, Guelph, Ontario, Canada
1983 -1991:	Lecturer II/ Lecturer I/ Senior Lecturer - Animal Production School of Agriculture & Agricultural Technology, Federal University of Technology, Owerri, Nigeria.

❖ **TEACHING & RESEARCH ACCOMPLISHMENTS (1983-2008)**

2008-2009: **Dept. of Agricultural & Environmental Sciences/College of Agricultural,
Environmental & Natural Sciences, Tuskegee University, Tuskegee, Alabama**

Teaching Responsibilities

APSC 330: Meat and Meat Products
APSC 405: Swine Production & Management
APSC 401: Animal Breeding & Genetics
APSC 450: Special Problems in Animal Science
APSC 502 Domestic Animal Behavior
BIO 510: Domestic Animal Behavior
APSC 630: Special Problems in Animal Science
APSC 700: Research in Animal Science

Planned Research Projects (2012 -)

1. To utilize assisted reproductive techniques to make rapid advances in genetic selection and improvement of desirable traits in meat goat production.
2. To develop new genetic testing programs to accelerate improvement of economic traits, including growth performance, reproductive survival and meat quality
3. Development of feeding and management programs to improve the competitiveness of meat goat industry in central Alabama.
4. To develop means of improving growth rate, feed efficiency, and survivability, including research aimed at reducing the prevalence and impact of infectious diseases in meat goatherd.
5. To conduct research aimed at improving reproductive efficiency and increasing perinatal survival in the meat breeding stock.
6. Develop an integrated parasite management program.
7. To access genotype and nutrition interaction on carcass yield and meat quality in goats.

Current Technology Transfer Activities

Instructor and “Hands-on” Demonstrator – 2008 Master Goat Certification Program at the Caprine Education & Research Unit (August, 2008/2009)

Administrative Responsibilities

Freshman Academic advisor for APSC students

Graduate Student Supervision

1. Durandal Ford, Candidate for M.Sc. (Animal Reproductive Biotechnology)
2. Ms. Latoya Keith - Area of study: M.Sc. – Breeding and Genetic Improvement
3. Davi-Anne Philip - Area of study: M.Sc. – Breeding and Genetic Improvement
4. Lynsey Paschal – Area of study: M.Sc. Meat Science & Technology

Graduate and Undergraduate Student Research Projects Supervision at TU

1. Janelle McNeal, Davi-Anne Phillip, Chuck Okere and Olga Bolden-Tiller, 2011. A Two Year Comparison of Animal Science Proficiency Test Results With Regards to Class Standing and Demographic Characteristics of Students. Proceedings of the 69th Annual Professional Agricultural Workers Conference in Tuskegee University in December 5-7, 2011.
2. Iyabo Johnson, Olga Bolden-Tiller and Chuck Okere, 2011. Attitudinal Survey of Producers Involved in Tuskegee University Master Goat Producers Certification Training Program. Proceedings of the 69th Annual Professional Agricultural Workers Conference in Tuskegee University in December 5-7, 2011
3. J. Streeter, C. Okere, W. McElhenney and O. Bolden-Tiller, 2011. Parity Effects on Reproductive Efficiency in Purebred Large White Sows .Proceedings of the 1890 Land-Grant Universities Association of Research Directors 16th Biennial Research Symposium, Atlanta, GA. April 9-13-2011 (Pp.172). **This paper won third place in the undergraduate student poster competition.**
4. P. Bradley, C. Okere, E. R. Bridges, O. Bolden-Tiller, D. Ford & A. Paden, 2010. Relationships among Body Conformation, Testicular Traits and Semen Output in Electro-ejaculated Pubertal Kiko Goat Bucks. Proceedings of the 68th Annual Professional Agricultural Workers Conference in Tuskegee University in December 5-7, 2010. **This paper won first place in the undergraduate student poster competition.**
5. D. Phillip, C. Okere, O. Bolden-Tiller, W. Witola, N. Gurung and W. McElhenney, 2010. Performance in Animal Science Proficiency Test is related to Student Class Standing, Farm or Non-farm Background. Proceedings of the 68th Annual Professional Agricultural Workers Conference in Tuskegee University in December 5-7, 2010. **This paper won second place in the graduate student poster competition.**
6. C. Ellis, C. Okere & O. Bolden – Tiller, 2010. Utilization of Sow Productivity Index (SPI) to Optimize Reproductive Efficiency in a Sow Herd. Proceedings of the 68th Annual Professional Agricultural Workers Conference in Tuskegee University in December 5-7, 2010.
7. B. Palmer, N. Gurung, C. Okere and H. Mohammad, 2010. Hematological and Biochemical Parameters of Intact Boer Bucks under Intensive Management System. Proceedings of the 68th Annual Professional Agricultural Workers Conference in Tuskegee University in December 5-7, 2010.
8. J. Streeter, S. Solaiman, **C. Okere**, N. Gurung, 2009. Critical Analysis of Reproductive Performance in Boer and Kiko Meat Goat Breeding Herd under Semi-Intensive Management System. Proceedings of the 67th Annual Professional Agricultural Workers Conference in Tuskegee University in December 200, pp 5.). **This paper won first place in the undergraduate student competition.**
9. Ellis, **C. Okere**, O. Bolden-Tiller and N. Gurung, 2009. Preliminary Studies on Herd Prolificacy in Kiko Goats. Proceedings of the 67th Annual Professional Agricultural Workers Conference in

- Tuskegee University in December 2009 pp 12). **This paper won third place in the undergraduate student competition.**
10. L. Keith and **C. Okere**, 2009. The Relationship between Body Conformation and Carcass Characteristics in Pubertal Male Boer Goats. Proceedings of the 67th Annual Professional Agricultural Workers Conference in Tuskegee University in December 2009 pp 6.
 11. D. Philips, **C. Okere**, and N. Gurung, 2009. Precision Breeding in Boer and Kiko Females Using Bucks fitted with Marking Harnesses. Proceedings of the 67th Annual Professional Agricultural Workers Conference in Tuskegee University in December 2009, pp 11.
 12. C. Ragland, O. Bolden-Tiller, C. Okere, W. McElhenney, J. Bartlett and S. Solaiman, 2009. Core Animal Science Concepts and Terminology: Do our Students with Weak or Non-Farm Background Comprehend? 67th Annual Professional Agricultural Workers Conference in Tuskegee University in December 2009.
 13. D. Ford., Philip D, Bolden-Tiller, O and C. Okere. 2009. Libido Test Scores, Body Conformation and Testicular Traits in Pubertal Boer and Kiko Goats. 1890 Land-Grant Universities Association of Research Directors 15th Biennial Research Symposium, Atlanta, GA. March 28 - April 1- 2009 (Pp.153). **This paper won second place in the graduate student competition.**
 14. L. Keith, C. Okere, S. Solaiman and O. Bolden-Tiller. 2009. Relationship between Testicular Morphometry, Body weight and Conformation in Pubertal Male Boer Goats. 1890 Land-Grant Universities Association of Research Directors 15th Biennial Research Symposium, Atlanta, GA. March 28 - April 1- 2009 (Pp.152).

2004 – 2008: Alcorn State University–Swine Development Centre: Senior Research Scientist/Research Assistant Professor

Teaching Responsibilities:

- AS 233: Meat & Meat Products.
- AS 233 Meat & Meat Products (Lab)
- AS 216: Section A - Swine Production & Management (Core & Specialized Modules).
- AS 216: Section B– Five Day Short-term Swine Industry Internship Program.
- AS 216: Section C –Summer Swine AI Certification & Internship Program.
- AS 253: Physiology of Reproduction (Team taught).
- AS 343: Anatomy & Physiology of Farm Animals (Team taught).
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- General responsibilities include:
 1. Development, implementation, and evaluation of interdisciplinary extension and applied research program focused on pasture-based swine production system for limited –resource farmers in southwest Mississippi.
 2. Provision of knowledge to enhance international competitiveness of the Mississippi Pork Evaluation of new and sustainable swine production systems for limited-resource farmers.
 4. Annual Pork Producers Field Day
 5. 4-H Swine Judging Contest.
 6. Editorial responsibility for Newsletter and Research Updates.

Current Research Projects & Support (2004-2008)

Nutrition & Meat Quality

1. Determination of the Impact of Traditional and Non-Traditional Feedstuffs on Pork Quality, Safety and Consumer Acceptance (ASU-SDC).
2. Feedlot Performance, Carcass Composition and Meat Quality Traits in Hogs Reared Under a Pasture - Based Swine Management (ASU-SDC)

Artificial Insemination & Embryo Transfer Technology

1. Seasonal and Genotype Variations in Libido, Semen Production and Quality in Boars at Church Hill AI Stud (USDA-ARS).
2. Non-surgical embryo transfer program for limited resource swine producers (USDA/CSREES – pending).
3. Relationships between Selected Trace Elements in Seminal Plasma, Blood serum and Boar Semen quality (USDA-ARS).
4. A Comparative Study of the Reproductive Efficiency of A.I. vs. Natural Breeding in Church Hill Herd (USDA-ARS).

Breeding & Reproduction

1. Managing Lactation Weight Loss and Body fat to Enhance Reproductive Performance in Sows (ASU-SDC).
2. Development of Specific Management Strategies to Ameliorate Seasonal Anestrus in Southwest Mississippi Breeding Herds (ASU-SDC).
3. Gilt Development Program Through On-farm Performance Testing (ASU-SDC).

Education & Technology Transfer

1. Summer A.I. Internship and Certification program (USDA/CSREES).
2. Formation of a Sustainable Pork Producers Co-op in Southwest Mississippi (ASU-SDC)
3. Problem-Based Learning (PBL) Curriculum for Teaching Swine Production & Management (USDA/CSREES).

2002 – 2004: **School of Agriculture, the University of the South Pacific (USP), Alafua Campus, Apia, Samoa. Assistant Professor – Animal Science (Physiology, Breeding & Genetics),**

Responsibilities include teaching (diploma and undergraduate courses) in dual (on-campus and distance/extension) mode, in breeding and genetics, ruminant and non-ruminant animal production. Also, I served as a scientific liaison officer for the Institute for Research, Extension and Training in Agriculture (IRETA) in Samoa, an institute whose mandate is to provide active regional research coordination in enhancing food production, documentation and dissemination of sustainable agricultural technologies in the Pacific Island Countries.

List of Courses Taught. At USP

Diploma in Tropical Agriculture (DTA) Program.

1. AGD 77: Pig and Poultry Husbandry (on-campus & extension mode).

Bachelor of Agriculture (B.Agr.) Program.

1. AG 101: Fundamentals of Agriculture (on-campus & extension mode).
2. AG 172: Animal & Human Nutrition (on-campus & extension mode).
3. AG 273: Livestock Production I (on-campus & extension mode).
4. AG 274: Anatomy and Physiology of Farm Animals (on-campus & extension mode).
5. AG 372: Animal Breeding & Genetics.
6. AG 373: Livestock Production II (on-campus & extension mode).

Master of Agriculture (M.Agr.) Program.

1. AG471: Advanced Pig and Poultry Nutrition & Husbandry Techniques.
2. AG472: Environmental & Reproductive Physiology of Farm Animals.

Research Projects Conducted at USP (2002-2004).

1. A survey of local browse plants, production characteristics and sheep & goats management systems in the South Pacific Islands. *Production traits of interest* (Gestation length, length of estrous cycle, length of estrus, age at puberty, normal breeding season, neonatal mortality, size of kids, adult size and body conformation of does and bucks). *Production & husbandry practices of interest* (Housing, ownership patterns, flock size, herd health, marketing and economics of production).
2. Evaluation of current status and production constraints regarding non- ruminant animal (pig and poultry) productivity in the South Pacific region.
3. Development of pork production systems based on recycled household and industrial waste products.
4. Development of regional assisted reproductive technology (artificial Insemination and/or embryo transfer) program utilizing indigenous, exotic swine and their crosses
5. Seasonal patterns in estrous cycle length and estrus behavioral characteristics of indigenous, exotic swine and their crosses in the South Pacific islands.
6. Productivity of local ducks and chickens under village management conditions.

Student Research Projects Supervision at USP (2002-2004)

1. Development of organic mineral premix for pigs using local feed ingredients - A. D. Das (BAgr Project - 2002).
2. The effect of rumen liquor on the utilization of desiccated coconut waste meal by growing pigs – S. Kumar (BAgr. Project- 2002).
3. Development of protein and energy silage concentrates for smallholder pig farmers in the south Pacific region using the little bag technique – P. O. Tabuaciri (BAgr Project - 2002).
4. Performance evaluation of broiler contract growers in Fiji Islands using PIF criteria – K. L. Sharma (B.Agr Project – 2002).
5. Development of a predictive equation for weight determination based on chest girth measurement in *Santa Gertrudis* heifers in Fiji Islands - V. Kumar (B.Agr Project – 2003).
6. Seasonal variations in blood chemistry and hematological variables in exotic and crossbred pigs in humid tropics of Samoa – T. Redfern (B.Agr Project – 2003).
7. Effects of sex and breed on carcass composition and quality attributes of meat from indigenous, exotic swine and their crosses in the South Pacific islands – T. Tugivita (B.Agr Project – 2003).
8. Production of chickens and ducks using natural renewable resources in integrated farming systems – E. Singh (M. Agr 2003-)
9. Effects of season of collection on ejaculate characteristics of indigenous, exotic swine and their crosses in the South Pacific islands – W. Luyawani (B.Agr Project – 2003).
10. Relationship between body condition scores, backfat and bodyweight estimates in sows – E. Apera (B. Agr Project 2003).

Administrative Responsibilities at USP (2002-2004)

1. Academic Staff Advisor – B. Agr Year 1 students.
2. Member, School Research Committee

1999 – 2002: Technical Service Manager, (Genetics) Genex Swine Group Inc., (Hypor Canada) Regina, SK, Canada

Duties and Responsibilities:

1. Development and implementation of swine genetic improvement programs that reflect the latest in genetic improvement technology.
2. Establish, review and update (as necessary) the standard operating procedure (SOPs) for the care, health monitoring and routine data collection procedures utilized in the swine research projects.
3. Served as the scientific liaison officer for Genex-China Integrated Pork Production Project in Yushu City, Jilin province, China.
4. Developed strategies for livestock technology adoption and transfer in all Genex units.
5. Serviced as an information source for technicians working in the field.
6. Responsible for overall financial management of projects and compliance to milestones and budget guidelines.
7. Responsible for oversight of regulatory issues (biotechnology, patent laws and intellectual property rights) relative to new Genex products.
8. Oral and written presentation of technical/research information on swine production and management to Genex network of commercial producers, peer scientists, marketing and sales professionals and other stakeholders.
9. Chief instructor, examiner and Genex coordinator for *Pork Production Technician Accreditation Program*: an In- barn education, training and accreditation program developed by Genex Swine Group & Saskatchewan Institute of Applied Arts, Science and Technology (SIAST) for Genex stockpersons.
10. Chair, Genex Animal Care Committee.
11. Member, Genex Occupational Health and Safety Committee.

Some R and D Projects Managed at Genex Swine Group Inc., (1999 -2002)

1. Utilisation of Real-time ultrasound and electronic feed intake recording system for swine performance testing (*Genex – in-house, 1999-2001, CDN\$150,000*).
2. Characterization of pork carcass composition and reproductive performance resulting from incorporating Chinese Meishan genetics in proposed commercial crosses prior to product release (*Genex – in-house, 1999 -2002, CDN\$148, 000*).
3. Identification of management, hormonal and molecular factors, influencing lactation performance and piglet viability in Genex Chinese Meishan and White derived dam lines (*Agriculture and Agri-Food Canada –Lennoxville, PQ – Canada, 2000-2002, CDN\$50,000*).
4. Determination of the interaction between nutrition and reproduction in enhancing performance of traditional Genex white breeds (*University of Alberta-Edmonton, AB – Canada, 2001-2000, CDN\$105,000*).
5. A comprehensive mapping approach for the identification of genes associated with prolificacy in Genex Meishan pigs (*University of Guelph – Guelph, ON - Canada*).
6. Gamete conservation via cryopreservation and embryo transfer-related technologies (*Genex – in-house, 2001 -2002, CDN\$150,000*).
7. Detection and characterization of quantitative trait loci (QTL) for meat quality traits in Genex Sire lines pigs (*Agriculture and Agri-Food Canada –Lennoxville, PQ - Canada*) (2002, *CDN\$134, 000*).

1995-1999: Research Associate, Department of Animal & Poultry Science, University of Guelph, Guelph, Ontario, Canada & Animal Research Program, Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA).

Duties and Responsibilities:

1. In this role, I managed an integrated and scientifically credible swine research and production projects in the Arkell Swine Research Center, a 1200-sow farrow-to -finish facility that conducts near-market research on behalf OMAFRA, the University of Guelph and the Ontario Pork Industry.

2. I directly participated in the design of experimental work and in the preparation of grant applications and manuscripts for publications.
3. Developed and maintained professional relationship with the Ontario Pork Producers Marketing Board (OPPMB).
4. Ensured timely submission of annual and final project reports.
5. Direct supervision of two research assistants.
6. A section of the research program was designed to address the need for a coordinated and responsive technology transfer mechanisms in the light of the rapid restructuring that continues within the swine industry.

1995-1998: **Instructor, Dept. of Animal & Poultry Science, University of Guelph, Guelph, Ontario, Canada**

List of Courses Taught.

1. ANSCI 01-040 - Swine Production. Fall 1995
2. ANSCI 01-040 - Swine Production. Fall 1997
3. ANSCI 01-040 - Swine Production. Winter 1998
4. AGRI 01-020 - Agricultural Field Studies. Fall 1996

1991 –1994: **Graduate Student, Teaching/Research Assistant Dept. of Animal & Poultry Science, University of Guelph, Guelph, Canada**

Organized lab sessions, demonstration projects and field trips for:

1. 10-341 - Structure & Functions of Farm Animals - Fall 1991
2. 01-125 - Agrifood System Trends & Issues - Winter 1992
3. 01-235 - Animal Production Systems & Industry - Fall 1992
4. 10-341 - Dairy Cattle Production - Winter 1993
5. 10-439 - Animal Behavior and Bionomics - Fall 1993

1983-1991: **Lecturer & Senior Lecturer, Dept. of Animal Production, School of Agricultural Technology, Federal University of Technology, Owerri, Nigeria (FUTO)**

Duties and Responsibilities at FUTO:

1. Provided technical input in the design of new animal research and teaching facility.
2. Faculty member in-charge of research, production and student labor supervision for the Sheep and Goat unit (1985-91) at the Teaching and Research Farm.
3. Initiated and managed with active students' participation a "start from scratch" innovative teaching, research and livestock extension programs for sustainable and integrated crop/livestock development projects.
4. Academic staff adviser for Year III Bachelor of Agricultural Technology.
5. Supervised 15 final year undergraduate research projects in areas of Environmental, & Reproductive Physiology and Ruminant & Non-ruminant Animal Production Techniques.

Research Activities

I was a member and in certain instances provided leadership for the following externally funded research programs:

1. National Integrated Farming Systems Research Network (NIFSRN)
2. On-Farm Adaptive Research and Extension Program

3. African Network for Rural Poultry Development
4. EEC – assisted FUTO /Netherlands Soil Erosion Project
5. ILCA sponsored Small Ruminant (Sheep and Goat) Productivity Project (Team Leader)
6. International Foundation for Science (IFS) sponsored research on Alternative Feed Sources for Broilers.

Coordinator, Students Industrial Work Experience Scheme (SIWES) – student Internship Program

I supervised and managed students' off-campus and on-campus SIWES program. A program designed to give students practical, hands-on farm management experience. Specific learning opportunities during program included rotational work experience in projects like:

1. Utilization of Agricultural Wastes
2. Dry Season Vegetable Crop Production
3. Neglected Crops and Alternative Feed Sources
4. Sheep and Goat Production
5. Pasture Swine Production
6. Agricultural Mechanization
7. Snail Farming
8. Rabbit Production
9. Storage of Root and Tuber Crops
10. Technology Adoption in Crop and Animal Production

Academic/ Administrative Committees Responsibilities at FUTO:

1. Member, Faculty Board of Studies
2. Chairperson, Departmental Seminar & Conference Committee

List of Courses Taught at FUTO (1983-1991)

1. APR 202 - Introduction to Non-Ruminant Animal Production.
2. APR 405 - Anatomy & Physiology of Farm Animals.
3. APR 407- Endocrinology.
4. APR 506 - Dairy Cattle Production.
5. APR 507 - Sheep & Goat Production.
6. APR 508 - Research Techniques in Tropical Animal Production.
7. APR 510 - Recent Advances in Tropical Animal Reproduction.

❖ **ACADEMIC DISTINCTION & AWARDS**

1974-79:	Federal Government of Nigeria - Undergraduate Scholarship
1980-83:	University of Ife, Nigeria-Graduate Research Fellowship & Postgraduate Scholarship Agricultural University, Wageningen-The Netherlands (1981-82). European Economic community (EEC) Research & Travel Fellowship.
1991-94:	University of Guelph - Graduate Research Assistant & Visa Scholarship Mary Edmunds Williams Scholarship -1992-3 (A premier award for PhD students at University of Guelph.

❖ RESEARCH GRANTS (1995-2010).

Investigators	Supporting Agency	Title of Project	Amount	Date
Bolden-Tiller, Okere, C & W. McElhenney	USDA-CSREES/NIFA	Enhancing student learning in ART	\$150,00	Pending
All GWCES researchers	USDA/CSREES ALX-Caprine	Integration of Sustainable Resource Management, Nutrition, Reproduction and Goat Health for Production Efficiency, Meat Quality and marketing Goats	\$523,143	10/07-9/010
Sandra Solaiman Nar Gurung Chuck Okere Byeng R. Min	Southern SARE	Nutrient Optimization for sustainable goat production systems in the Southeast U.S.	\$190,000.00	2010 - 2012
C. Okere, M. Ezekwe, C. Vaughn & R. Hawkins	CSREES/Evans-Allen Program	Development of a Sustainable (Pasture-Based) Pork Production System For Limited Resources Farmers.	\$346,000	October 2007
C. Okere	USDA-CSREES	USDA Travel Grant	\$500.00	Sept. 2006
C. Okere, M. Ezekwe & E. Cuadra	USDA-CSREES	Non-surgical embryo transfer program for limited resource swine producers.	\$298,113.0	2006-2009 (pending)
C. Okere, M. Ezekwe & C. Vaughn	USDA-CSREES (Grant# 2005-38820-16360)	Development of a Problem Based Learning (PBL) Curriculum for Teaching Swine Production and Management.	\$199,269.0	2005-2008
C. Okere & A. Ajuyah	Japanese International Cooperation Agency -JICA	Integrated Farming System for Crops, Fish and Poultry in Samoa.	\$50, 000	2002-2003.
C. Okere & A. Ajuyah	University of the South Pacific Senate Research Committee	Seasonal and Genotype Variations in Libido and Ejaculate Characteristics of Exotic & Local Pigs	\$13,898.00	2002-2003.
C. Okere & R. Hacker	Monsanto Canada Inc	Influence of Environment and Endocrine Parameters on Piglet Development and Viability.	\$36, 000	1997-1998
C. Okere & R. Hacker	Ontario Pork Producers Marketing Board	Immunophysiological Responses of Sows and Neonatal Pigs to Vitamin .E and or Selenium Therapy.	\$14,000.0	1997-1998
C. Okere &	Ontario Pork	Evaluation of Leptin as the	\$24, 000	1997-1999

R.Hacker	Producers Marketing Board	Metabolic Signal for Early Onset of Reproductive Functions in the Pig		
C. Okere & R. Hacker	Pharmacia & Upjohn &	Enhancing Reproductive Performance in Sows via Prostaglandin & IGF-I Therapy	\$68,000.00	1995-1997

❖ STATISTICAL, DATA MANAGEMENT AND COMPUTER SKILLS

1. Very familiar with experimental design, sample surveys, analysis of variance, linear models, and hypothesis testing and the applications of a variety of statistical techniques to research data.
2. Knowledgeable and proficient in a variety of IBM ® - compatible PC-based operating systems and applications software including word processors (WordPerfect® & Microsoft Word®), spreadsheets (Microsoft Excel®), statistical analysis software (SAS® and S-PLUS®), graphics/presentation software (Harvard Graphics® & Microsoft PowerPoint®).
3. Conducting literature searches using both internal and external on-line database, Internet and network utilizing several commercially available software packages.

❖ PUBLICATIONS:

THESES

1. Endocrine & Reproductive Responses of Gestating Gilts to Insulin, pST and Micro-Nutrient Supplementation. *Ph. D. Thesis, University of Guelph Guelph, Ont. Canada, 1994.*
2. Semen Characteristics of West African Dwarf Goats Kept in The Netherlands. *M. Phil. Thesis, University of Ife, Nigeria, 1983.*
3. Reproductive Survival of Indigenous Pigs under Village Management System. *B. Agric (Ani. Sci.), University of Nigeria, Nsukka, Nigeria, 1979.*

PEER-REVIEWED JOURNAL ARTICLES

1. C. Okere, J. Streeter, S. Solaiman, and N. Gurung. 2011. Critical Analysis of Reproductive Performance in Boer and Kiko Meat Goat Herd under Semi-intensive Management System. *International Journal of Applied Agricultural Research (IJAAR): 6 (2) 145-151.* (<http://www.ripublication.com/ijaar.htm>).
2. C. Okere, P. Bradley, E. R. Bridges, O. Bolden-Tiller, D. Ford & A. Paden, 2011. Relationships among Body Conformation, Testicular Traits and Semen Output in Electro-ejaculated Pubertal Kiko Goat Bucks. *Journal of Agricultural and Biological Sciences. 6 (8): 43 - 48.*
3. Davi- Anne Philip and Chuck **Okere**. 2011. Precision Breeding in Kiko and Boer female Goats Using Bucks fitted with a Marking Harness. *International Journal of Science and Nature (IJSN): 2 (1): 11-15.*
4. D. Ford, **C. Okere** and O. Bolden – Tiller. 2009. Libido Test Scores, Body Conformation and Testicular Traits in Boer & Kiko Goat Bucks. *Journal of Agricultural and Biological Sciences, 4 (5) 1-8.*
5. L. Keith, **C. Okere**, S. Solaiman and O. Bolden-Tiller. 2009. Accuracy of Predicting Body Weights from Body Conformation and Testicular Morphometry in Pubertal Boer Goats. *Res. J. Anim. Sci., 3 (2) 26-31.*

6. **Okere, C.** Joseph, A and Ezekwe, M. 2005. Seasonal and Genotype Variations in Libido, Semen Production and Quality in Artificial Insemination Boars. *Journal of Animal and Veterinary Advances.* 4 (10): 885-888.
7. A. O. Ajuyah and **C. Okere.** 2003. Perspectives on the Commercial Broiler Industry in Samoa: Constraints and Opportunities. *Journal of Animal and Veterinary Advances.* 2 (12): 666-670.
8. Sharma, K. L. **Okere, C.**, Ajuyah, A. O. and Vakaubu, J. N. 2003. Performance Evaluation of Broiler Contract Growers in Fiji Islands. *Proc. Aust. Poult. Sci. Sym.* 15: 164-167
9. **Okere, C.** and Nelson, L. 2002: Novel Reproductive Techniques in Swine Production: A Review. *Asian-Australasian Journal of Animal Sciences.* 15 (3): 445 - 452
10. **Okere, C.** and Hacker, R.R. 1999: Effects of Administration of PST and Insulin to Gestating Gilts on Conceptus, Utero-placental, Umbilical Cord Development and Piglet Survival. *Asian-Australasian Journal of Animal Sciences.* 12 (3): 341-347
11. **Okere, C.** Hacker, R.R. & Werchola G. 1997: Serum IGF-I Concentrations, piglet Viability and Visceral Organ Weights Following PST and Insulin Administration to Gestating Gilts. *Theriogenology.* 47 (7): 1403-1412.
12. Iheukwumere, F. C. and **Okere, C.** 1990: Effects of Frequent Ejaculations on Semen Quality of Nigerian Yankasa Rams. *Small Ruminant Research.* 3. (1) 77 –83.
13. **Okere, C.** and Iheukwumere, F. C. 1990: Effects of Day of semen Collection on Ejaculate Characteristics of West African Dwarf Rams. *Ovis aris L. Nig. J. of Agri. Tech.* 2 (1) 11-17.
14. **Okere, C.** Iloeje, M. U. and Imumorin, I. G. 1989: Breed and Parity Effects on Litter Characteristics of Exotic sows in the Humid Tropics of S. E. Nigeria. *Nig. J. Expri. Bio.* 3 (2) 33 – 42.
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2. C. Okere, L. Keith and O. Bolden-Tiller and W. W. McElhenney. 2012. The Relationship between Phenotypic, Testicular Traits and Serum Testosterone Profiles in Pubertal Male Boer Goat Cross. *Journal of Animal Production.*
3. C. Okere, L. Keith and O. Bolden-Tiller and W. W. McElhenney. 2012. Body Conformation, Testicular Morphometry, Carcass Traits and Serum Insulin-like Growth Factor – 1(IGF-I) Profiles in Pubertal Male Boer Goats Cross. *Research Journal of Animal Sciences.*

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