

CURRICULUM VITAE

PERSONAL DATA

Name: **Kwaku Adomako, PhD.**

Address:

Department of Animal Science
Faculty of Agriculture, College of Agriculture and Natural Resources
Private Mail Bag, University Post Office
Kwame Nkrumah University of Science and Technology (KNUST)
KUMASI, GHANA
Phone (cell): +233 501349015/ +233 243149992
Email:
kwadom75@yahoo.co.uk/adomakokwaku5@gmail.com/
kadomako.canr@knust.edu.gh

Date of Birth: 19th April, 1978
Home Town: Bekwai, Ashanti
Religion: Christianity
Marital status: Married with four children

EDUCATIONAL BACKGROUND

Academic Qualifications

Date

PgCert. Norman E. Borlaug Fellowship (Molecular Genetics)	November 2015
PgCert. Poultry Production and Management	May 2013
PhD. Animal Breeding and Genetics	February 2010
BSc. Agriculture, 2 nd Class Upper Division.	June 2004

Institutions attended with dates

September 2015 – November 2015 – University of Georgia, USA (Borlaug Fellowship)
April 2013 – May 2013 – Hebrew University of Jerusalem, Rehovot, Israel
August 2005 - February 2010 - KNUST, Kumasi-Ghana.
October 2000 – June 2004 - KNUST, Kumasi-Ghana
January 1995 - Dec 1997 - Prempeh College, Kumasi, Ghana.

WORKING EXPERIENCE

<i>ORGANIZATION</i>	:	Kwame Nkrumah University of Science and Technology
<i>DATE</i>	:	2011 – Date
<i>POSITION</i>	:	Associate Professor
<i>DUTIES</i>	:	<ul style="list-style-type: none">• Teaching• Research

- Supervision of Students' Research (BSc., MPhil. and PhD)

POSITIONS HELD IN THE UNIVERSITY

Head of Research Station - Dairy/Beef Cattle Research Station, KNUST (August 2017- July 2019)

Coordinator - Vacation Training, Faculty of Agric., KNUST (2022-)

Deputy Coordinator - Vacation Training, Faculty of Agric., KNUST (2016- 2019)

Academic Tutor – Faculty of Agriculture, KNUST (2012 - Date)

Seminar Coordinator - Department of Animal Science (2016 - Date)

Head of Poultry Section - Department of Animal Science (2012 - 2017)

Examinations Officer - Department of Animal Science (2013 - 2016)

UNIVERSITY TEACHING AND/ OR RESEARCH EXPERIENCE WITH DATES

(i) Academic ranks held

Aug. 2021 – Date: **Associate Professor**, Dept. of Animal Science, KNUST, Kumasi-Ghana.

Aug. 2016 – July 2021: **Senior Lecturer**, Dept. of Animal Science, KNUST, Kumasi-Ghana.

Dec 2011– July 2016: **Lecturer**, Dept. of Animal Science, KNUST, Kumasi-Ghana.

(ii) Subjects taught as Lecturer and Senior Lecturer.

Senior Lecturer	Undergraduate (shared courses)		
	1. AS 251: Principles of Animal Breeding	Department of Animal Science, Faculty of Agriculture	Aug 2012 to date
	2. AS 254: Poultry Production and Management	Department of Animal Science, Faculty of Agriculture	Jan 2012 to date
	3. AS 451: Animal Improvement Programmes	Department of Animal Science, Faculty of Agriculture	Aug 2012 to date
	4. AS 454: Environmental Physiology	Department of Animal Science, Faculty of Agriculture	Jan 2012 to date
	5. BAS 356: Animal Production and Health (IDL)	Institute of Distance Learning	Aug 2018 to date
	6. BAS 359: Genetics and Breeding (IDL)	Institute of Distance Learning	

Postgraduate (shared course)			
	1. AS 559 Quantitative Genetics 1	Department of Animal Science, Faculty of Agriculture	Aug 2012 to date
	2. AS 567 Topics in Animal Breeding	Department of Animal Science, Faculty of Agriculture	Aug 2012 to date
	3. AS 558 Advanced Animal Breeding	Department of Animal Science, Faculty of Agriculture	Jan 2013 to date
	4. AS 566 Directed Studies in Animal Breeding	Department of Animal Science, Faculty of Agriculture	Jan 2013 to date
	5. AS 568 Quantitative Genetics 2	Department of Animal Science, Faculty of Agriculture	Jan 2013 to date

(iii) Supervision of Postgraduate Students

	Name of student	Research topic	Degree	Academic year
1	Ayizanga, Raphael Aloe	Phenotypic characterisation and genetic diversity study of the local pig of Ghana	PhD	2013 - 2016
2	Mujyambere Valentin	Indigenous chicken in Rwanda: their potential and strategies for improvement	PhD	2018 - 2022
3	Christian Asumah	Effect of thermoregulatory genes on protein synthesis and degradation and antioxidants activities in local chickens of Ghana under high ambient temperature conditions	PhD	2020-2024
4	Bertha Amankwah	Selection models for some economic traits in Ghanaian Guinea Fowls	PhD	2020-2024
5	Lydia Asare	Crossbreeding strategies to improve egg production in Japanese Quails	PhD	2020-2024
6	Alex Addo	Breeding strategies to improve growth performance of the Ghanaian local Turkeys	PhD	2020-2024
7	Aboagye Poku, Ricky	Frizzle feathers: Pterylosis and separation of chicks from normal feathering chicks within the first week of hatch	MPhil	2012 -2016
8	Mensah, Paul	Qualitative mutant traits within the population of local chickens in Ghana	MPhil	2013-2016
9	Agyekum, Harriet Osei Sarpong	Strains of layers raised in Ghana and the performance of the most dominant strain	MPhil	2013-2016
10	Kanasuah, Dawolor	Effects of naked neck and frizzle genes, storage duration, storage temperature, vegetable oil application and their interactions on quality	MPhil	2014-2016

		characteristics, proximate composition and amino acid profile of eggs from local-exotic crossbreds		
11	Raymond Teye Bineadeo	Effects of naked neck and feed withdrawal on the performance of broiler chickens	Mphil	2015-2018
12	Anane, Ishmael Owusu	Effect of feed restriction on poultry meat and eggs production under humid-tropical conditions	MPhil	2015-2017
13	Maureen Mamle Azu	Effect of naked neck gene on the performance of broiler chickens	MPhil	2016-2018
14	Valerie Amexo	Effect of naked neck gene and thermal conditioning on the performance of broiler chickens	MPhil	2016- 2019
15	Gloria Gakpetor	Performance of two egg-type chicken line developed in Ghana	MPhil	2016- 2019
16	Robert Tohoun	Effect of different incubational temperatures on fertility and hatchability of egg from naked neck birds	MPhil	2017-2019
17	Selorm Sovi	Molecular Genotyping of naked neck and frizzle birds from different ecological zones in Ghana	MPhil	2019 - 2021

(iv) Supervision of Undergraduate Students

Over fifty BSc. Agriculture Students (Regular and IDL) and BSc. Agricultural Biotechnology students have been supervised by me within a period of ten years (2011-2021)

WORK EXPERIENCE/POSITIONS OUTSIDE THE UNIVERSITY

ORGANIZATION : Ghana Society of Animal Production (GSAP)

DATE : 2019 – Date

POSITION : Vice President

DUTIES :

- Day to day management of the association
- Recruitment of new members
- Coordination of programmes
- Organization of conferences

ORGANIZATION : University of Cape Coast (UCC)

DATE : 2018 – Date

POSITION : External Examiner

DUTIES :

- Assessment of Examination Questions and Marking Schemes
- Assessment of Students' marked scripts and computation of marks

- Assessment of undergraduate dissertation
- Assessment of postgraduate thesis

ORGANIZATION : **Food and Agricultural Organization (FAO) of the United Nations (UN)**
DATE : September 2018 – December 2018
POSITION : National Consultant
DUTIES :

- Nationwide poultry value chain profiling
- Detailed assessment of the Ghanaian broiler industry
- Provision of a model for nationwide broiler production

ORGANIZATION : **Ghana Poultry Project (GPP)**
DATE : 2016 - 2018
POSITION : Consultant
DUTIES :

- Designing Scientific Demonstrations
- Supervision of Scientific Demonstrations
- Data analysis and submission of report on Scientific Demonstrations
- Provision of Technical Backstopping during information dissemination on Scientific Demonstrations

ORGANIZATION : **Ghana Poultry Project (GPP)**
DATE : March 2018 – September, 2018
POSITION : Consultant
DUTIES :

- Designing sensitization materials to help poultry farmers use testing facilities
- Development of standard presentations that will be used by District Veterinary Officers to train farmers on how to use testing facilities
- Development of Laboratory Directory for poultry farmers
- Provision of Technical Backstopping at various workshops to help farmers use testing facilities

ORGANIZATION : **Akate Farms and Trading Co. Ltd.**
DATE : 2009 – 2017
POSITION : Poultry Breeding Consultant
DUTIES :

- Supervision Research Assistants
- Designing research activities
- Writing monthly reports
- Presentation of research results to the organization

ORGANIZATION : **Council for Technical and Vocational Education Training (COTVET) and Skill Development Fund (SDF) Projects at KNUST**
DATE : 2013, 2015-2018

<i>POSITION</i>	:	Consultant
<i>DUTIES</i>	:	<ul style="list-style-type: none"> • Training Poultry Farmers on biosecurity • Training on increasing productivity through effective management practices

PRESENTATIONS AT SYMPOSIA/SEMINARS

- **Access and benefits sharing for the local poultry conservation and value development in West Africa** – Presented at a workshop for poultry value chain actors in West Africa, organized by the African Union International Bureau for Animal Resources at Miklin Hotel, Accra, Ghana, March 15-19, 2021
- **Performance of broiler chicks from various hatcheries in Ghana** – Presented at Miklin Hotel in Kumasi at a Seminar organized by Ghana Poultry Project (GPP) under the auspices of USDA for Poultry Farmers in February 2020
- **Effect of pelleted feed on growth performance and carcass characteristics of broilers** - Presented at Miklin Hotel in Kumasi at a Seminar organized by Ghana Poultry Project (GPP) under the auspices of USDA for Poultry Farmers in February 2020
- **Development of climate-smart chickens** – Presented at AGRA Building in KNUST at a Symposium jointly organized by GPP and KNUST for all Hatchery Operators in Ghana in July 2019
- **Poultry Breeder Production and Management** – Presented at AGRA Building in KNUST at a Symposium jointly organized by GPP and KNUST for all Hatchery Operators in Ghana in July 2019
- **Biosecurity in the Hatchery** – Presented at AGRA Building in KNUST at a Symposium jointly organized by GPP and KNUST for all Hatchery Operators in Ghana in July 2019
- **Biosecurity in Poultry Farms**– Presented in nine regions of Ghana at different times at a Seminar organized by the Ghana National Association of Poultry Farmers with funding from the Skill Development Fund (SDF) between 2015 and 2017.
- **Poultry Housing** - Presented in nine regions of Ghana at different times at a Seminar organized by the Ghana National Association of Poultry Farmers with funding from the Skill Development Fund (SDF) between 2015 and 2017.
- **Enhancing poultry productivity through effective management** - Presented in nine regions of Ghana at different times at a Seminar organized by the Ghana National Association of Poultry Farmers with funding from the Skill Development Fund (SDF) between 2015 and 2017.
- **Marketing of poultry and its products** - Presented in nine regions of Ghana at different times at a Seminar organized by the Ghana National Association of Poultry Farmers with funding from the Skill Development Fund (SDF) between 2015 and 2017.

TRAINING WORKSHOPS ORGANIZED

- July 2019: First KNUST National Hatchery Workshop under the theme: Best management practices in hatchery operations. Held at the AGRA Building, Faculty of Agriculture, KNUST, July 8-12, 2019. Role: Organizer and Trainer.
- July 2020: Training of trainers (ToT) workshop on the use of a newly developed modules to train rabbit farmers. Held at the Lecture Theatre, Faculty of Agriculture, KNUST, July 22-24, 2020. Role: Organizer and Trainer
- August 2020: Training of rabbit farmers in a newly developed modules in rabbit production. Held at the Lecture Theatre, Faculty of Agriculture, KNUST, August 12-21, 2020. Role: Organizer and Trainer.
- March 2021: Second KNUST National Hatchery Workshop under the theme: Bridging the gap in chick quality to increase saleable chick numbers. Held at the AGRA Building, Faculty of Agriculture, KNUST, March 22-26, 2021. Role: Organizer and Trainer.

PRESENTATION AT CONFERENCES

DATE	CONFERENCE	PAPER PRESENTED
August 2022	26th World's Poultry Congress, Paris, France.	Adomako, K. , Sovi, S., Hamidu, J. A. and Olympio, O. S. (2022). Does the presence of single genes such as naked neck (Na) and frizzle (F) significantly affect the overall genetics of chicken?
July 2019	7 TH All African Conference on Animal Agriculture (7th AACAA), International Conference Centre, Accra, Ghana (Abstr.)	Kwarteng, E., Adomako, K. , Hamidu, J. A. and Olympio, O. S. (2019). Components of the total cost of production in poultry: A case study in Kwabre and Atwima Nwabiagya Districts of Ashanti Region
June 2018	World Congress on Genetics Applied to Livestock Production, Aotea Centre, Auckland, New Zealand	Aggrey, S. E., Habashy, W. S., Milfort, M. C., Adomako, K., Fuller, A. L. and Rekaya, R. (2018). Molecular and cellular mechanisms that underlie genes and antioxidant enzyme activities in meat-type birds during heat stress
August 2017	20 th Biennial Conference of the Ghana Society of Animal Production, University of Cape Coast, Ghana.	Aboagye Poku, R., Adomako, K., Olympio, O. S. and Hamidu, J. A. (2017). The effect of frizzle gene on the pterylosis of local-crossbred chickens

Sept. 2016	25th World's Poultry Congress, Beijing, China.4-0011. (Abstr.)	Adomako, K. , W. S. Habashy, M. Milfort, A. Fuller, R. Rekaya, and S. E. Aggrey. (2016). Transcriptome analysis of genes in the protein biosynthesis and ubiquitin-proteasome pathways in meat-type chickens under heat stress.
August 2015	19 th Biennial Conference of the Ghana Society of Animal Production, University of Cape Coast, Ghana.	Djan-Fordjour, H., Hamidu, J. A., Adomako, K. and Olympio, O. S. (2015). Increasing broiler production through incubation and specialist intervention.
August 2015	19 th Biennial Conference of the Ghana Society of Animal Production, University of Cape Coast, Ghana	Addo, A., Hamidu, J. A., Adomako, K. , Olympio, O. S. and Aboagye-Poku, R. (2015). Impact of egg storage on hatchability in naked neck chickens.
August 2015	19 th Biennial Conference of the Ghana Society of Animal Production, University of Cape Coast, Ghana	Adomako, K. , Anane, O.I., Akwetey, W. Y. and Hamidu, J. A. (2015). The influence of naked neck and frizzle genes on carcass characteristics and proximate composition of local-exotic crossbred chickens.
July 2015	Poultry Science Association, 104 th Annual Meeting, Louisville, Kentucky, U.S.A.	Aboagye Poku, R., Adomako, K. , Hamidu, J. A. and Olympio, O.S. (2015). Separation of frizzle chicks from their normal feathered counterparts within the first week of hatch.
August 2014	32 nd Biennial Conference of Ghana Animal Science Association, Tamale, Ghana	Anane, I. O., K. Adomako , J. A. Hamidu, W. Y. Akwetey, and O. S. Olympio. 2014. Effects of naked neck and frizzle genes on the meat quality of local-exotic crossbred chickens.
August 2014	32 nd Biennial Conference of Ghana Animal Science Association, Tamale, Ghana	Hamidu, J.A, V. Kyeiwaa, D. Bobie-Ansah, C. A. Brown, C. C. Atuahene, and K. Adomako . 2014. Effect of feed withdrawal timing on broiler carcass yield.
August 2014	32 nd Biennial Conference of Ghana Animal Science Association, Tamale, Ghana	Awal, S. A., K. Adomako , J. A. Hamidu, and O. S. Olympio, 2014. Egg quality characteristics of Lohmann brown classic and Lohmann LSL classic layers.
August 2014	32 nd Biennial Conference of Ghana Animal Science Association, Tamale, Ghana	Agbenorhevi, B. J., J. A. Hamidu, K. Adomako , and O. S. Olympio. 2014. Hatchery conditions affecting chicken egg hatching performance.
August 2014	32 nd Biennial Conference of Ghana Animal Science	Hamidu, J. A., K. Adomako , J. M. Senanu, J. B. Frimpong, and F. R. K. Bonsu. 2014. Comparative

	Association, Tamale, Ghana	analysis of local and foreign hatched day old broiler chicks in Ghana.
July 2014	Poultry Science Association, Annual Meeting, Texas A&M University, Corpus Christi, Texas, U.S.A.	Adomako, K. D. Addison, J. A. Hamidu, and O. S. Olympio. 2014. Pterylosis of the dorsal, ventral and lateral tracts of naked neck, frizzled, and normal feathered birds.
July 2014	Poultry Science Association, Annual Meeting, Texas A&M University, Corpus Christi, Texas, U.S.A.	Ansah, A. Y., J. A. Hamidu, K. Adomako , and A. Addo. 2014. The effects of egg storage conditions on egg and blastoderm quality in naked neck birds.
July 2013	18 th Biennial Conference of the Ghana Society of Animal Production, University of Ghana, Legon, Ghana	Adomako, K. , Olympio, O.S., Hamidu, J.A., Akortsu, F.D., Aboagye Poku, R. and Djang-Fordjour, H. (2013). Effects of Genotype and Feather Colour on Egg Quality Traits of Local-Exotic Crossbreds.
July 2013	18 th Biennial Conference of the Ghana Society of Animal Production, University of Ghana, Legon, Ghana	Adomako, K. , Olympio, O.S. and Hagan, J. K. (2013). Growth Performance of Crossbred Frizzle (FF, Ff) and Normal Feathered (ff) Cockerels.
July 2013	18 th Biennial Conference of the Ghana Society of Animal Production, University of Ghana, Legon, Ghana	Addison, D., Olympio, O. S., Adomako, K. , Hamidu, J.A., Aboagye Poku, R. and Djang-Fordjour, H. (2013). The Effect of Three Different Feather Genotypes on the Laying Performance of Two Lines of Layer Parents.
July 2013	18 th Biennial Conference of the Ghana Society of Animal Production, University of Ghana, Legon, Ghana	Dunga, G. T., Olympio, O. S., Adomako, K. , Hamidu, J.A., Aboagye Poku, R. (2013). The Effect of the Naked neck (<i>Na</i>) and Frizzling (<i>F</i>) Genes on the Feather Arrangement of Chickens.
August 2012	31 st Biennial Conference of the Ghana Animal Science Association, ARI, Accra, Ghana	Adomako, K. , Olympio O. S. and Hagan, J. K. (2012). Egg Production Performance of Frizzle and Normal feathered Crossbred Pullets.
August 2012	31 st Biennial Conference of the Ghana Animal Science Association, ARI, Accra, Ghana	Adomako, K. , Hagan, J. K. and Olympio O. S. (2012). Growth Performance of Crossbred Naked neck and Normal feathered Cockerels.

TRAINING PROGRAMMES/WORKSHOPS ATTENDED

- August 2018: Training on Improving Quality of Higher Education Through Effective Measurement and Evaluation. KNUST Eighth Summer School which was held at the Great Hall, KNUST
- July 2018: Training on research grant proposals organised by KNUST Office of Grants and Research (OGR) and WABER Conference at IDL Conference Hall, KNUST, Kumasi
- Sept. 2017: Full proposal consultative meeting on the “*development of climate-smart chickens*” with animal breeding and molecular science experts from Aarhus University, Denmark and the University of Georgia, USA.
- August 2017: Training on Technology, Manpower Training and Development. Seventh Edition of the KNUST Summer School which was held in August 2017 at the Great Hall, KNUST, Kumasi.
- March 2016: Attended a workshop for Borlaug Fellows on how to make impact after Borlaug Fellowship, which was held in the ICIL Building, KNUST, Kumasi.
- Nov. 2015, Training in the running of PCR and RT-PCR. Nutrigenomics Laboratory, Department of Poultry Science, University of Georgia, USA.
- Oct 2015, Training in the use of various methods to isolate DNA from chicken blood. Nutrigenomics Laboratory, Department of Poultry Science, University of Georgia, USA.
- Oct 2015, Training in RNA extraction from various tissues of chicken and construction of complimentary DNA. Nutrigenomics Laboratory, Department of Poultry Science, University of Georgia, USA.
- Sept 2015, Training in sampling of chicken tissues such as the hypothalamus, *Pectoralis major and minor*, kidney, liver, ileum and duodenum. Poultry Research Centre, Department of Poultry Science, University of Georgia, USA.
- April 2013, Further training in poultry production and management: nutrition and veterinary aspects. Organized by the Israel Agency for International Development (MASHAV) and held at the Faculty of Agriculture of the Hebrew University of Jerusalem at Rehovolt, Israel.
- Sept 2012 Crop-Livestock Integration, a training programme organized by the International Livestock Research Institute (ILRI) in Collaboration with the Animal Research Institute (ARI) in Tamale, 19th to 22nd September, 2012

EXTERNAL ASSESSMENT OF THESIS

INSTITUTION	DATE	THESIS TITLE	DEGREE
University of Cape Coast (UCC)	JUNE-JULY 2017	<i>The effect of a 3x3 full diallel crossing on the growth and reproductive performance of three rabbit breeds reared under warm and humid environments in Ghana</i>	MPHIL
University of Cape Coast (UCC)	SEPTEMBER-OCTOBER 2017	<i>Response of cobb 500 broiler birds fed maize-soyabean meal basal diet supplemented with lysine and methionine on growth performance and carcass parameters</i>	MPHIL
University of Cape Coast (UCC)	JULY – AUGUST 2018	<i>Assessment of growth performance and carcass characteristics of broiler guinea fowls (<i>numida meleagris</i>) fed diets containing varying levels of RE3TM probiotics</i>	MPHIL
University of Education, Winneba (UEW)	JULY - AUGUST 2020	<i>Relative Economic Value of Traits in the Guinea Fowl (<i>Numida meleagris</i>)</i>	MPHIL
University of Cape Coast (UCC)	JULY-AUGUST 2020	<i>Characterization and Analysis of Factors Influencing the Performance Of The West African Dwarf Goat in Ghana</i>	PHD
University of Education, Winneba	AUGUST 2021	<i>Nutritional Management of Reproductive Wastage in Local Guinea Fowl (<i>Numida meleagris</i>) Using Different Levels of Moringa (<i>Moringa oleifera</i>) Leaf Meal</i>	PHD
University of Ghana	NOVEMBER 2021	<i>Genetic Analysis Of Local Chicken Ecotypes Of Ghana Challenged With Newcastle Disease Virus</i>	PHD
University of Ghana	NOVEMBER 2021	<i>Polymorphism of Selected Candidate Genes in Ghanaian Sheep Breeds</i>	MPHIL
University of Fort Hare, South Africa	DECEMBER 2021	<i>Effect of Pomegranate (<i>Punica granatum</i> L) peel powder meal on growth performance, gut integrity, haemato-biochemical indices, meat and bone quality of broiler chickens</i>	PHD
University of Ghana	JULY 2022	<i>Association Between Single Nucleotide Polymorphisms in Insulin-Like Growth Factor 1 and Insulin-Like Growth Factor 2 Genes and Growth Traits, and Survivability in Three Local Chicken Ecotypes Of Ghana</i>	PHD
Akenten Appiah-Menka University of Skills Training and Entrepreneurial Development	AUGUST 2022	<i>Growth Potential of Four (4) Local Chicken (<i>Gallus domesticus</i>) Genotypes in the Sagnarigu Municipality of Ghana</i>	MPHIL

University for Development Studies	SEPTEMBER 2022	<i>Ecosystems-Based Management Strategies for Sustainable Small Ruminant Production in Irrigated and Rain-Fed Landscapes in Northern Ghana</i>	PHD
------------------------------------	----------------	--	-----

MEMBERSHIP OF NATIONAL/INTERNATIONAL COMMITTEES

MEMBER, National Planning Committee for All African Conference on Animal Agriculture (7th AACAA) held at the International Conference Centre, Accra, Ghana in July, 2019. About 1000 African and International Participants attended the 7th AACAA.

MEMBER, National Planning Committee for a joint conference between Ghana Society of Animal Production and Ghana Animal Science Association to be held at the International Conference Centre, University for Development Studies, Tamale, Ghana in August 2021. About 700 Local and International Participants are expected to attend.

AWARDS

- Borlaug Fellowship Award (42, 000 US Dollars)- University of Georgia, USA (Sep.- Nov., 2015)
- MASHAV Training in Poultry Production and Management Scholarship- Hebrew University of Jerusalem, Israel (April-May, 2013)
- KNUST Staff Development Programme Scholarship- KNUST, Kumasi, Ghana (2005 - 2009)

GRANTS

- KNUST Research Fund (**GHS30, 000**). Development of climate-smart chickens: Molecular genotyping of naked neck and frizzle chickens. Principal Investigator (2019)
- Skill Development Fund (**GHS533, 800**). To develop innovative modules for rabbit production and management. Principal Investigator (2018 - 2019).
- Ghana Poultry Project (**GHS130, 000**). To retool the Nutrition Laboratory at the Department of Animal Science. Principal Investigator (2018 - 2019).
- A Team Member for **GHS30, 000** research grant received from KNUST Research Fund to conduct research on the “Assessing the impact of housing systems, arrival time and thermal manipulation of broiler chicks on broiler economy of production and wellbeing”. July 2020 – to date
- A Team Member for **GHS 562,452.00** research grant received from the Skill Development Fund to develop innovative modules to train hatchery operators in Ghana. December 2018 – August 2020.
- SDF-COTVET Consultancy (**GHS 700, 000**). To train poultry farmers in nine regions of Ghana. Team member (2015-2017).
- Grand Challenge Canada (Bold Idea with Bold Impacts): Promoting nutritious egg consumption in rural Ghana: A new paradigm in healthy childhood. Team member (KNUST-Kumasi, 2014, \$ **122,000 CAN**).
- SDF-COTVET Consultancy (**GHS 80, 000**). To train poultry farmers in two districts of Ghana. Team member (2013-2014, Ashanti Region, Ghana).
- BEST Canada Project (**CAD 77,262**). Effects of probiotics on the performance of poultry, pigs and sheep. Team member (2011-2012, KNUST, Kumasi, Ghana).

REVIEW OF ARTICLES AND EDITORIAL WORK

- **Editor**, Ghanaian Journal of Animal Science – 2017 to Date
- **Reviewer**, Ghanaian Journal of Animal Science – 2012 - Date
- **Reviewer**, Poultry Science (USA), The leading International Journal in Poultry Science – 2017 - Date

AFFILIATIONS

- World Poultry Science Association
- Ghana Society of Animal Production
- Ghana Animal Science Association
- Alumni, MASHAV Fellows (Israel)
- Alumni, KNUST (Ghana)
- Old Students Association, Prempeh College

SOME SELECTED PUBLICATIONS

1. Bineadeo, R. T., **Adomako, K.**, Olympio, O. S., Azu, M. M. and Frimpong, Y. O., Osei, A. and Ankamah, I. (2022). Effects of the naked neck phenotype and feed withdrawal on growth performance and carcass characteristics of F1 crossbred broilers from a cross between local naked neck males and Hubbard Flex 15 broiler females. *African Journal of Agricultural Research*, 18(8): 601-607. DOI: 10.5897/AJAR2022.16044
2. Asumah, C., **Adomako, K.**, Olympio, O. S., Hagan, B. A. and Yeboah, E. D. (2021). Influence of thermoregulatory (*Na & F*) genes on performance and blood parameters of F₂ and F₃ generations of crosses of local and commercial chickens. *Tropical Animal Health and Production* 54(4):207. DOI: [10.1007/s11250-022-03207-6](https://doi.org/10.1007/s11250-022-03207-6)
3. Mujiyambere, V., **Adomako, K.**, Olympio, O. S., Ntawubizi, M. Nyinawamwiza, L., Mahoro, J. and Conroy, A. (2021). Local chickens in East African region: their production and potential. *Poultry Science* 101(7):101547 DOI: [10.1016/j.psj.2021.101547](https://doi.org/10.1016/j.psj.2021.101547)
4. Addison, D., Olympio, O. S., **Adomako, K.**, Aryee, G. and Hamidu, J. A. (2020). The effect of three different feather genotypes on the laying performance of two lines of layer parents. *Livestock Research for Rural Development*, 32 (11), 2020.
5. Habashy, W. S., Milfort, M.C., **Adomako, K.**, Attia, Y. A., Rekaya, R. and Aggrey, S.E. (2017). Effect of heat stress on amino acid digestibility and transporters in meat-type chickens. *Poultry Science*, 96: 2312–2319. <http://dx.doi.org/10.3382/ps/pex027>
6. Aggrey, S. E., Habashy, W.S., Milfort, M. C., **Adomako, K.**, Fuller, A. L. and Rekaya, R. (2018). Molecular and cellular mechanisms that underlie genes and antioxidant enzyme activities in meat-type birds during heat stress. *Proceedings of the World Congress on Genetics Applied to Livestock Production*, 11. 600

7. **Adomako, K.**, Habashy, W.S., Milfort, M., Fuller, A., Rekaya, R. and Aggrey, S.E. (2016). Transcriptome analysis of genes in the protein biosynthesis and ubiquitin-proteosome pathways in meat-type chickens under heat stress. Proc. 25th World's Poultry Congress, Beijing, China.4-0011. (Abstract.)
8. Ayizanga R A, Kayang B B, **Adomako K**, Adenyo C, Inoue-Murayama M and Asamoah L. (2016). Genetic diversity of some Ghanaian pigs based on microsatellite markers. *Livestock Research for Rural Development*. 28 (24) <http://www.lrrd.org/lrrd28/2/ayiz28024.html>
9. **Adomako, K.**, olympio, O. S., Hamidu, J. A. and Hagan, J. K. (2018). Growth Performance and Carcass Characteristics of Crossbred Frizzle (*FF*, *Ff*) and Normal Feathered (*ff*) Cockerels. Ghanaian Journal of Animal Science, 9 (2): 16-25
10. Okunko, P. H., Hamidu, J. A., **Adomako, K.**, Boateng, E. K. and Ansong, M. (2018). Assessing Incubator and Breeder Flock Performance for Increased Hatch: Case of a Local Exotic Layer Breeder Flock. Ghanaian Journal of Animal Science, 9 (2): 26-32
11. Hamidu, J. A, **K. Adomako**, S. Adamu, A. M. Ajaottor, G. J. Amankwah, K. M. Gyasi, E. M. Shiburah, J. O. Darko, and L. A. Konadu. (2018). Impact of layer egg storage conditions on eggs and embryo quality indices prior to incubation *Livestock Research for Rural Development*. Volume 30, Article #184. <http://www.lrrd.org/lrrd30/11/jaham30184.html>.
12. Brown, C. A., J. A. Hamidu, **K. Adomako**, and M. A. Okai (2018). Effects of omega-3 fatty acids enrichment with flaxseed oil and egg storage duration on egg quality. *Livestock Research for Rural Development*. Volume 30 Article #184. <http://www.lrrd.org/lrrd30/3/jaha30045.html>.
13. Addo, A., Hamidu, J. A., Ansah, A. Y. and **Adomako, K.** (2018). Impact of egg storage duration and temperature on egg quality, fertility, hatchability and chick quality in naked neck chickens. *Int. J. Poult. Sci.*, 2018. DOI: 10.3923/ijps.2018. <http://docsdrive.com/pdfs/ansinet/ijps/0000/88390-88390.pdf>
14. Ayizanga, R. A., Kayang, B. B., **Adomako, K.** and Asamoah, L. (2018). Rural pig production systems and breeding preferences of pig farmers in Northern Ghana. Ghanaian Journal of Animal Science, 9 (1): 49-57.
15. **Hamidu, J. A.**, Agbehadzi, R. K., Amexo, V. E., Brown, C. A and **Adomako, K.** (2017). Optimizing feed withdrawal time to assess broiler stress and welfare. *International Journal of Research Studies in Agricultural Sciences*, 3 (2):1 - 5.
16. Djang-Fordjour, H., Hamidu, J. A. and **Adomako, K.** (2017). Assessing incubation and performance deficiencies to boost broiler production. *American Research Journal of Agriculture*, 3:1 - 6.
17. Hamidu, J.A, V. Kyeiwaa, D. Bobie-Ansah, C. A. Brown, C. C. Atuahene, and **K. Adomako**. (2015). Optimizing feed withdrawal in broiler effect of feed withdrawal timing on broiler carcass yield in the tropics. *American Research Journal of Agriculture* 1:7-15.
18. **K. Adomako**, O.S. Olympio, J.K. Hagan & J.A. Hamidu (2014). Growth performance of crossbred naked neck and normal feathered laying hens kept in tropical villages. *British Poultry Science Journal*, 55 (6): 701-708

19. **K. Adomako**, O.S. Olympio, J.K. Hagan & J.A. Hamidu (2014). Effect of the frizzle gene (*F*) on egg production and egg quality of laying hens kept in tropical villages. *British Poultry Science*, 55 (6): 709-714
20. Hamidu, J. A., **Adomako, K.**, Senanu, J. M., Frimpong, J. B. and Bonsu, F. R. K. (2014). Comparative analysis of local and foreign hatched day old chicks in Ghana. *Ghanaian Journal of Animal Science*. 8 (1): 71-78.

REFERENCES

Dr. O.S. Olympio
Senior Lecturer
Department of Animal Science
KNUST
+233 243 320886 / +233 208 168673

Prof. P.K. Karikari
Professor
Dairy / Beef Cattle Research Station
KNUST
+233 276 049430