**ABRIDGED CURRICULUM VITAE**

**NAME Christopher Antwi**

**ADDRESS** Department of Animal Science**,** Faculty of Agriculture, CANR, KNUST

**Academic Degrees & Date: PhD Animal Nutrition** (2010). Kwame Nkrumah University of Science and Technology (KNUST)

**BSc. Agriculture** (2003). Kwame Nkrumah University of Science and Technology (KNUST)

**Academic Award**

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| --- | --- | --- | --- |
| **Institution** | **Fellowship** | **Date** | **Field** |
| 1. University of California,   Davis, USA | Borlaug | Oct 2012 | GHG from animal agriculture |
| 1. Grassland Research Centre, AgResearch, Palmerston North, New Zealand | Livestock Emissions and Abatement Research Network (LEARN) | Jul 2013 | GHG from animal agriculture |

**Academic Rank** Lecturer (2010 -2015

Senior Lecturer (2015-Date)

# Subject taught Undergraduate - 7 courses

# Postgraduate - 2

# Students supervised Undergraduate – 16

# MPhils -3

# PhDs - 2

## Other Professionally Related Experience

**Administrative**

2020- Date **Visiting Scholar**, Isa Lille University, France

* 1. **Vice Dean**, Faculty of Agriculture
  2. **Head of Department**, Animal Science

2018-Date **Coordinator**, BSc. Agric Programme, Inst. of Dist. Learning

2017-Date **Coordinator**, Faculty of Agriculture/ Isa Lille, France Student/ Staff Exchange Programme

2015-2017 **Faculty** Exams Officer

2014 **Lead** **Technical** **Trainer on SF6 techniques** for greenhouse gas measurement from animal agriculture

# RESEARCH EXPERIENCE/ DETAILS OF RESEARCH OR PROJECTS UNDERTAKEN

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## Selected Research conducted

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| 1. Direct fed microbials on growth performance, haematology, blood biochemistry and immunology of sheep |
| 1. Greenhouse gas measurement techniques in estimating methane and carbon dioxide emissions by heifers fed alfalfa silage at three allowances and four feeding frequencies |
| 1. Livestock as an intermediary host for the transmission of coronaviruses |

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## RESEARCH & Development GRANTS Attracted (Total Amount) –

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| --- | --- |
| **Project Name & date** | **Project Description** |
| **2019-Date**  **Project Team Member**, KNUST-ENI Ghana Exploration and Production Limited’s Youth Capacity Building in Agriculture, Dormaa Ahenkro, Brong Ahafo Region.  **USD 2.64m** | The project aims at building the production and post-harvest management capacities as well as the identification of businesses along the agricultural value chain for 800 youth in the Bono Region. |
| **2016-2019**  Team Leader, German- African Co-oporation Projects in Infectology; Coronavirus as a paradigm for the transmission interface between wildlife, livestock and humans.  € **154,000** | The study was on an emerging zoonotic disease-causing organisms, coronaviruses (CoV) which are known to cause several mild respiratory diseases in livestock, wildlife and humans. It focused on the likelihood that livestock can be intermediary host for the transmission of COVs. |
| **2016- 2017**  Consultant, Potential use of bamboo leaves as feed for livestock. Funding Agency:International Network for Bamboo and Rattan;  **€ 6,866.07** | The study sought to undertake a feeding trial on sheep feed an unconventional bamboo leaves to establish its acceptability and applicability. |
| **2016 - 2018.**  **Team Leader**, Livestock feeding component of the **GHC 1.3m** Skills Development Fund (SDF-COTVET) Project on Improving safety and profitability of indigenous processed dairy and meat products through skills training  **$311,000.00** | The grant was received to provide a platform for the training of milk producers and processors; and butchers and meat processors to produce safe and value-added dairy and meat products to urban and rural dwellers. |
| **Mar 2015.**  **Consultant,** AusAID - CORAF Crop-Livestock Project, **GHȼ 23,330.00**, to establish communal livestock grazing system | The consultancy aimed at establishing a communal livestock grazing system at Attebubu in the Bono Region |
| **Feb 2014**  **Principal Investigator** of **USD** **44, 000** collaborative research involving Ghana, Nigeria and Uganda on “Unlocking the potential of Bambara groundnut towards food security and improved livelihoods”. Funding Agency: International Foundation for Science.  **USD** **44, 000** | The project sought to strengthen and enhance the utilization of neglected crop “bambara groundnut” towards improving food security, nutrition and livelihoods of small holding farming communities. |
| **Mar 2014**  Consultant, Livestock component of the Department of Foreign Affairs and Trade, (DFAT) Innovation Platform 1- year no cost extension grant. **Funding Agency**: DFAT, Australia,  **GH¢ 50,000** | A survey was conducted with cowpea farmers who double in livestock raising to ascertain the effect of different insecticide spraying regimes on cowpea yield as well as the levels of pesticides residues in the haulm of cowpea and tissue of small ruminants fed haulm of cowpea |
| **Jan 2012.**  **Principal Investigator** of collaborative research on “the effect of direct fed microbials on livestock production. **Funding Agency**: BEST Environment Technologies Project, Canada  **CAD 77,262** | The research examined the effect of probiotics namely, rumen enhancer three (RE3), Paenibacillus polymyxa (PP), and fermentation products of RE3 (RE3™ Plus) on the immunological responses, gastrointestinal microbial profiles haematological profiles and growth performances of neonatal lambs and piglets and chickens. |
| **Aug 2011.**  **Team leader** - Livestock component of an AusAID Project on Crop-livestock Integration involving Ghana, Mali, The Gambia and Benin. **Funding Agency**: DFAT, Australia  **USD 1.2m** | The project sought to develop and strengthen the crop –sheep and goats value chain in the sub-humid tropics of Ghana and Benin and semi-arid regions of Gambia and Mali, to increase agricultural productivity for poverty reduction and enhanced food security |

**PUBLICATION RECORD**

I have over thirty-three (33) publications in reputable international and local journals. Twenty (20) of the publications are referred journal articles indexed in Scopus, Google Scholar eleven (11) refereed international and local conference proceedings most of which are indexed in Google Scholar, one (1) book chapter, one (1) manual.

## JOURNALS IN WHICH PAPERS ARE PUBLISHED

1. *Translational Animal Science*
2. *Journal of Animal Science*
3. *Animal*
4. *Animal Production Science*
5. *Biomedical Journal of Scientific & Technical Research*
6. *Agriculture and Food Science Technology*
7. *Scientific Africa*
8. *Ghana Journal of Agricultural Science*
9. *Tropical Medicine and Infectious Disease*

**VISIBILITY**

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| **Citation** | **Indexing authority & Link** |
| 89, h-index = 6;  i10-index = 4 | Google Scholar  <https://scholar.google.com/citations?user=GZQVYscAAAAJ&hl=en> |
| 46, h-index =4 | Scopus https://www.scopus.com/authid/detail.uri?authorId=55781844700 |

## SELECTED SERVICE TO UNIVERSITY, NATIONAL & INTERNATIONAL COMMUNITIES

**Member**, University Disciplinary & other committees

**Assessor**, Local and International grant awarding institutions (Royal Society, UK; DFID-CIRCLE, Africa Academy of Sciences etc.)

**Reviewer**, Local & International Journals

**Coordinator**, Distance Learning Programmes

**Developer**, Academic curricula for distance learning

**Guest Speaker,** International & Local Conferences

**Ghana Representative**, Livestock Research Group, Global Research Alliance on Agriculture and Greenhouse Alliance

**MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS**

Global Research Alliance (GRA) on GHG mitigation – Livestock Research Group; Livestock Emission and Abatement Research Network (LEARN);

Ghana Society of Animal Production (GSAP);

Ghana Science Association;

Ghana Young Academy