

## **CURRICULUM VITAE FOR PETER ASIEDU (Ph.D)**

Full Name Peter Asiedu  
Current Address University of Energy and Natural Resources  
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### **ACADEMIC QUALIFICATIONS:**

- (a) UNIVERSITY OF CAPE COAST, CAPE COAST  
DOCTOR OF PHILOSOPHY IN ANIMAL SCIENCE (ANIMAL NUTRITION).  
FROM AUGUST, 2016 TO MARCH, 2020
- (b) KWAME NKRUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY MASTER  
OF PHILOSOPHY IN ANIMAL SCIENCE (ANIMAL NUTRITION).  
FROM SEPTEMBER 2007 TO JUNE, 2009
- (c) KWAME NKRUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY  
BACHELOR OF SCIENCE IN AGRICULTURE (ANIMAL SCIENCE OPTION),  
FROM AUGUST, 2001 TO JUNE, 2005
- (d) MANYA KROBO SENIOR HIGH SCHOOL  
SENIOR SECONDARY SCHOOL CERTIFICATE EXAMINATION.  
FROM SEPTEMBER 1994 TO JUNE 1997

### **EMPLOYMENT/WORKING EXPERIENCE/RESPONSIBILITY**

1

| <b>Organisation</b>                           | <b>Dates Worked</b>  | <b>Position Held</b>            |
|---|--|---------------------------------|
| UNIVERSITY OF ENERGY AND<br>NATURAL RESOURCES | 28 <sup>TH</sup> MAY, 2021 TO<br>DATE                            | LECTURER                        |
| CSIR-ANIMAL RESEARCH<br>INSTITUTE             | JANUARY, 2015 TO<br>25 <sup>TH</sup> MAY, 2021                   | SENIOR RESEARCH<br>SCIENTIST    |
| CSIR-ANIMAL RESEARCH<br>INSTITUTE             | 9 <sup>TH</sup> JULY, 2010 TO 31 <sup>ST</sup><br>DECEMBER, 2008 | RESEARCH SCIENTIST              |
| CSIR-ANIMAL RESEARCH<br>INSTITUTE             | 1 <sup>ST</sup> JANUARY, 2009 TO<br>10 <sup>TH</sup> JULY, 2010  | ASSISTANT RESEARCH<br>SCIENTIST |

|                                  |                               |   |
|----------------------------------|-------------------------------|---|
| MINISTRY OF FOOD AND AGRICULTURE | SEPTEMBER, 2005 TO JULY, 2006 | FINANCIAL SECRETARY, ATWIMA MPONUA-KUMASI |
|                                  |                               |   |

### SUPERVISION OF UNDERGRADUATE STUDENTS

**2017-2018: Co-supervised Ms Irene Love Amoah** A BSc. student in the Department of Animal Science, University of Ghana, Accra, Ghana. Dissertation topic: Effect of Formaldehyde Treatment on Bacteria-Infected Hatching Eggs of *Gallus Gallus Domesticus* Linnaeus.

**2020-2021: Supervised Mr. Frimpong Andrews** A BSc. student in the Department of Animal Production and Health, University for Energy and Natural Resources, Sunyani, Ghana. Dissertation topic: Challenges and Prospects of Pig Production in the Dormaa Central Municipality of Ghana

**2020-2021: Supervised Mr. Abdul-Gafaru Adam** A BSc. student in the Department of Animal Production and Health, University for Energy and Natural Resources, Sunyani, Ghana. Dissertation topic: The Role of Veterinary Services in Guinea Fowl Production in Savelugu Municipality

**2020-2021: Supervised Ms. Evangeline Igbokwe** A BSc. student in the Department of Animal Science, University for Energy and Natural Resources, Sunyani, Ghana. Dissertation topic: Cursor state of Local Birds in Adugyama District in Ahafo Ano-South East Ashanti Region

## PUBLICATIONS:

### 1. Refereed Journal Papers:

1. G.Z. Bumbie, T.N.N Nortey, P. **Asiedu**, A. Naazie, K.O. Amoah, S.W.A. Rhule, and Z. Tang (2021). Influence of Corn Cobs Inclusion in Pig Diets on Growth Performance and Carcass Characteristics. *International Journal of Scientific Engineering and Applied Science*, 7 (2) 123-137. [www.ijseas.com](http://www.ijseas.com).
2. I-L. B. Amoah, P. **Asiedu**, C. T. Arthur And I. F. Aboagye\* (2020). Effect of Formaldehyde Treatment on Bacteria-Infected Hatching Eggs of *Gallus Gallus Domesticus* Linnaeus, 1758. *Ghana J. Sci.* **61** (2), 2020, 82 - 90
3. D.Y. Osei, S.O. Apori, J.K. Hagan and P. **Asiedu** (2019). Current status of rabbit keeping in the coastal savannah agro-ecological zone of Ghana. *Ghanaian Journal of Animal Science*, 10 (1): 67-74.
4. D.Y. Osei, S.O. Apori, J.K. Hagan and **Asiedu, P.** (2019). Feeds and Forages fed to Rabbits in the Coastal Savannah Ecological Zone of Ghana. *Ghanaian Journal of Animal Science*, 10(1): 23-32
5. K. O. Amoah, J. K. Nyameasem, P. **Asiedu**, G. A. Adu-Aboagye, P Wallace, K.M.J. Ahiagbe and S. W. A. Rhule (2018). Protein and energy requirement for indigenous guinea keets (*Numida Meleagris*) in southern Ghana. *Ghana Journal of Agricultural Science* 52: 105 -111.
6. K. O. Amoah, P. **Asiedu**, P. Wallace, G. Z. Bumbie and S. W. A Rhule (2017). The performance of pigs at different phases of growth on sun-dried brewers spent grain. *Livestock Research for Rural Development*, Volume 29, Article No. Number 5.
7. B. A Hagan, P. **Asiedu**, S Salifu and S.P. Konlan (2016). The Economic Value of Genetic Improvement of The Ashanti Black Pig to The Ghanaian Pig Industry. *Bulletin of Animal Health and Production in Africa*: 64: 241-252.
8. P. A. Wallace, K. O. Amoah, P. **Asiedu**, D. Y. Osei, E. K. Adu, and N. Karbo (2014). Impact of Rumen Enhancer 3 (Re 3) as a Feed Additive on Lipid, Biochemical and Histopathological Profile of Rabbits Reared under Tropical Conditions. *Ghanaian Journal of Animal Science* 8 (1): 59 – 65.
9. P. **Asiedu**, K. O. Amoah, S. W. A. Rhule, P. Wallace, and G. Z. Bumbie (2014). Response of Grower-Finisher Pigs to Diets with Graded Levels of *Gliricidia* Leaf Meal (GLM). *Journal of Ghana Science Association* 15 (2): 111 – 118.

10. **P. Asiedu**, K. O. Amoah, S. W. A. Rhule, and D.B. Okai (2013). The Responses of Primiparous Sows and their Offsprings to Diets Containing Some Selected AgroIndustrial By-Products (AIBPs). *Ghanaian Journal of Animal Science* 7 (1): 60 – 68.
11. K. O. Amoah, **P. Asiedu**, S. W. A. Rhule, P. Wallace, and G. Z. Bumbie (2013). Influence of Preservation Methods of Brewers Spent Grain on the Growth and Carcass Characteristics of Grower-Finisher Pigs. *Ghana Journal of Animal Science* 7 (2): 20 – 25.
12. S. W. A. Rhule and **P. Asiedu** (2012). The Requirements of Crude Protein by Large White Breeding Sows and Piglets in Ghana. *Online Journal of Animal and Feed Research* 2 (4): 378 – 383
13. H. K. Zanu, **P. Asiedu**, M. Tampuor, M. Abada, and I. Asante (2012). Possibilities of Using Moringa (*Moringa Oleifera*) Leaf Meal as a Partial Substitute for Fishmeal in Broiler Chickens Diets. *Online Journal of Animal and Feed Research* 2 (1): 70 – 75.
14. P. A. Wallace, D. Y. Osei, **P. Asiedu**, K. O. Amoah, and A. Asafu-Adjaye (2012). Influence of the Probiotic, RE3 on Nutritional Performance, Heamatological, Immune Status and Carcass Characteristics of Rabbit Raised under Tropical Conditions. *Online Journal of Animal and Feed Research* 2 (5): 450 – 456.
15. S.W.A. Rhule, **P. Asiedu**, G.Y. Ameleke, R.Y. Baiden, E.T. Sottie, and H. R. Otsyina (2012). Preliminary on–Station Study of Growth Performance of Grower Pigs on Ensiled Cassava Pulp and Dried Cassava Leaves. *Online Journal of Animal and Feed Research* 2 (3): 328 – 331.
16. S.W.A Rhule, **P. Asiedu**, R.Y Baiden, G.Y Ameleke, E.T Sottie, and H.R Otsyina. (2012) Growth Rate and Carcass Characteristics of Large White Pigs fed on Ensiled Cassava Pulp Diets. *Online Journal of Animal and Feed Research* 2 (4): 328 – 331.

## Conference papers

1. **P. Asiedu**, E.K. Adu, F.N.A. Odoi, P. Wallace, A.A. Prah A. A and D.Y. Osei (2021). Quantities of hatchery waste generated, handling and disposal practices of selected hatcheries in the Greater Accra Region of Ghana. Proceedings of the 1<sup>st</sup> Joint GSAP/GASA conference, University for Development Studies, Tamale, 24<sup>th</sup> – 27<sup>th</sup> , August, 2021. Pp 542 to 552.
2. **P. Asiedu**, F.N.A. Odoi, P. Wallace, A. A Prah and Bumbie G. Z (2019). Impart of Hatchery Waste Meal on Growth performance, Carcass and Cost-Benefits Analysis of Grower-Finisher pigs. 8<sup>th</sup> ASAN-NIAS Joint Annual Meeting (JAM /International Conference, September 8-12, 2019. Pp 187-189.
3. **P. Asiedu** and S. W. A Rhule (2011). The Cumulative Effects of Long-Term Feeding of Diets with Cocoa By- Products on the Reproductive Performance of Large White Breeding Sows. Proceeding of the 27<sup>th</sup> Biennial conference. Ghana Science Association (GSA), Theme: Promoting the Development of Agro – Processing Industries to Enhance Value Addition for Local and Export Market: The Role of Science Technology. Venue: Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, (10<sup>th</sup> – 15<sup>th</sup> July 2011) Pp. 45

## Technical reports

1. P. A. Wallace, K. O. Amoah, **P. Asiedu**, D. Y. Osei, A. Asafu-Adjaye, (2013). The effect of direct-fed microbial (RE3<sup>®</sup>) on milk production and body characteristics of dairy cattle in the tropics. Report submitted to CSIR - Animal Research Institute. Institute # SCIR/ARI/TR/13/01.
2. D. Y. Osei, P. A. Wallace, **P. Aseidu**, K. O. Amoah and A. Asafu-Adjaye (2012). The Effect of RE 3 (Direct-Fed Microbial) on Immune Status, Blood Chemistry, Growth and Reproductive Performance of Rabbits (*Oryctolagus Cuniculas*. Report submitted to CSIR-Animal Research Institute. Institute # SCIR/ARI/TR/13/02.

3. S.W.A Rhule, **P. Asiedu**, K. O. Amoah, and P. Wallace (2012). New Products Development with Root and Tuber Crops and Their By-Products as Feed for Pig Improvement. Report Submitted to the CSIR-Animal Research Institute. Institute # SCIR/ARI/TR/13/03.

## Manuals

- (i) **P. Asiedu**, E.K. Adu, C.T. Arthur, C. Aboyella, S.K. Frimpong, D. Bempeh, E.A. Eshun, C. Y. Domozoro, E.A. Marfo, A.A. Obresi, K.O. Amoah, and K.O. Ansah (2019). Indigenous micro-organisms (IMO) technology for sustainable pig production. Published by the Ministry of Food and Agriculture Directorate of Agric Extension, Accra – Ghana.
- ii) C.Y. Domozoro, K.O. Amoah, **P. Asiedu**, J.K. Nyameasem, E.A. Marfo, K. Dwumah, F. Yeboah, P. Anku, E.T. Sottie, E. T. and A. A Obresi, A. A. (2019). Multi- nutritional feed block technology for livestock farmers. Published by the Ministry of Food and Agriculture Directorate of Agric Extension, Accra – Ghana.

## TECHNOLOGY TRANSFER

- i. **Extension activities**
  - ii. **Organisation of farmers workshops, farmers fora, Training of trainers and end users**
1. **Resource Person** for RELC technical review meeting Planning sessions on indiginous micro-organisms technology in pig production for MoFA and farmers in Oti Region, Volta North, November, 2020
  2. **Facilitator** for RELC technical review meeting Planning sessions on indiginous microorganisms technology in pig production for District Directors and farmers in Ho, Volta region, 13-16<sup>th</sup> October, 2020
  3. **Facilitator** for RELC technical review meeting Planning sessions on indiginous microorganisms technology in pig production for Regional and District Directors in Koforidua, Eastern Region, 16<sup>th</sup> September, 2020
  4. **P. Asiedu and G. B. Ziema (2019)**. Pig production Training workshop for prospective pig farmers, June, 2019

5. **Facilitator** for RELC technical review meeting Planning sessions on indiginous microorganisms technology in pig production for Regional and District Directors in Sunyani, Bono district, 2<sup>nd</sup> September, 2019
6. **Facilitator** for RELC technical review meeting Planning sessions on indiginous microorganisms technology in pig production for Regional and District Directors and Livestock Office, Kumasi, 3<sup>rd</sup> to 5<sup>th</sup> September, 2019
7. **P. Asiedu and G. B. Zieme (2019)**. Pig production Training workshop for pig farmers, January, 2019.
8. **Resource Person** for stakeholders' validation workshop of draft dissemination technical materials on CSIR technologies for modernizing Agriculture in Ghana (MAG), 11 – 12<sup>th</sup> June, 2018
9. **Resource Person** for RELC technical review meeting Planning sessions on indiginous microorganisms technology in pig production for Regional and District Directors RELC Planning sessions in Takoradi, 7<sup>th</sup> March, 2018
10. **Resource Person** for technical review meeting on indiginous micro- organisms technology in pig production for Regional and District RELC Planning sessions in Takoradi, 9<sup>th</sup> March, 2018
11. **Technical Person** for livelihood diversification and support project (Natural Pig Rearing in Ghana Using Indigenous Micro Organisms), in the Western Region-Ghana, June, 2017 to date
12. **Resource Person** for livelihood diversification and support project (Natural Pig Rearing in Ghana Using Indigenous Micro Organisms), in the Western Region-Ghana, November, 2015 to November, 2016
13. **Facilitator** of workshop on Natural Pig Rearing in Ghana Using Indigenous Micro Organisms, pig production and health management in the Volta Region with the Progressive Pig farmer Association of Ghana, December, 27 – 30, 2016
14. **Resource Person** for Research – Extension – Farmer Linkage Committees (RELC) Regional Planning Session for Central Region (Natural Pig Rearing in Ghana Using Indigenous Micro Organisms), October, 2015
15. **Resource Person** for Research – Extension – Farmer Linkage Committees (RELC) Regional Planning Session for Greater Accra Region, March, 2015

16. **Facilitator** of workshop for Pig Farmers on History of the Pig Industry in Ghana, Pig Housing and Equipment, Health management of Pigs, Pig breeding and Reproduction, Feeding and Nutrition and Identification and Record keeping in 10 Districts in the Greater Accra Region namely; Ada East, Ada West, Ga East, Ningo Prampram, Shai Osudoku, Kpone Katamanso, Ga Central, Ga South, Ga West and Tema Municipal Assambly, August to December, 2014
17. Development of Agribusiness and Food Processing Incubation Centres in Africa, 16<sup>th</sup> February – 1<sup>st</sup> March, 2014 at ICRISAT, Patancheru
18. **Resource Person** for Research – Extension – Farmer Linkage Committees (RELC) Regional Planning Session for Central Region, April, 2014
19. **Resource Person** for Research – Extension – Farmer Linkage Committees (RELC) Regional Planning Session for Volta Region, March, 2014
20. Training workshop in experimental design and statistical analysis, February, 2012
21. **Training of Trainers** workshop on General Risk Management (GRM) and Policy Training for CUs' Staff and Committees' members, Kasoa, Ghana, June, 2012
22. Workshop on COS-SIS'S Approach Institutionalization, 26<sup>th</sup> January, 2012
23. **Facilitator** of workshop on pig production and health management, CSIR-ARI, January, 2011
24. **Facilitator** of Workshop on new products development with root and tuber crops and their by-products as feed for pig improvement in 11 Districts in Greater Accra, Central and western Region namely; Ada East, Ga East, Ga South, Ga West, Agona-Swedru, AgonaNsaba, Awutu Senya, Komanda Edina Edwefo Municipal Assambly, Agona-Ahanta West, Shama and Tarkwa-Nsuem, June – November, 2011
25. **Resource Person** for Capitalisation 'Organised Fresh Milk Collection and Value Chain Development in the Dangme East District of Ghana' A Means to Livelihood Improvement and Wealth' in Kumasi, Ghana, September, 2011.
26. Technical Report writing with MS word and MS excel for Engineers and Technical Professionals, Thursday, 24<sup>th</sup> – Saturday, 26<sup>th</sup> November, 2011 at CSIR-Crops Research Institute Conference Room, Kumasi, Ghana.



27. IFDC Training of Trainers workshop on Business Plan Development at AWEWA Sunshine Hotel at Tamale, September, 2011

**vi. MASS MEDIA POPULARIZATION OF RESEARCH RESULTS (TV APPEARANCE)**

1. Publicity drive for the CSIR – Animal Research Institute on commercialization of technologies, Broadcast on GTV, November 2012
2. Pig Housing, feeding, management, Processing and marketing Agro Tech. Radio Programme. RITE FM, Somanya. 5<sup>th</sup> March, 2012
3. Video documentary, Best Environmental Technologies Incorporation Collaborative research, March, 2012
4. Commercialization of Technologies, Indigenous Micro-Organism, IMO (Video Documentary), through Creating Competitive Entrepreneurs in Pig Value Chain (SDF), September, 2014

**ATTRACTION OF FUNDING THROUGH SUBMISSION OF A RESEARCH PROPOSAL (CONTRACT RESEARCH)**

(ii)

1. **Project Title:** Livelihood diversification support project

**Member for the development of proposal:** E. K. Adu, P. Asiedu, C. T Arthur, C.

Aboyella, S. K Frimpong, D. Bempah

**Role:** Was the Technical Lead

**Year of Submission:** November, 2017 to March, 2021

**Source of funding:** Tullow Ghana

**Amount:** £250,000.00

2. **Project Title:** Livelihood diversification support project

**Member for the development of proposal:** E. K. Adu, P. Asiedu, C. T Arthur, C.

Aboyella, S. K Frimpong, D. Bempah

**Role:** Was the Technical Lead

**Year of Submission:** November, 2015 to March, 2021

**Source of funding:** Tullow Ghana

**Amount:** £350,000.00

**3 Project Title:** Creating competitive entrepreneurs in pig value chain

**Member for the development of proposal:** E. K. Adu, **P. Asiedu**, P Wallace, K. O.

Amoah, S.W.A. Rhule, V. K. Botchway, P. Aboe, A. Asafu-Adjaye, , M. Ayim-

Akonor, E. Marfo – Ahenkorah, C. Y. Domozoro V. K Lamptey Ameleke

**Role:** Key member in developing the concept, help in computing the budget for the project and was also actively involved in the execution of the project

**Year of Submission:** 2013 to 2015

**Source of funding:** Skills Development Fund (SDF)

**Amount:** Ghs 1,600,000.00

**4 Project Title:** 2Scale Project – Fresh Milk Cluster

**Member for the development of proposal:** P. Aboe, **P. Asiedu**, L. Muntala and

G.Y Ameleke

**Role:** Key member in developing the concept, help in computing the budget for the project and was also actively involved in the execution of the project **Year of**

**Submission:** 2012

**Source of funding:** IFDC

**Amount:** Ghs 3,616.80.00

**5. Project Title:** The effect of direct-fed microbial (RE-3) on milk production and body characteristics of cattle in the tropics

**Member for the development of proposal:** D. Y. Osei, K. O. Amoah, **P. Asiedu**

**Role:** Was very vital in the writing of the proposal and participated fully in the execution of the project

**Year of Submission:** 2011

**Source of funding:** Best Environmental Technologies Inc., Canada

**Amount:** Ghs 21,450.00

**6. Project Title:** The effect of RE 3 (direct-fed microbial) on Reproductive and Growth Performance of Rabbits

**Member for the development of proposal:** D. Y. Osei, K. O. Amoah, **P. Asiedu**

**Role:** Was very vital in the writing of the proposal and participated fully in the execution of the project

**Year of Submission:** 2011

**Source of funding:** Best Environmental Technologies Inc., Canada

**Amount:** Ghs 7876.00

7. **Project Title:** New products development with root and tuber crops and their byproducts as feed for livestock improvement

**Member for the development of proposal:** S.W.A Rhule, **P. Asiedu**, and K. O.

Amoah

**Year of Submission:** 2011

**Source of funding:** West African Agricultural Productivity Project (WAAPP)

**Amount:** Ghs 30,000.00

## **ADMINISTRATIVE EXPERIENCES**

### **(i) Head of Division / Section**

1. **Head of Division** (Farm Animals and technology Development) 1 July, 2020 to 24<sup>th</sup> May, 2021
2. **Acting Head of Division** (Intensive Livestock Production System Division), 21<sup>st</sup> December, 2012 to 31<sup>st</sup> January 2013.
3. **Chairman** of the transport committee, CSIR-ARI, July 2015 to 2018
4. **Officer-In-Charge** of CSIR-Animal Research Institute, Katamanso Station, February, 2015 to 2018
5. **Sectional Head** of the Pig Production Section under the Intensive Livestock Production System Division, 1<sup>st</sup> July, 2013 to May, 2016
6. **Field Coordinator**, Creating Competitive Entrepreneurs in Pig Value Chain. Funded by: Skills Development Fund (SDF), 15<sup>th</sup> March, 2013 to July, 2015

## **SECRETARYSHIP/MEMBERSHIP TO ASSOCIATION**

1. **2019-2020 P. Asiedu.** Appointment to Serve as an Assessor for Best Animal Science BSc Dissertation. Proceedings of the 1<sup>st</sup> Joint GSAP/GASA conference, University for Development Studies, Tamale
2. **Secretary**, CSIR- Animal Research Institute Research Staff Association, August, 2010 to June, 2014
3. **Member** of the University Teachers Association Ghana, June, 2021 to data
4. **Member** of the University of Energy and natural resources welfare, Sunyani, Ghana, June, 2021 to data
5. **Member** of the CSIR- Research Staff Association January, 2009 to 25<sup>th</sup> May, 2021
6. **Member** of the Ghana Animal Science Association January, 2009 to date
7. **Member** of the Ghana Science Association January, 2009 to date
8. **Member** of the Ghana Society of Animal Production January, 2009 to date
9. **Member** of the Exhibition Sub-committee for ECOWAS trade Fair, October, 2013 to July, 2014

## **AWARDS FELLOWSHIP OF ACADEMIC**

1. 2014 CSIR Mentoring Programme Fellowship
2. **P. Asiedu** (2018). Won the Samuel and Emilia Brew-Butler-Sgs/Grassag Research Grant, University of Cape Coast

## **COMPUTER SKILLS**

- Experienced Microsoft Office user □ Good typing skills
- Working knowledge in GENSTAT and SPSS software

## **HOBBIES**

Reading, Sports and Cooking

i) Prof. E.K. Adu,  
Chief Research Scientist and Former Director, CSIR-  
Animal Research Institute.  
P.O. BOX AH 20, Achimota.  
TEL: (+233) 264785992  
E-MAIL: [nhyirapapa@gmail.com](mailto:nhyirapapa@gmail.com)

ii) Prof. F.N.A. Odoi,  
Department of Animal Science,  
University of Cape Coast.  
TEL: (+233) 208392322  
E-MAIL: E-mail: [fodoi@ucc.edu.gh](mailto:fodoi@ucc.edu.gh)

iii) Dr. H.R. Otsyina,  
School of Veterinary Medicine,  
University of Ghana, Legon.  
Phone: (+233) 553121524  
E-MAIL: [HOtsyina@ug.edu.gh](mailto:HOtsyina@ug.edu.gh)

Signed.....



Date:.....

22/09/21