# *Curriculum Vitae*

# *JACOB ALHASSAN HAMIDU, PhD*

­­­­­­­­Department of Animal Science

Faculty of Agriculture

College of Agriculture and Natural Resources

Kwame Nkrumah University of Science and Technology (KNUST)

Kumasi, Ghana

##### Tel: (050) 9253974/0596027132

##### E-mail: jahamidu.canr@knust.edu.gh/jahamidu@gmail.com

Date of Birth: 6th February 1976

Hometown: Bawku, Upper East, Ghana

Place of Birth: Kumasi, Ashanti, Ghana

Religion: Christianity

Marital status: Married, with three children (two boys and one girl)

Philosophy: To render competent and dedicated service to any organization that I may work with and strive hard to become part of the success story of such organization.

# Education

1. Academic Degrees earned with dates
2. Doctor of Philosophy in Animal Science (2011)
3. Master of Science in Animal Science (2006)
4. Bachelor of Science in Agriculture (First Class Honours) (2003)
5. Senior Secondary School Certificate Examination (SSCE) (1996)
6. Basic Examination Certificate Examination (BEEC) (1993)
7. Institutions attended with dates
8. Department of Agricultural, Food and Nutritional Science, University of Alberta, Edmonton, Alberta, Canada (2004 to 2010)
9. Faculty of Agriculture, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana (1998 to 2002)
10. Prempeh College, Kumasi, Ghana (1994 to 1996)
11. Kwadaso MA JSS, Kumasi, Ghana (1991 to 1993)
12. **EMPLOYMENT**
13. Academic Ranks held and subjects taught

Academic rank

1. Associate Professor – 2021 to present: Department of Animal Science, Faculty of Agriculture, College of Agriculture and Natural Resources, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana.
2. Senior Lecturer – 2017 to 2021: Department of Animal Science, Faculty of Agriculture, College of Agriculture and Natural Resources, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana.
3. Lecturer – 2013 to 2017: Department of Animal Science, Faculty of Agriculture, College of Agriculture and Natural Resources, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana.
4. Post-Doctoral Research Fellow – 2010 to 2012: Department of Agricultural, Food and Nutritional Science, Faculty of Agricultural Life and Environmental Science, University of Alberta, Edmonton, Canada.
5. **Other professionally related experience.**

After my promotion to Senior Lecture in 2017, I have worked towards improving my professional standing through various training programmes, conferences and capacity building workshops, which have been itemized below:

Academic Training since my appointment

1. Attendance to the Africa Union InterAfrica Bureau for Animal Resource National training-of-Trainers (TOT) workshop on Technologies for promotion of the Poultry value Chain in Accra, Ghana, 15th -19th March 2021.
2. Attendance to Africa Academy of Science Mentoring Masterclass, Zoom from Nairobi, Kenya, October 23, 2020.
3. Participant and resource person at the first hatchery training workshop for hatchery professionals under the Skills Development Fund (SDF) and Ghana Poultry Project (GPP), KNUST, Kumasi, June 7 to 12, 2019.
4. Resource person at the TOT of the first rabbit training workshop for rabbit stakeholders under the Skills Development Fund (SDF), KNUST, Kumasi, July 22 to 24, 2020.
5. Resource person and participant at the first rabbit-training workshop for rabbit farmers under the Skills Development Fund (SDF), KNUST, Kumasi, August 12-14 and 17-21, 2020.
6. Webinar hatchery training, Jamesway Incubator Company Limited, Since April 2020 to present, Streaming from USA.
7. KNUST virtual teaching training workshop. September 1, 2021.
8. Participant at the 3rd Budapest Africa Forum, Budapest, Hungary, June 20 to 21, 2018.
9. Attendance to the 1st Pan Africa Poultry Congress, University of Lomé, Togo, May 4 to 5, 2019.
10. Participant, workshop on research grant proposals writing at the Kwame Nkrumah University of Science and Technology, Kumasi, 23 to 25 July 2018.
11. Participant, KNUST summer school on improving quality of higher educations through effective measurement and evaluation.
12. Participant in the USDA poultry value chain fair on creating sustainable market linkages within the poultry value chain.
13. Participant to training workshop on poultry disease prevention and control.
14. Participant and 3rd prize award winner at the Ghana Science Association one-day seminar at KNUST for 2016, 2017, 2018, 2019.
15. Participant, resource person and organizer at second KNUST hatchery workshop and book launch co-sponsored by CERSA, University of Lomé at KNUST, March 22 to 26, 2021.
16. Participant, workshop on food value chains via zoom
17. Editorial board member and/or Reviewer:
	1. Ghana Journal of Agricultural Science (GJAS).
	2. Ghana Science Association, KNUST Branch.
	3. All Africa Conference on Animal Agriculture (AACAA) and Special Edition of the BAHPA on the 7th AACAA Accra 2019.
	4. International Journal of Research Studies in Agricultural Sciences.
	5. American Research Journal of Agriculture.
	6. World Poultry Science Journal
	7. Revista Brasileira de Ciência Avícola/Brazilian Journal of Poultry Science.
	8. Poultry Science and Poultry Science Association.
	9. Journal of Animal Physiology and Nutrition.
	10. Journal of Animal Biotechnology.
	11. Ghana Journal of Animal Science.
	12. Iranian Journal of Applied Animal Science.
	13. ANIMAL: The International Journal of Animal Biosciences.
	14. Scientific African.
		1. Grants written and Successful
			1. Principal investigator, Ghana Poultry Project grant towards hatchery book launch. March 2021 (GH₵ 12,400).
			2. Principal investigator, Netherlands Africa Business Council grant for broiler processing. March 2021 (GH₵ 6,627.99).
			3. KNUST-CERSA hatchery workshop grant from CERSA, University of Lome. March 2021 (GH₵ 3030).
			4. Team Leader (Agric. Extension Officer): Ministry of Sanitation and Water Resources, Greater Accra Sustainable Sanitation and Livelihoods Improvement Project (GASSLIP), LUMP-SUM Contract for the Consultancy Services for the Design and Supervision of the Establishment of Demonstration Aquaculture and Agriculture at Lagon (GASLIP/S/032) between Greater Accra Sustainable Sanitations Project (GASSLIP) and EAP CONSULT LIMITED in Association with Kwame Nkrumah University of Science and Technology, August 2020 (GHC 78,200). Funding from Africa Development Bank.
			5. Principal Investigator, Skills Development Fund (SDF) grant: Development of Module on Hatchery Management for Increased Productivity in the Poultry Sector, January 2019 to August 2020 (GHC 562,452).
			6. KNUST Contact Person. European Union Erasmus+ grant for staff and student mobility between Szent István University (Hungary) and Kwame Nkrumah University of Science and Technology. Award includes MSc/MPhi – PhD student mobility 1-1 students (max 5 months) and STAFF / STT researcher, admin or teaching mobility 2-2 colleagues (10-12 days + travel days). March 2020.
			7. Principal Investigator: Ghana Poultry Project Award to train hatchery operators in Ghana. Awarded to Department of Animal Science in May 2019. (GHC 36,995).
			8. Co-investigator: Alberta Livestock and Meat Agency funding (University of Alberta, Canada, 2016 to present, $247,760 CAN).
			9. Principal Investigator: KNUST Research Fund (KReF) (KNUST-Kumasi, 2016 to 2018, GH₵ 10,000).
			10. Principal Investigator, KNUST Research Fund (KReF) (Assessing the impact of housing systems, arrival time and thermal manipulation of breeder chicks on broiler economy of production and wellbeing) at Department of Animal Science, KNUST. June 2020. (GH₵ 30,000).
			11. Co-Investigator: KNUST Research Fund (KReF) (Assessing the impact of omega-3 fatty acids intake on children brain development by measuring family food diversity and macular images of the eye in deprived communities), Department of Animal Science in collaborations with Department of Optometry, KNUST. June 2020. (GH₵ 30,000).
			12. Co-Investigator: KNUST Research Fund (KReF) (Development of a rotary drum dryer for converting food waste into poultry feed), Department of Animal Science in collaborations with Department of Civil Engineering, KNUST. June 2020. (GH₵ 30,000).

**List of the publications**

Pinto, R.B., Oduro-Kwarteng, S., **Hamidu, J.A.** and Essandoh, H.M.K., 2022. Sensitivity of nutritional and microbial content of food wastes to drying technologies. *Scientific African*, *16*, p.e01130.

Tagoe, A. N. A., J. A. **Hamidu**, A. Donkoh and H. Gariba. 2021. The performance of layers fed diets containing varying levels of sortex-rejected rice from the processing of whole rice grains. Livestock Research for Rural Development. Volume 33, Article #19. <http://www.lrrd.org/public-lrrd/proofs/lrrd3302/alber3319.html>. Published January 1, 2021.

Addison, D., O. S. Olympio, K. Adomako, G. Aryee and **J. A. Hamidu**. 2020. The effect of three different feather genotypes on the laying performance of two lines of layer parents. Livestock Research for Rural Development. Volume 32, Article #176.  <http://www.lrrd.org/lrrd32/11/godso32176.html>. Published November 1, 2020.

**Hamidu, J. A**. 2020. Delayed embryonic mortality and lower hatchability in naked neck embryos during incubation. Asian Science Bulletin 1 (3): 41-42. DOI: [https://doi.org/10.21124/asb.2020.41.42](https://doi.org/https%3A/doi.org/10.21124/asb.2020.41.42). Published November 14, 2020.

Nkrumah, T., K. Tona, and **J. A. Hamidu**. 2020. Influence of Heat Stress and Housing on Broiler Production: A Review". Acta Scientific Nutritional Health 4 (5): 28-31. DOI: [10.31080/ASNH.2020.04.0696](https://www.researchgate.net/deref/http%3A//dx.doi.org/10.31080/ASNH.2020.04.0696?_sg%5B0%5D=yKjgWALGZo4tvaZiRQL0fkkp-ZmEge6IDoBJTXQNfqq3hUMoTzj5CKf6oPUyqJvB_HK1StUpnXvdU7M1RyNKb96ILA.2uRSfIn-j5TVNxMLjodpwo7aN6tK4ocfwa1fQ2qtujomLEuuBxePNKI7MhKzdxG6WAHcfkVldZPuq-czMLSHVg). Published: April 22, 2020.

Yeboah, P. P., L. A. Konadu, **J. A. Hamidu**, E. A. Poku, D. Wakpal, P. Y. Kudaya, A. Dey, S. M. Saddiq. 2019. Hatcheries hatching chicks contribute to poor development of day-old chick’s base on biological and immunological assessment. Veterinary World, 12(11): 1849-1857. [www.veterinaryworld.org/Vol.12/November-2019/22.pdf](http://www.veterinaryworld.org/Vol.12/November-2019/22.pdf).

**Hamidu, J. A.**, D. A. Jerebi, M. A. Okai, D. Wakpal and L. A. Konadu. 2019. Hatchery residue analysis: reflection on layer breeder performance. Journal of Applied Sciences 18:818-826. DOI: [10.3923/jas.2019.818.826](https://dx.doi.org/10.3923/jas.2019.818.826). Published: July 25, 2019.

Sarfo, G.K. **J. A. Hamidu**, A. Larbi and A. Donkoh. 2019. Effect of direct fed microbial in layer diets, on egg laying performance and health response of indigenous Ghanaian guinea fowls (*Numida meleagris*). Poultry Science, 98:227–235. http://dx.doi.org/10.3382/ps/pey352. Published January 1, 2019.

Agbehadzi, R.K., **J. A. Hamidu**, K. Adomako and R. Enu. 2019. Economic contribution of local hatchery performance in the poultry value chain in Ghana. Poultry Science, 98:2399–2404. <http://dx.doi.org/10.3382/ps/pez020>. Published June 1, 2019.

Adomako, K., R. Akromah, A. W. Kena, A. B. Opey, S. Sovi, **J. A.
Hamidu**, and O. S. Olympio. 2019. Molecular characterization of the naked neck trait in chicken. Ghanaian Journal of Animal Science, 10 (1): 58-66.

Adomako, K., **J. A. Hamidu**, F. F. Peprah, J. Turkson, A. Osman, G. Deku, and O. S. Olympio. 2019. Effect of different cross combinations on the reproductive and pre- weaning growth performance of two rabbit breeds. Ghanaian Journal of Animal Science, 10 (1): 90-95.

Dawson-Amoah, H. B., M. C. Nwachukwu, **J. A. Hamidu**, and K. Adomako. 2019. Potential of two local commercial hybrid chicken strains: (ii) egg quality. Ghanaian Journal of Animal Science, 10 (1): 17-25.

Nwachukwu, M., B. Dawson-Amoah, and **J. A. Hamidu**. 2019. Potential of two local commercial hybrid chicken strains for egg production. Ghanaian Journal of Animal Science, 10 (1): 10-16.

Tagoe, A. N.A., **J. A. Hamidu**, A. Donkoh, M. M. Kofitse, and R. Amankwa. 2019. Manipulating layer feed for energy during pullet phase: effect on growth performance (9-20 weeks). Ghanaian Journal of Animal Science, 10 (1): 43-50.

Adomako, K., O. S. Olympio, **J. A. Hamidu**, and J. K. Hagan. 2018. Growth performance and carcass characteristics of crossbred frizzle (*FF, Ff*) and normal feathered (*ff)* cockerels. Ghanaian Journal of Animal Science, 9:16-25.

Okunko, P. H., **J. A. Hamidu**, K. Adomako, E. K. Boateng and M. Ansong. 2018. Assessing incubator and breeder flock performance for increased hatch: Case of a local exotic layer breeder flock. Ghanaian Journal of Animal Science, 9:26-32.

**Hamidu, J. A**., K. Owusu-Ansah, K. Adomako, A. K. B. Agyiri-Nyarko, and J. O. Darko. 2018. Preliminary study on microbial contaminations of commercial layer eggs collected from deep litter. Ghanaian Journal of Animal Science, 9:39-45.

Sarfo, G. K., **J. A. Hamidu** and A. Donkoh. 2018. Performance and health response of indigenous guinea keets (*numida meleagris*) in Northern Ghana fed different levels of a direct fed microbial (RE3®) through water and feed. Ghanaian Journal of Animal Science, 9:46-53.

Sarfo, G. K., A. Donkoh and J. A. Hamidu. 2018. Effect of diamond Vxpc(direct fed microbial) on broiler performance and health status. American Research Journal of Agriculture, 4 (1):1-10.  DOI: [10.21694/2378-9018.18004](https://doi.org/10.21694/2378-9018.18004).

**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>. Published 1 November 2018.

**Hamidu J. A**., F. A. Ndzibah, W. M. Allotey, E. Eghan, C. Kpemlie, B. Vasco, and J. O. Darko. 2018. Microbial load on hatching eggs from farmhouse to cold room. International Journal of Research Studies in Agricultural Sciences (IJRSAS) 4(6): 30-36. DOI: <http://dx.doi.org/10.20431/2454-6224.0406004>.

Addo, A., **J. A. Hamidu**, A. Y. Ansah, and K. Adomako, 2018. Impact of egg storage duration and temperature on egg quality, fertility, hatchability and chick quality in naked neck chickens. International Journal of Poultry Science 17: 175–183. DOI: [10.3923/ijps.2018.175.183](https://dx.doi.org/10.3923/ijps.2018.175.183). Published: April 30, 2018.

**Hamidu, J. A**., C. A. Torres, M. L. Johnson, and D. R. Korver. 2018. Physiological response of broiler embryos to different incubator temperature proﬁles and maternal ﬂock age during incubation. 1. Embryonic metabolism and day-old chick quality. Poultry Science, 97(8):2934-2946. DOI: [10.3382/ps/pey089](https://doi.org/10.3382/ps/pey089). Published August 1, 2018.

Sarfo, G. K., A. Larbi, **J. A. Hamidu**, and A. Donkoh. 2018. Effect of direct-fed microbial addition in guinea fowl (Numida meleagris) diets on performance and health responses. Poultry Science 97(6):1909-1913. DOI: [10.3382/ps/pey066](https://doi.org/10.3382/ps/pey066). Published June 1, 2018.

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>. Published March 1, 2018.

**Hamidu, J. A**., R. K. Agbehadzi, V. E. Amexo, C. A. Brown, and K. Adomako. 2017. Optimizing feed withdrawal time to assess broiler stress and welfare. International Journal of Research Studies in Agricultural Sciences, 3(2):1-5. DOI: [10.20431/2454-6224.0302001](https://doi.org/10.20431/2454-6224.0302001). Published March 2, 2017.

Djang-Fordjour, H., **J. A. Hamidu**, K. Adomako. 2017. Assessing Incubation and Performance Deficiencies to Boast Broiler Production. American Research Journal of Agriculture 3:1-6.  DOI:[10.21694/2378-9018.17002](http://dx.doi.org/10.21694/2378-9018.17002%22%20%5Ct%20%22_blank). March 6, 2017.

**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 tropics. American Research Journal of Agriculture 1:7-15.

Adomako, K., O. S. Olympio, J. K. Hagan, and **J. A. Hamidu**. 2014. Growth performance of crossbred naked neck and normal feathered laying hens kept in tropical villages. British Poultry Science Journal 55:701-708.

Adomako, K., O. S. Olympio, J. K. Hagan, and **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 Journal 55:709-714.

**Hamidu, J. A.**, K. Adomako, J. M. Senanu, F. B. Frimpong, and F. R. K. Bonsu. 2014. Comparative analysis of local and foreign hatched day-old chicks in Ghana. Ghanaian Journal Animal Science 8:71-78.

Addison, D., K. Adomako, O. S. Olympio, and **J. A. Hamidu**. 2014. Feather mutations and egg laying performance of indigenous birds in the Ashanti Region of Ghana. Ghanaian Journal Animal Science 8:136-142.

Olympio, O. S., C. A. Brown, **J. A. Hamidu**, and K. Adomako. 2014. Microsoft excel cash flow budget for a single batch of table eggs layers. Ghanaian Journal Animal Science 8:160-168.

Uddin, Z., and **J. A. Hamidu**. 2014. Prolong egg storage affects broiler breeder embryonic metabolism and chick quality. Journal of Animal Science Advance 4: 973-977.

**Hamidu, J. A**. 2013. Effects of turkey egg storage duration on expression of apoptosis genes. Ghanaian Journal Animal Science 7:69-75.

**Hamidu, J. A**., Z. Uddin, G. M. Fasenko, L. L. Guan, and D. R. Barreda. 2011. Broiler egg storage induces cell death and influences embryo quality. Poultry Science 90:1749-1757.

**Hamidu, J. A**., G. M. Fasenko, L. L. Guan, D. R. Barreda, and J. J. R. Feddes. 2011. Influence of parent flock age on embryonic metabolism in modern turkey strains. Poultry Science 90:426-434.

**Hamidu, J. A**., A. Rieger, G. M. Fasenko and D. R. Barreda. 2010. Dissociation of chicken blastoderm for examination of apoptosis and necrosis by flow cytometry.  Poultry Science 89: 901-909.

**Hamidu, J. A**., J. J. R. Feddes, C. A. Ouellette and G. M. Fasenko. 2010. The respiration of an avian embryo measured by an indirect calorimetric system. Canadian Biosystems Engineering 52:4-9.

Fasenko, G. M., E. E. O’Dea Christopher, and **J. A. Hamidu**. 2009. Embryo metabolism. Australian Poultry Science Symposium 99-105.

**Hamidu, J. A**., G. M. Fasenko, J. J. R. Feddes, E. E. O’Dea, C. A. Ouellette, M. J. Wineland, and V. L. Christensen. 2007. The effect of broiler breeder genetic strain and parent flock age on eggshell conductance and embryonic metabolism. Poultry Science 86:2420-2432.

**Book and book chapers**

1. **Hamidu, J. A.**, C. A. Brown and M. Adjepong. 2021. Improving the Cognitive Development of Children in Rural Areas as Development Tool. DOI: <http://dx.doi.org/10.5772/intechopen.97476>.
2. **Hamidu, J. A.** 2020. Poultry Hatchery Principles for Professionals: Curriculum on Hatchery Management for Increased Productivity of the Poultry Sector in Ghana. 1st Ed. Nunders Publishers, Plt 63A, Blk G, Chirapatre Estates, Kumasi

**Conferences/Seminars and Workshops at which papers were read**

Sarfo, G. K., **J. A. Hamidu**, B. K. Amponsah, A. M. Jacob, A. Jacob, T. Stephen,and A. Donkoh. 2019. Effect of Diamond V XPCTM on broiler chicken performance. Proceeding of the 7th All Africa Conference on Animal Agriculture (7th AACAA), Accra International Conference Area, Accra, Ghana. July 29 to August 3, 2019.

Bineadeo, R., K. Adomako, **J. A. Hamidu**, A. Osei, I. N. S. Ankamah, and O. S. Olympio. 2019. Effects of the naked neck gene (*na*) and feed withdrawal on local crossbred broilers reared in hot tropical humid conditions. Proceeding of the 7th All Africa Conference on Animal Agriculture (7th AACAA), Accra International Conference Area, Accra, Ghana. July 29 to August 3, 2019.

Kwarteng, E, K. Adomako, **J. A. Hamidu**, and O. S. Olympio. 2019. Components of total cost of production in poultry: A case study in Kwabre and Atwima Nwabiagya Districts of Ashanti region. Proceeding of the 7th All Africa Conference on Animal Agriculture (7th AACAA), Accra International Conference Area, Accra, Ghana. July 29 to August 3, 2019.

Popoola, R. J. and **J. A. Hamidu**. 2019. Challenges in marketing local broiler birds compared to imported frozen chicken meat. Proceeding of the 7th All Africa Conference on Animal Agriculture (7th AACAA), Accra International Conference Area, Accra, Ghana. July 29 to August 3, 2019.

Unaisa, Y. and **J. Hamidu**. 2019. The relationship between dietary diversity and Omega-3 fatty acids intake on growth and development of children below five years in rural Ghana. Proceeding of the 7th All Africa Conference on Animal Agriculture (7th AACAA), Accra International Conference Area, Accra, Ghana. July 29 to August 3, 2019.

**Jacob Hamidu**, Priscilla Yeboah, Lydia Konadu, Emmanuel Adu, David Wakpal, Paul Kudaya, Andy Dey, And Salam Siddiq. 2019. Determining the key loopholes that leads to lower chick quality: Case study of the hatcheries. Pan Africa Poultry Congress in collaboration with World Poultry Science Association, University of Lome, Togo, May 13 to 17, 2019.

David Wakpal and **Jacob Hamidu**. 2019. Making hatchery operation and machinery cheaper for smallholder hatchery operators. Pan Africa Poultry Congress in collaboration with World Poultry Science Association, University of Lome, Togo, May 13 to 17, 2019.

**Hamidu, J**. 2018. [Optimizing chick quality as one of the way backs in Africa's poultry revival](https://www.eventscribe.com/2018/ASAS-Annual/fsPopup.asp?Mode=presInfo&PresentationID=415627). 12th World Conference on Animal Production, Vancouvar, Canada, July 5 to 8th 2018.

Konadu, L.A., Adu, P.E., Wakpal, D., Kudaya P.Y., Dey, A., Siddiq S.M. and **Hamidu, J. A**.2018. Biological measurements of chick quality as assessment criteria for the performance of the hatchery industry in Ghana. GVMA Conference, CSIR STEPRI Conference Centre, Accra, 7-10thNovember 2018.

Tannor, S., E. Asare, G. Agyekum & **J. A. Hamidu**. 2018. Effect of different egg storage duration and storage temperature on quality characteristics of Cobb 500 broiler breeder. In page 12 of the book of abstract of 7th One-day research seminar and poster presentation of the Ghana Science Association. 18th April 2018, KNUST, Kumasi.

Agyekum, G., S. Tannor, E. Asare & **J. A. Hamidu**. 2018. Effect of temperature and duration of egg storage on hatchability and chick quality of Cobb 500 broiler breeders. In page 13 of the book of abstract of 7th One-day research seminar and poster presentation of the Ghana Science Association. 18th April 2018, KNUST, Kumasi.

Asare, E., G. Agyekum, S. Tannor & **J. A. Hamidu**. 2018. The effect of storage temperature and storage duration on Cobb 500 broiler growth rate. In page 17 of the book of abstract of 7th One-day research seminar and poster presentation of the Ghana Science Association. 18th April 2018, KNUST, Kumasi.

Boakye-Yiadom, K. A., B. W. Sonon, A. A. Boakye, **J. A. Hamidu**, I. Oduro and W. O. Ellis. 2018. Palatability improvement and tannin reduction of poultry feed from plantain peel meal: a research proposal. In page 58 of the book of abstract of 7th One-day research seminar and poster presentation of the Ghana Science Association. 18th April, 2018, KNUST, Kumasi.

Vasco, B., **Hamidu, J. A**., Adomako, K., Brown, C. A., and Agyekum, H. O. S. 2017. Consumption patterns in Ghana-a case study in the Pru district. In page 41 of the book of abstract of 5th One-day research seminar and poster presentation of the Ghana Science Association. 12th April 2017, KNUST, Kumasi.

Owusu-Ansah, K., A. K. B. Enoch, A. Agyiri-Nyarko, Y. A. K. Klu, and **J. A. Hamidu**. 2017. The safety of floor eggs for human consumption. In page 39 of the book of abstract of 5th One-day research seminar and poster presentation of the Ghana Science Association. 12th April 2017, KNUST, Kumasi.

Ndzibah, F.A., W. M. Allotey, E. Eghan, C. Kpemlie, J. O. Darko, and **J. A. Hamidu**. 2017. Microbial load on hatching eggs from farmhouse to cold room. In page 38 of the book of abstract of 5th One-day research seminar and poster presentation of the Ghana Science Association. 12th April 2017, KNUST, Kumasi.

Adamu, S., A. M. Adjaottor, G. J. Amankwah, K. M. Gyasi, E. M. Shiburah, B. Vasco, and **J. A. Hamidu**. 2017. Impact of layer egg storage conditions on chicken embryo quality indices for incubation. In page 11 of the book of abstract of 5th One-day research seminar and poster presentation of the Ghana Science Association. 12th April 2017, KNUST, **Kumasi**.

Kanasuah, D. N., Adomako, K., Boadi, O. A., Azu, M. M., Olympio, O. S. and **Hamidu, J. A.** 2017. Effects of Storage duration and application of vegetable oil on the quality of eggs from local –exotic crossbred layers. 20th Biennial Conference of the Ghana Society of Animal Production. UCC, Cape Coast.

Kanasuah, D. N., Adomako, K., Arthur, D., Gakpetor, G., Olympio, O. S. and **Hamidu, J. A**. 2017. Effects of phenotype and Storage temperature on quality parameters of table eggs from local-exotic crossbred layers. 20th Biennial Conference of the Ghana Society of Animal Production. UCC, Cape Coast.

Aboagye-Poku, R., Adomako, K., Olympio, O. S. and **Hamidu, J.A**. 2017. The effect of the Frizzle gene on the pterylosis of local crossbred chickens. 20th Biennial Conference of the Ghana Society of Animal Production. UCC, Cape Coast.

Yeboah, P., **J. Hamidu**, and K. Adomako. 2016. Optimum chick quality is a crucial hinge for optimum performance. Poster in pages 583 of the Proceedings of XXV World's Poultry Congress. September 5-9. Beijing, China.

Brown, C., **J. Hamidu**, K. Adomako. 2016. Paradigm shift in feeding layer birds for omega 3 eggs production. Poster in pages 42 of the Proceedings of XXV World's Poultry Congress. September 5-9. Beijing, China.

REFERENCES

Dr. Doug Korver

Department of Agriculture, Food and Nutritional Science

University of Alberta, Edmonton, Alberta

dkorver@ualberta.ca

(780) 492 3990

Dr. Daniel Barreda

Department of Agriculture, Food and Nutritional Science

University of Alberta, Edmonton, Alberta

dan.barreda@ualberta.ca

(780) 492-2480

Dr. Leluo Guan

Department of Agriculture, Food and Nutritional Science

University of Alberta, Edmonton, Alberta

Leluo.Guan@ales.ualberta.ca

(780) 492-0375

Dr. Gaylene Fasenko

Department of Animal and Range Sciences

New Mexico State University, La Cruse

gfasenko@nmsu.edu

(575) 646-3402

Dr. Simon Oscar Olympio

Department of Animal Science

KNUST, Kumasi

oolympio@yahoo.com

(020) 816-8673