Armstrong Donkoh

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RESEARCH

Areas: Animal Science and Zoology · Plant Science · Ecology, Evolution, Behavior and Systematics · Food Science · Nutrition and Dietetics · Agronomy and Crop Science

RESEARCH SUMMARY

53	442	11	11	0.35	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 53 publications listed below, 1982–2026. Field-weighted impact is the mean over the 53 works scored for it; 1.00 is the world average for works of the same field, type and year. 0 of the 53 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

eac
Animal Science, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

EDUCATION AND QUALIFICATIONS

PhD 1988–1993
Animal Science, Massey University - Manawatu Campus, Palmerston North, New Zealand

PUBLICATIONS

Journal articles 53

1. Dennis AFRAM, Emmanuella Ekua Tweneboah GYAMFI, Jennifer VAN-ESS, Nene WILLIAMS, Victoria ATTOH-KOTOKU, Agyemang Felix ABOAGYE, Kenneth Gyimah OWUSU, Prince SASU, Benjamin ADJEI-MENSAH, **Armstrong DONKOH** (2026). Bioconversion of cereal by-products through Pleurotus ostreatus mediated solid-state fermentation of three agro by-products. *Online Journal of Animal and Feed Research*. https://doi.org/10.51227/ojafr.2026.12
2. Agnes Osei-Adjei, Jacob Alhassan Hamidu, Benjamin Adjei-Mensah, Prosperar Amu, Christabel Osei-Tutu, **Armstrong Donkoh** (2026). Interactive Effects of Cassava Starch Residue and Multi-Enzyme Supplementation on Growth Performance, Carcass Traits, Blood Metabolites and Cecal Microbiota of Broilers. *Starch - Stärke*. https://doi.org/10.1002/star.70223
3. Agnes Osei-Adjei, Jacob Alhassan Hamidu, Benjamin Adjei-Mensah, Yolanda Ashie, Leonardo Abormegah, Florence Martey, Ignitious Nyarko Sarpong, Goodman Sarfo Kantanka, **Armstrong Donkoh** (2026). Optimizing Cassava Starch Residue Inclusion in Broiler Diets: Balancing Growth Performance, Liver Health and Gut Microbial Dynamics. *Veterinary Medicine and Science*. https://doi.org/10.1002/vms3.70927
4. Agnes Osei-Adjei, Jacob Alhassan Hamidu, Benjamin Adjei-Mensah, Priscilla Nyameyie Ama Hanson, Goodman Kantanka Sarfo, **Armstrong Donkoh** (2025). Evaluating Cassava Starch Residue as a Maize Substitute in Broiler Chicken Diets. *Food Science & Nutrition*. https://doi.org/10.1002/fsn3.70360
5. Agnes Osei-Adjei, Jacob Alhassan Hamidu, Benjamin Adjei-Mensah, Bernard Quaye, Akua Durowaa Oduro-Owusu, George Kwaku Atimah, **Armstrong Donkoh** (2025). The Need and Acceptability of Cassava Starch Residue as an Alternative Energy Source in Poultry Feeds: Farmers and Consumers Perspectives in

the Ashanti Region of Ghana. *European Journal of Agriculture and Food Sciences*. https://doi.org/10.24018/ejfood.2025.7.3.910

6. Esther Naa Korkoi Sackey, Samuel Amankwah Aboagye, Mathais Adetarimah, **Armstrong Donkoh**, Benjamin Adjei-Mensah, Jacob Alhassan Hamidu (2024). Antibiotic Resistance of Escherichia coli and Salmonella spp. Strains Isolated from Some Selected Poultry Farms in the Oforikrom Municipality Kumasi, Ghana. *European Journal of Agriculture and Food Sciences*. https://doi.org/10.24018/ejfood.2024.6.5.844
7. Obed Adjei, Prince Sasu, Jessica Kukua Baidoo, Benjamin Adjei-Mensah, Gifty Amoakoah Bredu, Theophilus Owusu Ansah, Victoria Attoh-Kotoku, Francis Appiah, **Armstrong Donkoh** (2024). Breadfruit (Artocarpus altilis) Pulp Flour as a Non-Conventional Filler in Comminuted Pork: Effect on Physicochemical, Sensory Attributes and Cost of Meatloaves. *European Journal of Agriculture and Food Sciences*. https://doi.org/10.24018/ejfood.2024.6.2.778
8. B. Adjei-Mensah, O. Oso, E. Oke, T.T. Kuka, P. Sasu, R.K. Agbehadzi, C.C. Atuahene, **A. Donkoh**, J.A. Hamidu, K. Tona (2024). Hypocholesterolemic potentials of garlic on the lipid profile of poultry birds and poultry products: A review. *The Journal of Applied Poultry Research*. https://doi.org/10.1016/j.japr.2024.100509
9. Obed Opoku, Jacob Alhassan Hamidu, Benjamin Adjei-Mensah, Bernard Quaye, Prince Sasu, Victor Benante, Michael Adu Amankrah, **Armstrong Donkoh**, Comfort Charity Atuahene (2023). Alternative organic wastes as substrates and its impact on growth, proximate chemical and mineral composition of black soldier fly (Hermetia illucens) larvae for subsistent animal feed. *Journal of Applied Animal Research*. https://doi.org/10.1080/09712119.2023.2249545
10. V. Attoh-Kotoku, O.K. Gyimah, **A. Donkoh**, A. Osman, Y.A. Aziz, E.L.K. Osafo (2023). Effect of solid state fermentation using oyster mushroom on the chemical composition of Brachiaria mulato II, Bambusa vulgaris, Napier grass and Panicum, four Tropical forages, incubated for 60 days. *Animal - science proceedings*. https://doi.org/10.1016/j.anscip.2023.01.438
11. Agnès Osei-Adjei, **Armstrong Donkoh**, Goodman Kantanka Sarfo, Jacob Alhassani Hamidu (2023). The Impact of Feeding Strategies to Reduce the Heat Stress in Broiler Production. *International Journal of Poultry Science*. https://doi.org/10.3923/ijps.2023.138.148
12. G. Agyekum, M.A. Okai, J.K. Tona, **A. Donkoh**, J.A. Hamidu (2022). Impact of incubation temperature profile on chick quality, bone, and immune system during the late period of incubation of Cobb 500 broiler strain. *Poultry Science*. https://doi.org/10.1016/j.psj.2022.101999
13. A. G. Kese, **A. Donkoh**, C. C. Atuahene, C. Nkansah (2021). EVALUATION OF METHODS OF PROCESSING CHAYA LEAF MEAL (CLM) IN TERMS OF CHEMICAL COMPOSITION AND ON PERFORMANCE AND PHYSIOLOGICAL PARAMETERS OF CHICKS. *Nigerian Journal of Animal Production*. https://doi.org/10.51791/njap.v16i.1908
14. A. G. Kese, **A. Donkoh**, C. C. Atuahene, Y. Poku-Prempeh (2021). UTILIZATION OF CHAYA (Cnidoscolus aconitifolius(Mill.) Johaston) LEAF MEAL IN CHICK DIETS. *Nigerian Journal of Animal Production*. https://doi.org/10.51791/njap.v16i.1911
15. Christopher Antwi, Preston Anderson, Antoinette S. Anim-Jnr, Moses Kiryowa, Adeola E. Ayano, **Armstrong Donkoh** (2020). Intake, digestibility and nitrogen balance of sheep fed bambara groundnut haulm as supplement to a maize stover basal diet. *Scientific African*. https://doi.org/10.1016/j.sciaf.2020.e00308
16. Margaret Aba Sam Hagan, Andrews Babatunde Omojola, **Armstrong Donkoh** (2019). Assessment of Samanea saman Whole Pod Extract as an Antimicrobial Agent and its Effect on Chicken Patties. *Journal of Agricultural Sciences – Sri Lanka*. https://doi.org/10.4038/jas.v14i2.8510
17. Hannah Moncon Farr, **Armstrong Donkoh**, Michael Boateng, Kwesi Boadu Mensah (2019). Effect of variously-processed rubber seed meals on reproductive performance: The use of Sprague-Dawley laboratory rats as model for pigs. *Journal of Animal Science and Veterinary Medicine*. https://doi.org/10.31248/jasvm2019.144
18. Bernard Quaye, Comfort Charity Atuahene, **A. Donkoh**, Benjamin Adjei, Obed Opoku, Michael Adu Amankrah (2018). Alternative Feed Resource for Growing African Palm Weevil (Rhynchophorus

phoenicis) Larvae in Commercial Production. *American Scientific Research Journal for Engineering, Technology, and Sciences (Global Society of Scientific Research and Researchers)*.

19. Sarfo GK, **Donkoh A**, Hamidu JA (2018). Effect of Diamond Vxpc (Direct Fed Microbial) on Broiler Performance and Health Status. *American Research Journal of Agriculture*. https://doi.org/10.21694/2378-9018.18004
20. G.K. Sarfo, J.A. Hamidu, A. Larbi, **A. Donkoh** (2018). Effect of direct fed microbial in layer diets, on egg laying performance and health response of indigenous Ghanaian guinea fowls (Numida meleagris). *Poultry Science*. https://doi.org/10.3382/ps/pey352
21. G.K. Sarfo, A. Larbi, J.A. Hamidu, **A. Donkoh** (2018). Effect of direct-fed microbial addition in guinea fowl (Numida meleagris) diets on performance and health responses. *Poultry Science*. https://doi.org/10.3382/ps/pey066
22. Bernard Quaye, Comfort Charity Atuahene, **A. Donkoh**, Benjamin Adjei, Obed Opoku, Michael Adu Amankrah (2018). Nutritional Potential and Microbial Status of African Palm Weevil (Rhynchophorus phoenicis) Larvae Raised on Alternative Feed Resources. *American Scientific Research Journal for Engineering, Technology, and Sciences (Global Society of Scientific Research and Researchers)*.
23. Iddrisu Alidu, **Armstrong Donkoh**, Abdul Rahaman Saibu Salifu (2017). Growth Response and Economics of Production of Guinea Fowls Fed Diets Containing Blend of Bovine Blood and Cassava Meal. *International Journal of Current Research and Academic Review*. https://doi.org/10.20546/ijcrar.2017.507.012
24. Margaret Aba Sam Hagan, **Armstrong Donkoh**, Dadson Awunyo-Vitor (2016). Growth performance and economic evaluation of broiler Chicken fed with rain tree (Samanea saman) seed meal. *Cogent Food & Agriculture*. https://doi.org/10.1080/23311932.2016.1277445
25. C Antwi, ELK Osafo, DS Fisher, HM Yacout, **A Donkoh**, AA Hassan, SMM Sobhy, H Adu-Dapaah, AZM Salem (2014). Effect of pesticides applied in cowpea production on rumen microbial fermentation of cowpea haulms as reflected in in vitro gas production. *South African Journal of Animal Science*. https://doi.org/10.4314/sajas.v44i3.2
26. M. Boateng, D. B. Okai, **A. Donkoh**, J. Baah, Agri-Food Canada (2013). Effect of Processing Method on the Quality of Palm Kernel Cake: Chemical Composition and Nutrient Utilization in Enzyme Supplemented Diets. *Animal Production (Faculty of Animal Science, Jenderal Soedirman University)*. https://doi.org/10.5897/ajar2013.6799
27. **Armstrong Donkoh**, Victoria Attoh-Kotoku, Reginald Osei Kwame, Richard Gascar (2012). Evaluation of Nutritional Quality of Dried Cashew Nut Testa Using Laboratory Rat as a Model for Pigs. *The Scientific World JOURNAL*. https://doi.org/10.1100/2012/984249
28. Francis Alemawor, Emmanuel Okpoti Kofi Oddoye, Victoria P. Dzogbefia, John H. Oldham, **Armstrong Donkoh** (2009). Broiler performance on finisher diets containing different levels of either Pleurotus ostreatus-fermented dried cocoa pod husk or dried cocoa pod husk supplemented with enzymes. *Tropical Animal Health and Production*. https://doi.org/10.1007/s11250-009-9510-9
29. **A. Donkoh**, S. Otchere, U. Asare, E. Okyere-Boakye, R. Tawiah, E. K. Nyannor (2003). A note on nutritive value of blend of blood and ground maize cob for broiler chickens. *Journal of Animal and Feed Sciences*. https://doi.org/10.22358/jafs/67753/2003
30. **A. Donkoh**, E. K. Nyannor, A. Asafu-Adjaye, J. Duah (2003). Ground maize cob as a dietary ingredient for broiler chickens in the tropics. *Journal of Animal and Feed Sciences*. https://doi.org/10.22358/jafs/67692/2003
31. C. Atuahene, **A. Donkoh**, D. Anang, J. Boateng (2002). A note on the use of breadfruit meal (Artocarpus incisus) as a feed ingredient for broiler chickens. *Journal of Animal and Feed Sciences*. https://doi.org/10.22358/jafs/67816/2002
32. **A. Donkoh**, D. Anang, C. Atuahene, M. Hagan (2002). Influence of processing temperature on chemical composition of solar-dried blood meal and on performance of broiler chickens. *Journal of Animal and Feed Sciences*. https://doi.org/10.22358/jafs/67903/2002

33. **A. Donkoh**, C. Atuahene, D. Anang, E. Badu-Botah, K. Boakye (2002). Response of broiler chickens to the dietary inclusion of Chromolaena odorata leaf meal. *Journal of Animal and Feed Sciences*. https://doi.org/10.22358/jafs/67815/2002

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37. **A. Donkoh**, C.C. Atuahene, D.M. Anang, S.K. Ofori (1999). Chemical composition of solar-dried blood meal and its effect on performance of broiler chickens. *Animal Feed Science and Technology*. https://doi.org/10.1016/s0377-8401(99)00069-3

38. **A Donkoh**, CC Atuahene, M Dzineku (1999). Growth response of broiler chickens to finisher diets containing high amounts of wheat bran. *Ghana Journal of Agricultural Science*. https://doi.org/10.4314/gjas.v32i2.1904

39. **A. Donkoh**, C.C. Atuahene, Y.B. Poku-Prempeh, I.G. Twum (1999). The nutritive value of chaya leaf meal (Cnidoscolus aconitifolius (Mill.) Johnston): studies with broiler chickens. *Animal Feed Science and Technology*. https://doi.org/10.1016/s0377-8401(98)00231-4

40. SA Osei, JA Hagan, **A Donkoh**, CC Atuahene (1998). Effects of dietary vitamin C addition on the performance of broilers in a hot, humid environment. *Ghana Journal of Agricultural Science*. https://doi.org/10.4314/gjas.v31i1.1954

41. SA Osei, CC Atuahene, DB Okai, **A Donkoh**, AK Tuah (1998). The nutritive value of quality protein maize in the diets of broiler chickens. *Ghana Journal of Agricultural Science*. https://doi.org/10.4314/gjas.v31i1.1938

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44. **A. Donkoh**, A.G. Kese, C.C. Atuahene (1990). Chemical composition of chaya leaf meal (Cnidoscolus aconitifolius (Mill.) Johnston) and availability of its amino acids to chicks. *Animal Feed Science and Technology*. https://doi.org/10.1016/0377-8401(90)90059-h

45. **A. Donkoh**, Comfort C. Atuahene, A. G. Kese (1989). Effect of feeding regimen and lighting pattern on the performance of broiler chickens in the hot, humid tropics. *British Poultry Science*. https://doi.org/10.1080/00071668908417161

46. Comfort C. Atuahene, **A. Donkoh**, K. Mensah-Afoakwa (1989). Value of peanut skins as a dietary ingredient for broiler chickens. *British Poultry Science*. https://doi.org/10.1080/00071668908417150

47. **A. Donkoh**, C. C. Atuahene (1988). Management of environmental temperature and rations for poultry production in the hot and humid tropics. *International Journal of Biometeorology*. https://doi.org/10.1007/bf01080023

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49. C.C. Atuahene, **A. Donkoh**, H. Swatson (1987). Oil palm slurry (OPS) as a partial replacement for maize in the diets of broiler chickens. *Animal Feed Science and Technology*. https://doi.org/10.1016/0377-8401(87)90011-3

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10.1007/bf02188944

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52. A. G. Kese, **A. Donkoh**, M. F. Baafi (1984). Brooding chicks with or without supplemental heat and light. *International Journal of Biometeorology*. https://doi.org/10.1007/bf02193507

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