Victoria Attoh-Kotoku

Associate Professor · Department of Animal Science
Kwame Nkrumah University of Science and Technology

ORCID 0000-0002-1613-1844 · Google Scholar scholar.google.com/citations?user=F4t2qPIAAAAJ&hl=en · Profile knust.peerford.com/staff/5d67ca6a-76ac-4a6d-b1ac-4b2ec07af89c

RESEARCH

Interests	Animal nutrition · Ruminant nutrition and production · Endocrinology · Climate change issues
Areas	Animal Science and Zoology · Agronomy and Crop Science · Plant Science · Forestry · Ecology, Evolution, Behavior and Systematics · Nutrition and Dietetics

RESEARCH SUMMARY

30	152	6	6	0.95	7%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 30 publications listed below, 2008–2026. Field-weighted impact is the mean over the 27 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 27 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Associate Professor 2021–present
Department of Animal Science, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

EDUCATION AND QUALIFICATIONS

Kwame Nkrumah University of Science and Technology
Kumasi, Ghana

PUBLICATIONS

Journal articles 29

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. Kenneth Gyimah Owusu, **Victoria Attoh-Kotoku**, Frank Idan, Alhassan Osman, Malik Borigu, Dennis Afram (2026). Impact of Solid-State Fermentation on Nutrient Profile, in vitro Gas Production Dynamics, and Methane/Carbon Dioxide Emissions of Selected Tropical Forages. *Journal of Experimental Agriculture International*. https://doi.org/10.9734/jeai/2026/v48i74351
3. Alhassan Osman, Emmanuel Lartey Kwame Osafo, **Victoria Attoh-Kotoku**, Frank Idan, Christopher Antwi (2025). Impact of Supplementing Probiotics and Concentrate on Intake, Nutrient Digestibility, and Nitrogen Balance in Sahelian Goats Fed a Basal Diet of Brachiaria Decumbens Grass. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v43i4.4
4. B.T. Akani, **V. Attoh-Kotoku**, A.O. Yusuf, P. Sasu, K.O. Ansah, Z.A Adegoke, R.A. Akani (2025). Nutritional evaluation of the leaves of Samanea saman, Terminalia catappa, and Blighia sapida as agroforestry fodder for sustainable ruminant production in Ghana. *Ghanaian Journal of Animal Science.*. https://doi.org/10.4314/gjansci.v16i1.5

5. A Osman, ELK Osafo, **V Attoh-Kotoku**, F Idan, C Antwi (2025). The Impact of Supplementing Probiotics and Concentrate on Intake, Nutrient Digestibility, and Nitrogen Balance in Sahelian Goats Fed a Basal Diet of Brachiaria Decumbens Grass …. *Journal of Science and Technology (JUST)*. https://journal.knust.edu.gh/index.php/just/article/view/1855

6. Prince Sasu, Esther Opara, Felicia Emmanuella Ellison, Richard Agbehadzi Koblah, Benjamin Adjei-Mensah, Antoinette Simpah Anim-Jnr, **Victoria Attoh-Kotoku**, Michael Kwaku (2025). Valorising bamboo leaves for climate-smart livestock production: Nutritional profile, emission reduction, and farmer adoption in Ghana's transitional zones. *Advances in Bamboo Science*. https://doi.org/10.1016/j.bamboo.2025.100151

7. Alhassan Osman, Ahmed Abdullah Owusu, Jeffrey Ofosu, Prince Sasu, Yunus Abdul Aziz, **Victoria Attoh-Kotoku**, Emmanuel Lartey Kwame Osafo (2024). Additive effects of Bridelia ferruginea leaf meal as a partial replacement for soybean meal on nutrients digestibility, growth performance, and carcass characteristics of weaner rabbits. *CABI Agriculture and Bioscience*. https://doi.org/10.1186/s43170-024-00276-5

8. 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

9. A.A. Yunus, E.L.K. Osafo, A. Osman, S.O. Apori, **V. Attoh-Kotoku**, C. Antwi, F. Idan, E. Gyamera (2024). Effects of concentrate supplement on dry matter and water intake, nutrient digestibility and nitrogen balance of N'dama bull calves fed Napier grass basal diet. *Ghanaian Journal of Animal Science.*. https://doi.org/10.4314/gjansci.v14i1.5

10. Alhassan Osman, Emmanuel Lartey Kwame Osafo, **Victoria Attoh-Kotoku**, Abdul Aziz Yunus, Antoinette Simpa Anim-Jnr, Worlah Yawo Akwetey, Christopher Antwi (2023). Carcass characteristics and meat quality of adult Sahelian does fed a basal diet of Brachiaria decumbens grass supplemented with probiotics and concentrates. *Cogent Food & Agriculture*. https://doi.org/10.1080/23311932.2023.2225259

11. Emmanuel Lartey Kwame OSAFO, Alhassan OSMAN, **Victoria ATTOH-KOTOKU**, Christopher ANTWI, Yunus ABDUL AZIZ, Frank IDAN (2023). Chemical composition and in vitro gas production of Brachiaria decumbens harvested at different stages of growth in the hot humid region. *Online Journal of Animal and Feed Research*. https://doi.org/10.51227/ojafr.2023.45

12. Prince Sasu, Dora Edinam Akorli, Raymond Asare, **Victoria Attoh-Kotoku**, Obed Adjei, Benjamin Adjei-Mensah, Rachida Adjima Tankouano, Frank Kweku Mintah, Antoinette S. Anim-Jnr, Michael Kwaku, Theophilus Owusu Ansah (2023). Comparative nutritional evaluation of the leaves of Bambusa balcooa (Beema) and Oxytenanthera abyssinica (A. Rich.) Munro bamboos, and the straws of AGRA and AMANKWATIA rice varieties. *Cogent Food & Agriculture*. https://doi.org/10.1080/23311932.2023.2263960

13. Prince Sasu, **Victoria Attoh-Kotoku**, Antoinette S. Anim-Jnr, Alhassan Osman, Obed Adjei, Benjamin Adjei-Mensah, Dora Edinam Aku Akoli, Rachida Adjima Tankouano, Michael Kwaku, Daniel Obloni Kweitsu (2023). Comparative nutritional evaluation of the leaves of selected plants from the Poaceae family (bamboos and grasses) for sustainable livestock production in Ghana. *Frontiers in Sustainable Food Systems*. https://doi.org/10.3389/fsufs.2023.1087197

14. **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

15. Alhassan Osman, Emmanuel Lartey Kwame Osafo, **Victoria Attoh-Kotoku**, Abdul Aziz Yunus (2023). Effects of supplementing probiotics and concentrate on intake, growth performance and blood profile of intensively kept Sahelian does fed a basal diet of Brachiaria decumbens grass. *Journal of Applied Animal Research*. https://doi.org/10.1080/09712119.2023.2211652

16. Alhassan Osman, Yunus Abdul Aziz, Kwame Owusu Amoah, Emmanuel Lartey Kwame Osafo, **Victoria Attoh Kotoku**, Prince Sasu (2023). Growth performance, nutrient digestibility and carcass characteristics of grower rabbits fed graded levels of Bamboo (Bambusa vulgaris) leaf meal. *International Journal of Agricultural Research Innovation and Technology*. https://doi.org/10.3329/ijarit.v13i1.67945

17. Prince Sasu, **Victoria Attoh-Kotoku**, Antoinette S. Anim-Jnr, Michael Kwaku, Benjamin Adjei-Mensah, Obed Adjei, Frank Kweku Mintah (2023). Toward smallholder bamboo-integrated agro-silvopastoral systems in sub-Saharan Africa: assessing the impact of bamboo leaves on consumption pattern, growth performance and manure characteristics of West African dwarf goats. *Frontiers in Animal Science*. https://doi.org/10.3389/fanim.2023.1108012

18. Prince Sasu, **Victoria Attoh-Kotoku**, Dora Edinam Akorli, Benjamin Adjei-Mensah, Rachida Adjima Tankouano, Michael Kwaku (2022). Nutritional evaluation of the leaves of Oxytenanthera abyssinica, Bambusa balcooa, Moringa oleifera, Terminalia catappa, Blighia sapida, and Mangifera indica as non-conventional green roughages for ruminants. *Journal of Agriculture and Food Research*. https://doi.org/10.1016/j.jafr.2022.100466

19. Lucia N. Marius, Maria N. T. Shipandeni, Luis A. Rodríguez-Campos, Emmanuel L. K. Osafo, Irvin D. T. Mpofu, Terry Ansah, Katrina L. Shiningavamwe, **Victoria Attoh-Kotoku**, Christopher Antwi (2021). Seasonal variation in chemical composition and in-vitro gas production of woody plant species of semi-arid condition of Namibia. *Agroforestry Systems*. https://doi.org/10.1007/s10457-021-00643-5

20. **V. Attoh-Kotoku**, O. O. Olusola, F. Osafo, A. B. Omojola (2021). Whole Unfermented African Locust Bean (WUALBF) Flour (Parkia biglobosa) as Non-Conventional Extender in Frankfurter-type Sausage. *Nigerian Journal of Animal Production*. https://doi.org/10.51791/njap.v43i1.2782

21. L.N. Marius, E.L.K. Osafo, I.D.T. Mpofu, E Lutaaya, K.L. Shiningavamwe, E Missanjo, **V Attoh-Kotoku** (2019). Effect of Vachellia erioloba and Dichrostachys cinerea pod supplementation on performance of does and kids of Namibian Caprivi and Ovambo indigenous goats. *South African Journal of Animal Science*. https://doi.org/10.4314/sajas.v48i5.11

22. **Victoria Attoh-Kotoku**, Benjamin Obukowho Emikpe, Douglas Obuadey, Olayinka Olabisi Ishola, Emmanuel Kwesi Osafo, Ambrose Donkoh, Raphael Folitse (2018). PATTERNS AND DIRECT FINANCIAL IMPLICATIONS OF CONTAGIOUS PLEUROPNEUMONIA IN CATTLE SLAUGHTERED IN KUMASI ABATTOIR, GHANA. *Animal Research International*.

23. Miriam Laryea, Benjamin Obukowho Emikpe, **Victoria Attoh-Kotoku**, Derrick Adu Asare, Nyarko Timothy Asenso (2016). Prevalence of foreign bodies in stomach of pigs slaughtered at the Kumasi Abattoir, Ghana. *Animal Research International*.

24. M. A. Laryea, B. O. Emikpe, **V. Attoh-Kotoku**, O. O. Omotosho, D. A. Asare, N. T. Asenso, R. Yeboah, O. A. Adejumobi, M. Mensah, D. B. Okai (2016). THE OCCURRENCE OF GASTRIC LESIONS IN SLAUGHTERED PIGS AT THE KUMASI ABATTOIR, GHANA. *Bangladesh Journal of Veterinary Medicine*. https://doi.org/10.3329/bjvm.v14i1.28830

25. **Victoria Attoh-Kotoku**, Dagbui Kofi Emmanuel, Donkoh Armstrong, Atuahene Comfort Charity, Akpadie Winfre (2015). Influence of Three Protein Sources on Performance of Grasscutters (Thryonomys swinderianus) Fed Diets with or without Fishmeal. *Journal of Agricultural Science and Technology A*. https://doi.org/10.17265/2161-6256/2015.07.007

26. A Babatunde Omojola, Saheed A Ahmed, **Victoria Attoh-Kotoku**, GS Ikani Wogar (2014). Effect of cooking methods on cholesterol, mineral composition and formation of total heterocyclic aromatic amines in Muscovy drake meat. *Journal of the Science of Food and Agriculture*. https://doi.org/10.1002/jsfa.6687

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. **V Attoh-Kotoku** (2009). Nutritive value of feedstuffs for poultry in Ghana: chemical composition, apparent metabolizable energy and ileal amino acid digestibility. *Livestock Research for Rural Development*. https://www.lrrd.cipav.org.co/lrrd21/3/donk21032.htm

29. EI Osafo, **V Attoh-Kotoku**, K Oppong-Anane, K Fynn (2008). Performance Characteristics of Lactating

Djallonké Ewes Fed Rice Straw Basal Diets Supplemented With Stylosanthes Hamata. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v28i1.33078

Conference papers 1

1. **GK Attoh-Kotoku** (2020). Nutrient digestibility of rabbits fed varying levels of sugarcane rind meal (SCR). *British Society of Animal Science (BSAS) Annual Conference*.