

# Prof Hagan Julius Kofi

Professor · Animal Science  
University of Cape Coast

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## RESEARCH

Areas Animal Science and Zoology · Genetics · Agronomy and Crop Science · Plant Science · Economics and Econometrics · Nutrition and Dietetics

## RESEARCH SUMMARY

|              |            |          |           |                       |               |
|--------------|------------|----------|-----------|-----------------------|---------------|
| <b>27</b>    | <b>207</b> | <b>9</b> | <b>8</b>  | <b>0.62</b>           | <b>4%</b>     |
| Publications | Citations  | h-index  | i10-index | Field-weighted impact | World top 10% |

Counted from the 27 publications listed below, 2013–2026. 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. 1 of the 27 papers scored for it are among the world's most cited tenth for their field, type and year.

## POSITIONS

**Senior Lecturer** 2014–present  
Animal Science, University of Cape Coast, Cape Coast, Ghana

## EDUCATION AND QUALIFICATIONS

**PhD** 2010  
Animal Science, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

## DISTINCTIONS, MEMBERSHIPS AND SERVICE

**TWAS Young Affiliate** 2016–present  
TWAS, Cape Coast, Ghana

**3rd Best Young Professional Scientist in Africa** 2013  
FARA/CTA, Accra, Ghana

## PUBLICATIONS

### Journal articles 27

- Bombason Kweku Tuoho, Samuel Kwesi Ndzebah Dadzie, **Julius Kofi Hagan**, Martin Bosompem, Robert Aidoo, Wisdom Makafui Tsetse, Isaac Kwasi Asante (2026). Drivers of agricultural students' career choices in the broiler value chain in Ghana. *Discover Agriculture*. <https://doi.org/10.1007/s44279-026-00556-w>
- Bombason Kweku Tuoho, Samuel Kwesi Ndzebah Dadzie, **Julius Kofi Hagan**, Martin Bosompem, Edward Adu-Kyei (2025). Comparative analysis of the profit efficiency levels among the major actors in broiler value chain in Ghana. *Cogent Food & Agriculture*. <https://doi.org/10.1080/23311932.2024.2447386>
- Bombason Kweku Tuoho, Samuel Kwesi Ndzebah Dadzie, **Julius Kofi Hagan**, Martin Bosompem, Robert Aidoo, Isaac Kwasi Asante (2025). Examining the Perception of Undergraduate Students Towards Choosing Broiler Value Chain Business as a Vocation After Graduation. *SAGE Open*. <https://doi.org/10.1177/21582440251377153>
- Doris Yaa Osei, Samuel Obeng Apori, **Julius Kofi Hagan**, David Amedorme, Raphael Ayizanga (2024). Growth performance and carcass characteristics of rabbits fed concentrate diets containing graded levels of Brassica oleracea outer leaves and Musa paradisiaca leaves. *World Rabbit Science*. <https://doi.org/10.4995/wrs.2024.19616>

5. S.A. Ofori, J.K. Hagan, M. Teye, B.A. Hagan, N.N. Etim (2024). Response of two broiler genotypes to diets with varying levels of inclusion of palm kernel oil residue (PKOR). *Ghanaian Journal of Animal Science*.. <https://doi.org/10.4314/gjansci.v15i1.1>
6. Richard Asante Botwe, Julius Kofi Hagan, Samuel Ayeh Ofori, Bismark Yeboah (2023). Assessment of phenotypic variation in the local quail (*Coturnix coturnix*) populations of Ghana. *Journal of Innovative Agriculture*. <https://doi.org/10.37446/jinagri/rsa/10.1.2023.26-37>
7. Francis KRUENTI, Julius Kofi HAGAN, Samuel Ayeh OFORI, Vida Korkor LAMPTEY (2023). Variability in proximate and mineral compositions of yolk and albumen in eggs kept under different storage conditions. *Online Journal of Animal and Feed Research*. <https://doi.org/10.51227/ojafr.2023.26>
8. Francis KRUENTI, Julius Kofi HAGAN, Samuel Ayeh OFORI, Vida Korkor LAMPTEY, Stephen ADU (2022). Effect of strain and age of layer chickens on proximate contents of egg yolk and albumen. *Online Journal of Animal and Feed Research*. <https://doi.org/10.51227/ojafr.2022.37>
9. Abdulmojeed Yakubu, Galle Durven, Julius Hagan (2022). Multivariate analysis of body weight, morphometric and thermo-physiological traits of indigenous pigs under tropical conditions. *Genetics and Biodiversity Journal*. <https://doi.org/10.46325/gabj.v6i1.202>
10. Doris Yaa Osei, Samuel Obeng Apori, Julius Kofi Hagan, Nikki Asuming-Bediako, David Amedorme, Peter Asiedu (2022). Sensory characteristics of meat from rabbits fed concentrate diets containing Brassica oleracea outer leaves and Musa paradisiaca leaves. *Ghana Journal of Science Technology and Development*. <https://doi.org/10.47881/378.967x>
11. Vida Korkor Lamptey, Julius Kofi Hagan, Bernard Ato Hagan, Francis Kruenti, Doris Yaa Osei (2022). The influence of sex and age on growth rate of domestic rabbits (*Oryctolagus cuniculus*). *Journal of Innovative Agriculture*. <https://doi.org/10.37446/jinagri/rsa/9.2.2022.21-27>
12. Francis Kruenti, Julius Kofi Hagan, Maxwell Okai Ansong, Vida Korkor Lamptey (2022). The quality of white and brown chicken eggs kept under different storage length and storage temperatures. *Journal of Innovative Agriculture*. <https://doi.org/10.37446/jinagri/rsa/9.2.2022.1-11>
13. S. A. Ofori, J. K. Hagan (2021). Characteristics and trait preferences of West African Dwarf goat keepers in Ghana. *Tropical Animal Health and Production*. <https://doi.org/10.1007/s11250-021-02781-5>
14. S. A. Ofori, J. K. Hagan, F. Kyei (2021). Morphometric characterization and differentiation of West African Dwarf goat populations in Ghana. *Tropical Animal Health and Production*. <https://doi.org/10.1007/s11250-020-02498-x>
15. S.A. Ofori, J.K. Hagan, F. Kyei, N.N. Etim (2021). Phenotypic and genetic characterization of qualitative traits in the West African Dwarf goat of Ghana. *Scientific African*. <https://doi.org/10.1016/j.sciaf.2021.e00857>
16. NseAbasi NsikakAbasi Etim, JULIUS KOFI HAGAN, Gabriela Mancilla-Montelongo (2021). Testicular characteristics of West African Dwarf (WAD) rams administered aqueous *Aspilota africana* extract. *Makerere University Journal of Agricultural & Environmental Sciences*. <https://doi.org/10.70060/mak-jaes-2021-285>
17. Moses Teye, Victor Y.A. Barku, Julius K. Hagan (2020). Fatty Acid Profile, Carcass and Meat Quality Attributes of Rabbit Breeds in Ghana Fed Diets with Graded Levels of Palm (*Elaeis guineensis*) Kernel Oil Residue. *Advances in Animal and Veterinary Sciences*. <https://doi.org/10.17582/journal.aavs/2020/8.10.1091.1099>
18. S. A. Ofori, J. K. Hagan (2020). Genetic and non-genetic factors influencing the performance of the West African Dwarf (WAD) goat kept at the Kintampo Goat Breeding Station of Ghana. *Tropical Animal Health and Production*. <https://doi.org/10.1007/s11250-020-02276-9>
19. Thomas O. S. Akowuah, Ernest Teye, Julius Hagan, Kwasi Nyandey (2020). Rapid and Nondestructive Determination of Egg Freshness Category and Marked Date of Lay using Spectral Fingerprint. *Journal of Spectroscopy*. <https://doi.org/10.1155/2020/8838542>
20. J. K. Hagan, N. N. Etim (2018). The effects of breed, season and parity on the reproductive performance of pigs reared under hot and humid environments. *Tropical Animal Health and Production*. <https://doi.org/10.1007/s11250-018-1705-5>

21. K. Adomako, O.S. Olympio, J.K. Hagan, 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*. <https://doi.org/10.1080/00071668.2014.963026>
22. Samuel Obeng Apori, Julius Kofi Hagan, Yaa Doris Osei (2014). Growth and reproductive performance of two rabbit breeds reared under intensive system in Ghana. *Tropical Animal Health and Production*. <https://doi.org/10.1007/s11250-014-0714-2>
23. K. Adomako, O. S. Olympio, J. K. Hagan, J. A. Hamidu (2014). Growth performance of crossbred naked neck and normal feathered laying hens kept in tropical villages. *British Poultry Science*. <https://doi.org/10.1080/00071668.2014.960805>
24. T. R. Fayeye, J. K. Hagan, A. R. Obadare (2014). MORPHOMETRIC TRAITS AND CORRELATION BETWEEN BODY WEIGHT AND BODY SIZE TRAITS IN ISA BROWN AND ILORIN ECOTYPE CHICKENS. *Iranian journal of applied animal science*.
25. Samuel Obeng Apori, Julius Kofi Hagan (2014). The effect of non-genetic factors on the reproductive performance of Sanga and Friesian × Sanga crossbred dairy cattle breeds kept under hot and humid environment. *Tropical Animal Health and Production*. <https://doi.org/10.1007/s11250-014-0604-7>
26. Julius K. Hagan, Kwaku Adomako, Simon Oscar Olympio (2013). Effect of incorporation of thermo-regulatory genes into exotic layers on egg production and quality under tropical environment. *Tropical Animal Health and Production*. <https://doi.org/10.1007/s11250-013-0457-5>
27. J. K. Hagan, Samuel Obeng Apori (2013). The egg production performance of three layer strains kept under intensive system in the hot and humid tropics. *Scientific Journal of Animal Science*. <https://doi.org/10.14196/sjas.v2i6.742>