**RESEARCH INTEREST AND FIELD PROJECTS**



**MICHAEL BOATENG, PhD**

**Department of Animal Science, Faculty of Agriculture**

Kwame Nkrumah University of Science and Technology (**KNUST**), Kumasi, Ghana.

Phone: +233-208-25 89 89; +233 202 773 773

Email: [**mikeboatgh@yahoo.com**](mailto:mikeboatgh@yahoo.com)**;** [**michaelboateng@knust.edu.gh**](mailto:michaelboateng@knust.edu.gh)

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| * Pig Production * Feed evaluation |
| * Enzymes application in non-ruminant diets |
| * Nutritional evaluation of quality protein maize (QPM) |
| * Direct-fed microbials (probiotics) in non-ruminant diets |
| * Organic/ sustainable animal production |

**PROFESSIONAL AFFILIATIONS**

**PROFESSIONAL/ WORK EXPERIENCE**

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| * West African Network on Organic Agriculture Research & Training |
| * Ghana Society of Animal Production |
| * Ghana Animal Science Association |
| * University Teachers Association (UTAG). |

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| **ACADEMIC RANKS HELD** |
| 1. **Associate Professor,** Department of Animal Science, KNUST, Kumasi, Ghana, Aug., 2022 to date |
| 1. **Senior Lecturer**, Department of Animal Science, KNUST, Kumasi, Ghana, Dec., 2016 to July, 2022 |
| 1. **Lecturer,** Department of Animal Science, KNUST, Kumasi, Ghana, Dec., 2011 to July, 2016 |
| 1. **Demonstrator,** Department of Animal Science, KNUST, Kumasi, Ghana, 2007 |
| 1. **Visiting Scholar,** Agriculture & Agri-Food Canada, Lethbridge Research Centre, Canada, 2008 |
| 1. **Teaching and Research Assistant,** Department of Animal Science, KNUST, Kumasi, Ghana, Sept. 2004 to Aug., 2005 |

**COMMUNITY SERVICE: LOCAL/ NATIONAL/ INTERNATIONAL**

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| 1. **Co-chairman,** 2nd Joint Conference of the Ghana Society of Animal Production (GSAP) and Ghana Animal Science held on 28th August to 1st September 2023 at the Kwame Nkrumah University of Science and Technology in Kumasi, Ghana. |
| 1. **Consultant,** Regional Pig Farmers Association, 2023 to date |
| 1. **Member,** 70th Anniversary Planning Committee, Faculty of Agriculture, KNUST |
| 1. **Associate Editor (Monogastric),** Ghanaian Journal of Animal Science, 2022 to date |
| 1. **Member,** KNUST Alumni Working Group, 2022 |
| 1. **Member,** CollegeMentorship Committee, College of Agriculture & Natural Resources, 2022 to date |
| 1. **Head,** Department of Animal Science, KNUST, August, 2019 to December, 2021 |
| 1. **Associate Editor,** Open Agriculture, (Elsevier – SCOPUS) Walter de Gruyter GmbH, 2018 to date |
| 1. **External Examiner**, Department of Animal Science, University of Education, Mampong Campus, 2019. |
| 1. **Member, Academic Board**, KNUST, 2019 to date (College of Agriculture & Natural Resources Non-Professorial Rep. to Academic Board) |
| 1. **Member, College Board**, College of Agriculture & Natural Resources KNUST, 2019 to date |
| 1. **Website Content Manager**, Faculty of Agriculture, KNUST, August, 2018 to 2021 |
| 1. **Head**, Poultry Section of the Department of Animal Science, KNUST, August, 2017 to date |
| 1. **Head of Commercialization and Purchases**, Department of Animal Science, KNUST, August, 2017 to 2019 |
| 1. **Reviewer**, Annual Research & Review in Biology (Science Domain), 2017 to date |
| 1. **Member**, Thesis Guidelines Committee, Department of Animal Science, January, 2017 |
| 1. **Examinations Officer**, Department of Animal Science, August, 2016 to 2019 |
| 1. **Member**, Vacation Training Review Committee, Faculty of Agriculture, KNUST. |
| 1. **Team Leader,** National Best Farmer Selection Team, Ministry of Food & Agriculture, Sept. to Nov., 2015 |
| 1. **Member**, National Best Farmer Selection Team, Ministry of Food & Agriculture, |
| 1. **Member**, Exhibition Committee, Department of Animal Science, KNUST |
| 1. **Resource person**, Best Envirotech for research and sales promotion of RE3 probiotics |
| 1. **Resource person**, Nutristar (Gh) Limited. Sales promotion of feed additives |
| 1. **Member**, Panel of Reviewers, Pacific Journal of Life Sciences |
| 1. **Head**, Livestock Section, Department of Animal Science, KNUST, October, 2013 to 2017 |
| 1. **Coordinator**, Graduate & Undergraduate Seminar, Department of Animal Science, KNUST, August, 2013 to July, 2016 |
| 1. **Coordinator**, Council for Technical & Vocational Education & Training - Skills Development Fund (COTVET-SDF) Projects, Department of Animal Science, October, 2013 to 2018 |
| 1. **Academic Tutor**, Faculty of Agriculture, 2012 to date |
| 1. **Reviewe**r, Ghanaian Journal of Animal Science, 2012 to date |
| 1. **Secretary of the LOC**, 1st Training of Trainers Workshop, West Africa Network on Organic Agriculture Research & Training (WANOART), August, 2012 |
| 1. **Secretary**, LOC of the 16th Biennial Conference of the Ghana Society of Animal Production (GSAP), August, 2007 & 2009. |
| 1. **Co-Editor**, Proceedings of the 15th and 16th Biennial Conferences of the Ghana Society of Animal Production (GSAP), August, 2007 & 2009. |

**POSTGRADUATES AND TITLE OF THESES SUPERVISED**

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| **Doctor of Philosophy** |
| * Gyeabuor Kyerh Clement (2025). Effects of photoperiod and season on production and reproductive performance of the pearl Guinea Fowl (Numida meleagris) |
| * Yeboah Ernest Darkwah (2026). Phytobiotic Potentials of *Voacanga africana* on pigs. |
| * Owusu, Kwame Amoah (Graduated 2022). Utilization of indigenous microorganisms to promote health and growth of pigs. |
| * Gyamera, Emmanuel (Graduated 2019). Evaluation and improvement of the nutritional quality of palm kernel oil residue (PKOR) for use as feed ingredient for growing-finishing pigs. |
| **Master of Science/ Master of Philosophy** |
| * Benjamin Frimpong (2024). Phytobiotic Potential of Dried Ginger Residue using albino rat as a model for pigs |
| * Atuahene Paul Yaw (2022). Fruits wastes as a feed resource: Chemical profile and growth performance of pigs. |
| * Boakye Dankwa Collins (2022). Fruits wastes as a feed resource: Chemical profile and growth performance of pigs. |
| * Barnieh Poakwa (2019). Effects of some locally produced dietary oils on the growth performance and carcass characteristics of albino rats and grower – finisher pigs fed agro-industrial by-products based diets. |
| * Okley, Nii Odoi Dennis (2018). Responses of Large White weaner pigs to doses of Paenibacillus spp administered a direct-fed microbial. * Farr, Hannah Moncon (2015). Nutritive value of variously processed rubber seed meals: growth and reproductive performance studies using the laboratory rat as model for pigs. |
| * Amponsah, Bright Kwame (2015). Rice bran as a feed resource in crop-livestock systems: Impact on growth performance, body condition scores, carcass traits and blood profile of rural pigs in the Upper East Region of Ghana. |
| * Frimpong, Yaw Oppong (2013). Growth and reproductive performance and maternal and piglet blood profiles of pigs fed diets containing differing direct-fed microbial products. - |
| * Okungbowa, Solomon Osarumwense (2013). Growth performance, gut microbial profile and carcass characteristics of growing pigs fed diets containing three differing (RE3, RE3 PLUS and P3) DFM products. |
| **Undergraduates** |
| * Over 50 undergraduate theses supervised since 2012 |

**PEER-REVIEWED JOURNAL ARTICLES**

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| --- | --- |
|  | Kyere, C. G., Poku, Jnr. P. A., **Boateng, M.,** Korankye, D. O. and Twumasi, G. (2023). Production performance and physiological responses of Guinea fowls fed different levels of dietary moringa leaf meal. Livestock Research for Rural Development. Volume 35, Article #71. Retrieved May 7, 2024, from http://www.lrrd.org/lrrd35/8/3571kyer.html |
|  | Boakye, C.D., **Boateng, M.,** Amoah, K.O., Atuahene, P.Y., Frimpong, Y.O. and Okai, D.B. (2022). Availability and yield of pineapple pulp residue as a potential feed ingredient in Ghana. Ghanaian J. Anim. Sci., 13 (2): 84-91 |
|  | **M. Boateng,** P. Y. Atuahene, K. O. Amoah, Y. O. Frimpong, D. B. Okai (2022). Incidence of Blood and Meat Spots in Eggs from a Commercial Poultry Farm Ghana Journal of Science 63(1): 90-96. |
|  | **M. Boateng**, K. O. Amoah, P. Y. Atuahene, Y.O. Frimpong, D.B. Okai and G. Osei, (2021). Effects of dried cashew (*Anacardium occidentale L.*) apple meal (DCAM) on the growth performance and internal organs of albino rats. Ghana J. Agric. Sci. (GJAS). 56(2):14-21. **DOI:**[10.4314/gjas.v56i2.2](https://doi.org/10.4314/gjas.v56i2.2) |
|  | Y.O. Frimpong, **M. Boateng**, K.O. Amoah, P.Y. Atuahene, S.O. Okungbowa, J. Baah, D.B. Okai, (2021) Response of large white gilts to diets containing differing probiotic products. Scientific African, Volume 13, e00878, https://doi.org/10.1016/j.sciaf.2021.e00878. |
|  | **Boateng, M.,** Amoah, K. O., Frimpong, Y.O., Atuahene, P. Y., Okai, D.B. and Cudjoe, E. (2020). Gari and Garico: replacement for maize in the diets of albino rats – a model for pigs. Ghanaian J. Anim. Sci. 11(1): 189-195. |
|  | **Boateng, M**., Atuahene, P.Y., Amoah, K.O., Frimpong, Y.O., Okai, D.B., Agborson, S.M. and Amoo, D.N.D. (2020). Assessment of the production, nutrient composition and some mineral elements levels in corn-mill sweepings (CMS) from various sources in the Kumasi metropolis Ghanaian J. Anim. Sci. 11(1): 27-38. |
|  | **Boateng, M.,** Amoah, K.O., Frimpong, Y. O., Atuahene, P. Y., Okai, D. B. and Deku, P.N. (2020). Garico: a new food or feed resource? Ghanaian J. Anim. Sci. 11(1): 16-26. |
|  | Damsere, J. D., **Boateng, M.,** Amoah, K. O., Frimpong, Y. O. and Okai, D. B. (2020). The response of pigs to diets containing varying levels of cocoa placenta meal (CPM) supplemented with an exogenous enzyme complex. African Journal of Agricultural Research, 15 (4): 538-545. |
|  | **Boateng, M.,** Frimpong, Y. O., Okai, D. B., Amoah, K. O., Frimpong, B. and Anane, E. (2019). A preliminary study on different types of soybean meal on the Ghanaian market. Ghanaian Journal of Animal Science; 10(1): 109-114 |
|  | Amoah, K. O., **Boateng, M.,** Okai, D. B., Frimpong, Y. O. and Appiah-Kubi, M. (2019). The effects of diet particle size on growth performance and carcass traits of albino rats. Ghanaian Journal of Animal Science; 10(1): 96-101 |
|  | **Boateng, M.**, Okai, D. B., Amoah, K. O., Boateng, J. O., Frimpong, Y. O. and Atuahene, P. Y. (2019). Occurrence of blood and meat spots in eggs processed and sold by commercial fried eggs (chibom) sellers at three locations in the Ashanti Region of Ghana. Ghanaian Journal of Animal Science; 10(1): 51-57 |
|  | **Boateng, M.,** Okai, D. B., Frimpong, Y. O., Amoah, K. O., Boateng, E. A. and Atuahene, P. Y. (2019). Dried yam peel meal (DYPM) as a partial replacement for maize in diets of albino rats. Ghanaian Journal of Animal Science; 10(1): 102-108 |
|  | Farr, H. M., Donkoh. A., **Boateng, M.** and Mensah, K. B. (2019). Effect of variously-processed rubber seed meals on reproductive performance: The use of Sprague-Dawley laboratory rats as model for pig. Journal of Animal Science and Veterinary Medicine, 4(5), pages 167-172. |
|  | **Boateng, M.,** Okai, D. B., Opoku-Asenso, A., Aye, K. A. and Frimpong, Y. O. (2019). Cocoa placenta meal: yield estimates, nutrient composition and response of albino rats to diets containing graded levels supplemented with XzymeTM an exogenous enzyme- probiotic complex. Bulletin of Animal Health and Production in Africa, 67 (2): 141-150. |
|  | Farr, H. M., Donkoh. A., **Boateng, M.** and Mensah, K. B. (2019). Evaluation of methods of processing rubber seed meal in terms of chemical composition and energy value. *Livestock Research for Rural Development. Volume 31(6), Article #93.* |
|  | Amoah, K. O., **Boateng, M.** and Okai, D. B. (2018). Anti-nutritional factors and their relevance to monogastric animal agriculture in Ghana: some important considerations. Ghanaian J. Anim. Sci.:9(2):1-15. |
|  | Amponsah, B. K., **Boateng, M.**, Okai, D. B. and Larbi, A. (2018). Indigenous pig production in some communities in the Upper West Region of Ghana. Ghanaian J. Anim. Sci. 9(2):89-97 |
|  | Amponsah, B. K., **Boateng, M.**, Okai, D. B. and Larbi, A. (2018). Rural pig production and husbandry practices in the Upper East Region of Ghana. Ghanaian J. Anim. Sci. 9(2):81-88 |
|  | **Boateng, M.**, Okai, D. B., Frimpong, Y. O., Ntim, A. and Acheampong, Y. S. (2018). Entomophagous response of albino rats to cockroach (*Periplaneta americana*) meal. Open Agriculture, 3: 220–225. **DOI:**<https://doi.org/10.1515/opag-2018-0023> |
|  | Okai, D. B., **Boateng, M.,** Frimpong, Y. O., Macaire, C. O. and Anane, E. (2018). Trends in pig slaughtering at the Kumasi Abattoir Company Limited (KACL) from 2010 to 2015. Ghanaian J. Anim. Sci. :9(1)108-111 |
|  | Okai, D. B., **Boateng, M.,** Frimpong, Y. O., Anane, E. and Macaire, C. O. (2018). Origin and condition of pigs slaughtered at the Kumasi Abattoir Company Limited (KACL) at Kaase, Kumasi. Ghanaian J. Anim. Sci.:9(1) 44-48. |
|  | H. M. Farr, A. Donkoh, **M. Boateng** and K. B. Mensah (2017). Assessment of the nutritional quality of variously-processed rubber seed meals as dietary ingredients using the laboratory rat as model for pigs. Bulletin of Animal Health and Production in Africa, 65 (4): 599-606. |
|  | Okai, D. B., **Boateng, M.**, Ewool, M. B., Ankamaa, D. and Osarumwense, S. O. (2015). Nutritional evaluation of some new maize varieties: effects on growth performance and carcass traits of albino rats. *African Journal of Food Agriculture Nutrition and Development*, 12: (4) 10305-10316. <http://www.ajfand.net/Volume15/No4/Boateng14035.pdf> |
|  | Manu, F. Okai, D. B., **Boateng, M.** and Frimpong, Y. O. (2015). The proximate composition, mineral profile, pests and microbial status of Discarded Biscuits (DB) – a non-conventional feed resource. *African Journal of Food Agriculture Nutrition and Development*, 15: (4) 10241-10254. [http://www.ajfand.net/Volume15/No4/Boateng14085.pdf](http://www.ajfand.net/Volume15/No4/Boateng14085.pdf%20) |
|  | **M. Boateng,** D. B. Okai, Y. O. Frimpong and Y. Y. Zeebone (2015). Wet brewers’ spent grains and wet brewers’ spent: problems associated with their usage and suggested solutions: A case study of the Ejisu-Juaben Municipality. Livestock Research for Rural Development 27, Article #5. Retrieved from <http://www.lrrd.org/lrrd27/1/boat27005.htm> |
|  | **Boateng, M.,** Okai, D. B., Frimpong, Y. O. and Aning, J. (2014). Proximate composition and influence of dried pawpaw peel meal (DPPM) on the growth performance and carcass composition of albino rats. Ghanaian J. Anim. Sci. 8 (1): 147-153 |
|  | **Boateng, M.,** Okai, D. B., Frimpong, Y. O. and Osei, A. Y. (2014). Proximate composition and the effects of feeding dried pawpaw leaf meal (DPLM) on the growth, economic and carcass traits of albino rats. Ghanaian J. Anim. Sci. 8 (1):52-58 |
|  | **Boateng, M.,** Okai, D. B., Frimpong, Y. O. and Asumang-Owusu, A. (2014). Problems associated with the use of wet brewers’ spent grains (WBSG) and brewers’ spent yeast (WBSY), and possible solutions: A case study of some Afigya-Kwabre Pig Farmers, Ashanti Region, Ghanaian J. Anim. Sci. 8 (1): 45-51 |
|  | **M. Boateng,** D. B. Okai, Y. O. Frimpong and C. O. Asabere, (2014). A comparative study of the nutritional and microbial profiles of the raw and processed seeds of the African Locust Bean (*Parkia biglobosa*). Livestock Research for Rural Development 26, Article #178. Retrieved, from <http://www.lrrd.org/lrrd26/10/boat26178.htm> |
|  | Osei, S. A., Owusu M., Pomaa-Yeboah, P. and **Boateng, M.** (2013). Students' perception of organic agriculture and organic foods. *Ghanaian Journal of Animal Science*, 7(2): 147-155. |
|  | **Boateng, M.,** Okai, D. B., Boakye, M. and Ewool, M. B. (2013). The effects of Obatanpa (a QPM variety), normal maize and normal maize plus l-lysine diets on growth performance and carcass traits of albino rats. *Ghanaian Journal of Animal Science*, 7(2): 48-53. |
|  | **Boateng, M.,** Okai, D. B., Aryee, S. N. D. and Frimpong, Y. O. (2013). The effects of Xzyme™ (An exogenous enzymes-probiotics complex) as a feed additive on the growth performance, carcass composition and blood profile of growing pigs fed high rice bran-based diets. *Ghanaian Journal of Animal Science*, 7(2): 40-47. |
|  | **Boateng, M.,** Okai, D. B., Donkoh, A. and Baah, J. (2013). Effect of processing method on the quality of palm kernel cake: Chemical composition and nutrient utilization in enzyme supplemented diets. African Journal of Agricultural Research, 8 (42):5226-5231. |
|  | Okai, D. B., **Boateng, M.,** Armah, W. N. L. and Frimpong, Y. O. (2013**).** Responses of albino rats to high rice bran diets: effects of type of rice bran and level of Xzyme™ (an exogenous enzymes + probiotics feed additive). *Journal of Animal Feed Research*, 3(5):205-209. |
|  | Salifu,A-R. S., Okai, D. B. and **Boateng, M.** (2013).Haematological and serum biochemical parameters of growing-finishing pigs fed diets containing four different maize varieties. *Ghanaian Journal of Animal Science*, 7(1): 99-104. |
|  | Abora, N. Okai, D. B. and **Boateng, M.** (2013).Soyabean milk residue: production practices and effects of dietary inclusion on the growth performance, blood profile and carcass characteristics of growing pigs. *Ghanaian Journal of Animal Science*, 7(1): 46-53. |
|  | Darkwa, S., Okai, D. B., **Boateng, M.** and Amoah, K. O. (2013).Responses of growing rats and pigs to diets containing varying levels of dried brewers’ spent grains supplemented with Bergazym-an exogenous enzyme complex. *Journal of Animal Science Advances*, 3(6): 284-290. doi: [10.5455/jasa.20130331020223](http://dx.doi.org/10.5455/jasa.20130331020223) |
|  | **Boateng, M.,** Okai, D. B. and Amponsah, B. K.(2013).The influence an exogenous enzymes-probiotics complex on the growth performance and carcass traits of albino rats fed diets containing up to 60% rice bran. *Journal of Animal Feed Research*, 3(1):23-27. |
|  | **Boateng, M.,** Okai, D. B., Salifu, A-R. S. and Ewool, M. B. (2012). A comparative study of two normal Maize and two Quality Protein Maize varieties-Effects on growth performance and carcass characteristics of albino rats. *Journal of Animal Science Advances*, 2(9): 787-792 |
|  | Salifu,A-R. S., Okai, D. B., **Boateng, M.** and Ewool, M. B. (2012). A comparative study of the local Ghanaian maize, imported yellow maize and two new Quality Protein Maize (QPM) varieties-Etubi and Golden Jubilee-Effects on the growth performance and carcass characteristics of pigs. *Journal of Animal Feed Research*, 2(3): 218-223 |
|  | Tengan, D. K., Okai, D. B., **Boateng, M.** and Karbo, N. (2012). Nutritional evaluation of African Locust Bean (*Parkia biglobosa*) pulp (ALBP) – Fruit fractions, nutrient profiles and the effect of the pulp on growth performance, blood constituents and carcass characteristics of growing pigs. Ghanaian Journal of Animal Science, 6(1): 53-61. |
|  | **Boateng, M.,** Okai, D. B., Aidoo, G. N. and Agyei, G. (2010). Exogenous enzymes utilization in Ghana: Knowledge of and usage by pig and poultry farmers in the Ashanti and Greater Accra Regions. Ghanaian Journal of Animal Science, 5(2):41-48. |
|  | Mettle, S. S., Okai, D. B. and **Boateng, M.** (2010). Growth performance, carcass characteristics, haematology and blood biochemical indices of growing pigs fed diets containing a cassava peel meal and bovine blood (Blocassap) mixture. Ghanaian Journal of Animal Science, 5(2):9-16. |
|  | **Boateng, M.**, Okai, D. B., Baah, J. and Donkoh, A. (2008). Palm kernel cake extraction and utilization in pig and poultry diets in Ghana. Livestock Research for Rural Development 20(7)2008 (Article No. 99). http//www.cipav.org.10lrrd20/7/boat2009.htm |
|  | Okai, D. B. and **Boateng, M.** (2007). Pig Nutrition Research in Ghana – Some achievements, prospects and challenges. Ghanaian Journal of Animal Science 23(1):19-25. |

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|  | **(b) EDITED CONFERENCE/SYMPOSIUM PROCEEDINGS – NATIONAL AND INTERNATIONAL** |
|  | Gyamera, E., **Okai, D. B.**, Boateng, M. and Apori, S. O. (2017). Effects of time of collection on some chemical and microbial characteristics of palm kernel oil residue. Proc. 20th Biennial Conf. Gh. Soc. Anim. Prod. (GSAP)., Univ. of Cape Coast, Cape Coast. pp 244-249. |
|  | Ogbuewu, I. P., Nwogu, C. M. and **Boateng, M.** (2017). Efficacy of neem leaf meal on feed intake, nutrient utilization and weight gain rabbits. Proceedings of 20th Biennial Conference of the Ghana Society of Animal Production, University of Cape Coast, Ghana. p. 87-91. |
|  | Gyamera, E., **Okai, D. B.**, Boateng, M. and Apori, S. O. (2016). Growth performance and some carcass traits of albino rats fed diets containing palm kernel oil residue processed at different temperatures. Proc. 33rd GASA Symp., Univ. Dev. Studies, Tamale, pp 43-47 |
|  | **Okai, D. B.**, Boateng, M., Akiem, L. B., Ntim, S. S. and Frimpong, Y. O. (2016). Influence of heat treatment and time on pH, and microbial and crude protein profiles of wet brewers’ spent yeast. Proc. 33rd GASA Symp., Univ. Dev. Studies, Tamale, pp 411 – 416. |
|  | **Okai, D. B.**, Boateng, M., Frimpong, Y. O., Opoku-Asenso, A., Asamoah, I. and Okai, D. V. D. (2016). Baobab seed meal (BSM) – A new feed resource: response of albino rats to diets containing graded levels with or without Xzyme™ – an exogenous enzymes plus probiotics feed additive. Proc. 33rd GASA Symp., Univ. Dev. Studies, Tamale, pp 294 – 300. |
|  | Boateng, M., **Okai, D.B.**, Aryee,S.N.D. and Amponsah, B.K. (2013). Growth performance, carcass and haematological characteristics of growing-finishing pigs fed high rice bran-based diets supplemented with Xzyme™ (An exogenous enzyme-probiotic complex). Proc. 18th Biennial Conf. Gh. Soc. Anim. Prod. (GSAP), Univ. of Ghana, Legon, Accra. p. 260-266. |
|  | **Okai, D. B.,** Boateng, M. and Ababio, B. (2013). Growth performance and carcass characteristics of albino rats fed diets containing palm kernel cake (PKC) and two synthetic amino acids (L -Lysine and DL-Methionine). Proc. 18th Biennial Conf. Gh. Soc. Anim. Prod. (GSAP), Univ. of Ghana, Legon, Accra. p. 271-275. |
|  | **Okai, D. B.**, Boateng,M. and Amponsah,B.K. (2012). The influence of a commercial product containing exogenous enzymes and probiotics on the growth performance and carcass traits of albino rats fed diets containing up to 60 % rice bran. Proc. 31st GASA Symp., Anim. Res. Inst., Fafraha-Accra. (Abstr.) p. 14. |
|  | **Boateng, M.,** Okai, D. B., Baah,J., Donkoh,A. and Mangalindan,J.F. (2010). Growth performance and carcass characteristics of growing-finishing pigs fed palm kernel cake-based diets supplemented with Mannanase PLT™, an exogenous enzyme. Proc. First Nigerian International Pig Summit, Moor Plantation, Ibadan, Nigeria. pp. 93-98 |
|  | **Boateng,M.,** Okai, D. B., Baah,J., Donkoh,A. and Mangalindan,J.F. (2010). Evaluation of palm kernel cake as non-ruminant feed ingredient. Proc. Agropolis Foundation/ French Initiative for International Agricultural Research (FI4IAR)/ International Foundation for Science (IFS)/ Young Professionals Platform for Agricultural Research for Development (YPARD). International Young Researchers Seminar, 2010. Montpellier, France. pp.77-80. |
|  | Okai, D. B., **Boateng, M.,** Amoah,K.O. and Amoh,I. (2009). Nature and types of processed meat products available in Kumasi markets. Proc. of 16th Biennial Conf. Gh. Soc. Anim. Prod., Fac. of Agric., KNUST, Kumasi. pp 195-198 |
|  | Okai, D. B., **Boateng, M.** and Boakye,C.D. (2009). Incidence of plastics in the rumens of cattle, sheep and goats slaughtered at the Effiduase Abattoir. Proc. of 16th Biennial Conf. Gh. Soc. Anim. Prod., Fac. of Agric., KNUST, Kumasi. pp186-189 |
|  | Okai, D. B., **Boateng, M.,** Amoah,K.O., Saah,E. and Mills,E.E. (2009). The effect of dried sweet orange pulp (DSOP) on the growth performance and carcass characteristics of albino rats: A preliminary study. Proc. of 16th Biennial Conf. Gh. Soc. Anim. Prod., Fac. of Agric., KNUST, Kumasi. pp181-185 |
|  | **Boateng,M.,** Okai, D. B., Baah,J. and Donkoh,A. (2008). Effects of processing method on the quality of palm kernel cake in non-ruminant diets. Proc. 10th World Conference on Animal Production (WCAP), Cape Town, South Africa. Abstract/Poster No. 30, p.92. |
|  | Okai, D. B., **Boateng,M.** and Amofa,M. (2007). Development and evaluation of smoked (pork) sausages containing pig skin: A preliminary study. Proc. of 15th Biennial Conf. & 21st Ann. Gen. Mtg., Gh. Soc. Anim. Prod., Fac. of Agric., KNUST, Kumasi. pp. 135-139. |
|  | Okai, D. B., **Boateng, M**. and Opoku-Agyemang,H. (2007). The incidence of plastics in the rumens of cattle, sheep and goats. Proc. of 15th Biennial Conf. & 21st Ann. Gen. Mtg., Gh. Soc. Anim. Prod., Fac. of Agric., KNUST, Kumasi. pp. 119-123. |
|  | Okai, D. B., Ohene-Takyi, L. and **Boateng, M**. (2005). Manure disposal techniques/methods in Akropong and its environs, within the Atwima District of Ashanti Region. Proc. 14th Biennial Conf. 19th Ann. Gen. Mtg; Gh. Soc. Anim. Prod., Radach Memorial Centre, Tamale. pp.103-107. |

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| 1. Okai,D.B. and **Boateng, M.** (2014). Utilisation of a direct-fed microbial (DFM) known as pig performance enhancer (RE-3): our experiences. A paper presented at the Best Envirotech - Boris B re-launch of RE-3 on 6th February, 2014 at Miklin Hotel, Kumasi.   **OTHER CONFERENCE/SYMPOSIUM/ WORKSHOP PROCEEDINGS**   1. **Boateng, M.** and Okai, D. B.(2013)**.** Pig welfare: Experiences from the field. A paper presented at the Nutristar Seminar for pig farmers in the Ashanti Region on 5th November, 2013 at Miklin Hotel, Kumasi. 2. Okai,D.B.and **Boateng, M.** (2013). Improving the nutrition of pigs in commercial operations in Ghana. A paper presented at the Nutristar Seminar for pig farmers in the Ashanti Region on 5th November, 2013 at Miklin Hotel, Kumasi. 3. **Boateng, M.** and Frimpong, Y. O. (2013). Organic Agriculture in Ghana: Strengths, weaknesses, opportunities and threats. A paper presented as part of the Edulink Staff-student Mobility Exchange at the COLANIM Auditorium, Federal University of Agriculture, Abeokuta, Nigeria on 21st March, 2013. 4. Okai,D.B.and **Boateng, M.** (2012). Reducing feed cost in commercial pig farming. Paper presented at a poultry, pig and other livestock farmers seminar organized by Agricare Limited, at Ejisu Municipal Assembly Hall, Ejisu, Ashanti Region. 7pp. 5. Okai,D.B., **Boateng, M.,** Oppong-Anane,K. and Baah,J. (2010). On-farm feeding trial of pigs using a direct-fed microbial (DFM) known as pig performance enhancer (RE-3). 1st Nigerian International Pig Summit, IAR&T, Ibadan, Nigeria, Poster presentation. 6. Okai,D.B. and **Boateng, M**. (2006). Improving the Nutritive Value of Agro-Industrial By-products (AIBPs) and Non-Conventional Feed Resources (NCFRs). Paper presented at the Refresher Workshop for some staff of the Animal Production Directorate of MoFA, Department of Animal Science, KNUST, Kumasi. 3 pp. 7. Okai, D. B., Akowuah, J. K. and **Boateng, M.** (2006). Processing and Marketing of Livestock Products – II. Meat and By-products. Paper presented at the Refresher Workshop for some staff of the Animal Production Directorate of MoFA, Department of Animal Science, KNUST, Kumasi. 2 pp. 8. Okai, D. B. and **Boateng, M.** (2006). Feed Formulation. Paper presented at the Refresher Workshop for some staff of the Animal Production Directorate of MoFA, Department of Animal Science, KNUST, Kumasi. 5 pp. 9. Okai, D. B. and **Boateng, M.** (2006). The status of the animal industry in Ghana. Paper presented at the Refresher Workshop for some staff of the Animal Production Directorate of MoFA, Department of Animal Science, KNUST, Kumasi. 3 pp. |

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| 1. Okai, D. B. and **Boateng, M**. (2016). An assessment of the value of baobab seed meal (BSM) as feed resource in the diet of monogastrics livestock using albino rats as a model. Tech. Report submitted to Golden Web Ghana Ltd., Chirapatre-Kumasi. 13 pp. |
| 1. Okai, D. B., Osei, S. A., Osafo, E. L. K., Antwi, C., **Boateng, M.** and Adomako, K. (2014). The effect of Direct-Fed Microbials on Poultry and Livestock Production. Report submitted to the Best Environmental Technologies Inc. (BEST INC.) Edmonton, Alberta, Canada. 67pp |
| 1. Okai, D.B. and **Boateng, M.** (2011). Pig Production Manual. Prisebs Publications, Kumasi. 43pp. |

**BOOKS & REPORTS**

**COURSES/WORKSHOPS/CONFERENCES/SEMINARS ATTENDED**

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| 1. Certificate in School Inspection organised by the National Inspectorate Board (National Schools Inspectorate Authority (NaSIA) | Sept, 2019 |
| 1. A course in meta-analysis organised by the AgriFoSe2030 programme at ICRAF in Nairobi, Kenya | Dec, 2016 |
| 1. Evonik Industries Poultry Nutrition Seminar, Theme: Exploring opportunities in poultry nutrition: the role of amino acids held at the Golden Tulip Hotel, Kumasi | May, 2014 |
| 1. Best Envirotech - Boris B re-launch of the feed additive RE-3™ held at Miklin Hotel, Kumasi. | Feb, 2014 |
| 1. 3rdKNUST Summer School under the theme “Repositioning KNUST as a Global Institution: Effective Research Management as a Tool.” From 26th August to 2nd September, 2013. | Sept, 2013 |
| 1. 4th Nigerian International Poultry Summit (NIPS), of the World Poultry Science Association Nigeria Branch, Held at the Federal University of Agriculture Abeokuta, Ogun State, Nigeria, 17th -21st February 2013. | Feb, 2013 |
| 1. Biennial Symposia of the Ghana Animal Science Association (GASA) | 2006 to date |
| 1. Agricare Ltd. Seminar for poultry, livestock and aquaculture farmers in the Ejisu Municipality, Municipal Assembly Hall, Ejisu. | 2012 |
| 1. Biennial Symposia of the Ghana Society of Animal Production (GSAP) | July, 2011 |
| 1. Global Conference on Agricultural Research for Development. Montpellier, France. | March, 2010 |
| 1. Laprovet/ Maridav Gh. Ltd. Seminar on Guides for better poultry management, Golden Tulip Kumasi City Hotel, Kumasi. | Sept, 2010 |
| 1. Refresher Course on Ruminant and Non-Ruminant Production for Animal Production Directorate’s Regional Development Officers and Livestock Specialists; Department of Animal Science, KNUST, Kumasi. March, 2007. | April, 2006 |

**HONORS, AWARDS & CERTIFICATES**

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| * Team Inspector Training Certificate, National Inspectorate Board (National Schools Inspectorate Authority (NaSIA) |
| * Certificate of participation, A course in meta-analysis organised by the AgriFoSe2030 programme at ICRAF in Nairobi, Kenya, Nov 28 - Dec 04. |
| * Certificate of participation, Poultry Nutrition Seminar on the theme "Exploring opportunities in poultry nutrition: the role of amino acids" organised by Evonik Industries held at the Golden Tulip Hotel, Kumasi on 8th May, 2014. |
| * Certificate of participation, 3rd KNUST Summer School, under the theme “Repositioning KNUST as a Global Institution: Effective Research Management as a Tool.” From 26th August to 2nd September, 2013. |
| * Certificate of participation, 4th Nigerian International Poultry Summit (NIPS) of the World Poultry Science Association Nigeria Branch, Held at the Federal University of Agriculture Abeokuta, Ogun State, Nigeria, 17th -21st February 2013. |
| * Certificate of participation, First WANOART Training of Trainers' Workshop in Organic Agriculture held at KNUST, Kumasi, August, from 5th to 15th August, 2012. An EU-ACP Edulink sponsored programme. |
| * Certificate of participation, First Nigerian International Pig Summit, Ibadan, Nigeria. 21st to 25th November, 2010. |
| * One of forty (40) young scientists elected from across the globe to make presentation at the Young Researchers Seminar, 2010 held in Montpellier, France. |
| * Centre for Tropical Agriculture, Scholarship to participate in the World Conference on Animal Production held in Cape Town, South Africa, November, 2008. |
| * Certificate of Training, Workplace Hazardous Materials Information System (WHMIS), Alberta, Canada, 2008 |