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RESEARCH

Interests Ruminant Nutrition

Areas Plant Science · Animal Science and Zoology · Agronomy and Crop Science · Pollution · Soil Science · Ecology, Evolution, Behavior and Systematics

RESEARCH SUMMARY

77	1,386	18	28	1.89	9%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 77 publications listed below, 1988–2026. Field-weighted impact is the mean over the 32 works scored for it; 1.00 is the world average for works of the same field, type and year. 3 of the 32 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Research scientist	2019–2028
faculty of agriculture, Uganda Martyrs University, Kampala, Uganda	
Teaching Associate	2018–2019
soil science, University of Cape Coast, Cape Coast, Ghana	

EDUCATION AND QUALIFICATIONS

Technological University Dublin	2021–present
Food Science and Environmental Health, Dublin, Ireland	
MSc. Agroecology	2019–2021
faculty of Agriculture, Uganda Martyrs University, Kampala, Uganda	
BSc Agriculture	2014–2018
University of Cape Coast, Cape Coast, Ghana	
West African Senior School Certificate Examination	2010–2013
General Science, Abuakwa state college, Kibi, Ghana	

PUBLICATIONS

Journal articles 67

1. Frank Idan, A Osman, Samuel Obeng Apori, C Antwi, Ebenezer Gyamera (2026). Assessing the Awareness, Willingness and Barriers to Pasture Cultivation Among Urban and Peri-Urban Cattle Farmers in Selected Communities of the Ashanti Region of Ghana. *Ghana Journal of Science, Technology and Development*. <https://gjstd.org/index.php/GJSTD/article/view/513>
2. Abdul Razak Ahmed, Abdul Aziz Karim, Samuel Obeng Apori (2026). Beet Necrotic Yellow Vein Virus: A Bibliometric and Scientometric Analysis. *Advances in Agriculture*. <https://doi.org/10.1155/aia/4213102>
3. Apori Samuel Obeng (2026). Biogenic chitosan-encapsulated Cu/ZnO nanocomposite surface coating inhibits MDR *Pseudomonas aeruginosa* biofilm establishment on orthopedic implants. *Saudi*

4. ELK Osafo, A OSMAN, Samuel Obeng Apori, C Antwi, F Idan, Ebenezer Gyamera (2026). Effects of concentrate supplement on feed intake, growth performance, blood parameters, and economics of production of N'dama calves fed Napier grass basal diet. *Animal Research International (ARI)*. <https://doi.org/10.5555/20260229497>
5. SO Apori (2026). Influence of Enhanced Rock Weathering of Nepheline-Syenite Tailings on Major and Trace Elements Accumulation in Wheat. *European Journal of Soil Science*. <https://doi.org/10.1111/ejss.70282>
6. Samuel Obeng Apori (2024). Assessment of nitrate and phosphate concentrations in discharge water from ditch networks across different peatland use types: Implications for sustainable peatland use management. *Sustainability*. <https://www.mdpi.com/2071-1050/16/15/6463>
7. Samuel Obeng Apori (2024). Bioaccumulation of Cr, Zn, Pb and Cu in *Ambrosia artemisiifolia* L. and *Erigeron canadensis* L. *Resources*. <https://www.mdpi.com/2079-9276/13/3/43>
8. A.A. Yunus, E.L.K. Osafo, A. Osman, S.O. Apori, V. Atttoh-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>
9. 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>
10. Samuel Obeng Apori (2024). Human health and ecological risk assessment of heavy metals in topsoil of different peatland use types. *Heliyon*. [https://www.cell.com/heliyon/fulltext/S2405-8440\(24\)09655-5](https://www.cell.com/heliyon/fulltext/S2405-8440(24)09655-5)
11. Albert Kobina Mensah, Apori Samuel Obeng, Prince Addai, Alexander Owusu-Ansah, De-Graft Emmanuel Johnson Owusu-Ansah (2024). Potentially harmful elements in mining sites in Ghana: assessment of their carcinogenic and non-carcinogenic health risks for children and adults. *Management of Environmental Quality An International Journal*. <https://doi.org/10.1108/meq-03-2024-0118>
12. Samuel Obeng Apori (2024). Soil organic matter components and characteristics of forest soil in spruce and sycamore plantations in the temperate region. *Discover Agriculture*. <https://doi.org/10.1007/s44279-024-00031-4>
13. Samuel Obeng Apori (2024). Topsoil organic carbon and soil pH across different peatland use types in Co-Offaly, Ireland. *Soil Science Annual*. <https://www.soilsa.com/Topsoil-organic-carbon-and-soil-pH-across-different-peatland-use-types-in-Co-Offaly,183768,0,2.html>
14. Samuel Obeng Apori (2023). Potential of coffee grounds as a Sandy Soil amendment and its effect on growth and fruit quality of strawberry. *management*. <https://www.academia.edu/download/100154398/Publication.pdf>
15. Apori Samuel Obeng (2023). Soil organic matter carbon chemistry signatures, hydrophobicity and humification index following land use change in temperate peat soils. *Heliyon*. [https://www.cell.com/heliyon/fulltext/S2405-8440\(23\)06555-6](https://www.cell.com/heliyon/fulltext/S2405-8440(23)06555-6)
16. Murongo Marius Flarian, Ayuke O. Frederick, Apori Obeng Samuel, Wangai K. John, Wacal Cosmas (2023). Variations in soil chemical properties and growth traits of tissue culture banana under bio-slurry soil amendments in Uganda. *Environmental Sustainability*. <https://doi.org/10.1007/s42398-023-00274-9>
17. HAGAN JULIUS KOFI, SO Apori, D Amedorme (2022). Essential and sulfur amino acid composition of five commonly fed tree leaves to rabbits in the coastal savannah zone of Ghana. *Ghanaian Journal of Animal Science*. <https://www.ajol.info/index.php/gjansci/article/view/246097>
18. Samuel Obeng Apori (2022). Mapping the restoration of degraded peatland as a research area: A scientometric review. *Frontiers in Environmental Science*. <https://doi.org/10.3389/fenvs.2022.942788>
19. Abdoulaye Fofana Fall, Grace Nakabonge, Joseph Ssekandi, Hassna Founoune-Mboup, Samuel Obeng Apori, Abibatou Ndiaye, Arfang Badji, Khady Ngom (2022). Roles of Arbuscular Mycorrhizal Fungi on Soil Fertility: Contribution in the Improvement of Physical, Chemical, and Biological Properties of the Soil.

20. 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>
21. Samuel Obeng Apori (2022). The biological activity of tea tree oil and hemp seed oil. *Applied Microbiology*. <https://www.mdpi.com/2673-8007/2/3/41>
22. Samuel Obeng Apori, John Byalebeka (2021). Contribution of corncob biochar to the chemical properties of a ferralsol in Uganda. *Arabian Journal of Geosciences*. <https://doi.org/10.1007/s12517-021-07722-y>
23. Samuel Obeng Apori, John Byalebeka, Marius Murongo, Joseph Ssekandi, Gordon Loguran Noel (2021). Effect of co-applied corncob biochar with farmyard manure and NPK fertilizer on tropical soil. *Resources Environment and Sustainability*. <https://doi.org/10.1016/j.resenv.2021.100034>
24. K. Muli Gideon, O. Apori Samuel, Ssekandi Joseph, Murongo Marius, Hanyabui Emmanuel (2021). Effect of linear view approach of weed management in agro-ecosystem: A review. *African Journal of Agricultural Research*. <https://doi.org/10.5897/ajar2020.15267>
25. Yeboah Asiamah Joshua, Plas Otwe Emmanuel, Danquah Andrews, Obeng Apori Samuel, Hanyabui Emmanuel (2021). Effect of spilled engine oil on soil quality indicators and physiological performance of maize, cowpea and sorghum. *African Journal of Environmental Science and Technology*. <https://doi.org/10.5897/ajest2021.2999>
26. Samuel Obeng Apori (2021). Hemp growth factors and extraction methods effect on antimicrobial activity of hemp seed oil: A systematic review. *Separations*. <https://www.mdpi.com/2297-8739/8/10/183>
27. Samuel Obeng Apori (2021). Hospital effluents and wastewater treatment plants: a source of oxytetracycline and antimicrobial-resistant bacteria in seafood. *Sustainability*. <https://www.mdpi.com/2071-1050/13/24/13967>
28. Abdoulaye Fofana Fall, Joseph Ssekandi, Amos Kipkemoi Ronoh, Samuel Obeng Apori, Abibatou Ndiaye, Beatrice Wamuyu Mbugua (2021). Impacts of COVID 19 Total Confinement on Rural Youth Food Security. *Journal of Food and Nutrition Sciences*. <https://doi.org/10.11648/j.jfns.20210904.11>
29. Wamuyu Mbugua Beatrice, Apori Obeng Samuel, Murongo Marius, Opoku-Agyemang Williams, Hanyabui Emmanuel, Fofana Fall Abdoulaye (2021). Impacts on access to factors of production among smallholder farmers in central Uganda during COVID-19 lockdown. *African Journal of Agricultural Research*. <https://doi.org/10.5897/ajar2021.15646>
30. Hanyabui Emmanuel, Obeng Apori Samuel, Akaba Selorm, Ssekandi Joseph (2021). Implementation of COVID-19 control measures: Effect on fertilizer supply and soil fertility in Africa. *African Journal of Agricultural Research*. <https://doi.org/10.5897/ajar2021.15621>
31. Samuel Obeng Apori, John Byalebeka, Gideon Kalii Muli (2021). Residual effects of corncob biochar on tropical degraded soil in central Uganda. *ENVIRONMENTAL SYSTEMS RESEARCH*. <https://doi.org/10.1186/s40068-021-00235-3>
32. Apori Samuel Obeng, Adams Sadick, Emmanuel Hanyabui, Mohammed Musah, Murongo Marius, Mark Kwasi Acheampong (2020). Evaluation of soil fertility status in oil palm plantations in the Western Region of Ghana. *AIMS Agriculture and Food*. <https://doi.org/10.3934/agrfood.2020.4.938>
33. Samuel Obeng Apori, Kofi Atiah, Emmanuel Hanyabui, John Byalebeka (2020). MORINGA OLEIFERA SEEDS AS A LOW-COST BIOSORBENT FOR REMOVING HEAVY METALS FROM WASTEWATER. *STED JOURNAL*. <https://doi.org/10.7251/sted2002045o>
34. Emmanuel Hanyabui, Samuel Obeng Apori, Kwame Agyei Frimpong, Kofi Atiah, Thomas Abindaw, Muhammed Ali, Joshua Yeboah Asiamah, John Byalebeka (2020). Phosphorus sorption in tropical soils. *AIMS Agriculture and Food*. <https://doi.org/10.3934/agrfood.2020.4.599>
35. Samuel Obeng Apori, Marius Murongo, Emmanuel Hanyabui, Kofi Atiah, John Byalebeka (2020). Potential of termite mounds and its surrounding soils as soil amendments in smallholder farms in central Uganda. *BMC Research Notes*. <https://doi.org/10.1186/s13104-020-05236-6>

36. Samuel Obeng Apori, Murongo Marius Flarian, Emmanuel Hanyabui, Gideon Kalii Muli, Beatrice Wamuyu (2020). Role of Military Termites (*Pseudocanthotermes militaris*) in Improving Soil Productivity in Tropical Agroecosystems. *Annual Research & Review in Biology*. <https://doi.org/10.9734/arrb/2020/v35i530221>
37. JY Asiamah, F Kyei, Samuel Obeng Apori, A Danquah (2020). The Potential of Biodiversity Utilization and Sustainable Development in Ghana. *Journal of Sustainable Development in Africa*. <https://openurl.ebsco.com/contentitem/gcd:144796137?sid=ebsco:plink:crawler-gcd&id=ebsco:gcd:144796137&crl=c&jrnl=15205509>
38. Haruna Baako, Adams Sadick, Kwame O. Awuah, Inusah Mahama, Apori S. Obeng (2019). Water Quality Appraisal in Selected Rivers at Atiwa Forest in the Eastern Region of Ghana. *Asian Journal of Environment & Ecology*. <https://doi.org/10.9734/ajee/2018/v8i330076>
39. O. S. Apori, E. Hanyabui, Y. J. Asiamah (2018). Remediation Technology for Copper Contaminated Soil: A Review. *Asian Soil Research Journal*. <https://doi.org/10.9734/asrj/2018/v1i326338>
40. M Teye, SO Apori (2015). Carcass parameters and sensory characteristics of broiler chicken fed diets containing palm (*Elaeis guineensis*) kernel oil residue. *International Journal of Current Microbiology and Applied Sciences*. <https://ir.ucc.edu.gh/server/api/core/bitstreams/ab7c73cb-c3e5-449b-809d-bbd7dcd199e0/content>
41. 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>
42. 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>
43. 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>
44. APORI SAMUEL OBENG. (2013). Trace metal concentrations in some tea leaves consumed in Ibadan, Nigeria. *African Journal of Agricultural Research*. https://academicjournals.org/article/article1386060831_Dawodu%20et%20al.pdf
45. K. Agyeman, S. O. Apori (2012). A Survey of browse plants used in feeding small ruminants in the Komenda- Edina-Eguafo-Abrem district (K.E.E.A) of the Central Region of Ghana. *South Asian Journal of Experimental Biology*. [https://doi.org/10.38150/sajeb.2\(5\).p196-203](https://doi.org/10.38150/sajeb.2(5).p196-203)
46. Maame Afua Nkrumah, Samuel Obeng Apori (2012). Curbing examination malpractices in Ghanaian tertiary institutions: The case of Takoradi Polytechnic. *Journal of Educational Management*. <https://doi.org/10.47963/jem.v6i.410>
47. HAGAN JULIUS KOFI, SO Apori, M Bosompem (2012). Morphological characteristics of indigenous goats in the coastal savannah and forest eco-zones of Ghana. *J. Anim. Sci. Adv.* https://www.researchgate.net/profile/Martin-Bosompem-2/publication/315053011_Morphological_Characteristics_of_Indigenous_Goats_in_the_Coastal_Savannah_and_Forest_Eco-Zones_of_Ghana/links/58c9294eaca2721e66790617/Morphological-Characteristics-of-Indigenous-Goats-in-the-Coastal-Savannah-and-Forest-Eco-Zones-of-Ghana.pdf
48. SO Apori, ELK Osafo (2012). Rabbit production in selected urban areas of Southern Ghana: Status and implications for policy and research. *Animal Production*. <http://animalproduction.net/index.php/JAP/article/view/374>
49. SO Apori (2011). Livestock marketing in the coastal savannah zone of Ghana. *Proceedings of the 17th Biennial Conference of the Ghana Society of Animal Production, 20th-23rd July*. <https://scholar.google.com/scholar?cluster=13817868313783008846&hl=en&oi=scholar>
50. SO Apori (2010). THE DILEMA OF MINING COMMUNITIES: IS MINING A CURSE OR A BLESSING? THE CASE OF BOGOSO. *INTERNATIONAL POSTGRADUATE RESEARCH CONFERENCE ON THE BUILT ENVIRONMENT*. https://www.researchgate.net/profile/Frank-Fugar/publication/341164847_The_Changing_Climate_and_the_Built_Environment_in_the_21st_Century_Challenges_and_Opportunities/links/

51. SO Apori (2009). Livestock entrepreneurs from Northern Ghana. Their motivations and challenges. *Proceedings of the 10th Annual Conference. Reposition Africa Business and Development for the 21st Century (IAABD), Ghana*. <https://scholar.google.com/scholar?cluster=11574221355003985382&hl=en&oi=scholar>
52. Samuel Obeng Apori (2008). An analysis of HRM Practices in Polytechnics in Ghana: The Impact of Size. *Global and Local Dynamics in African Business and Development*. https://www.academia.edu/download/30602988/2008_IAABD_Proceedings.pdf#page=547
53. Samuel Obeng Apori, Maame Afua Nkrumah (2008). Improving the use of Competence-Based Training (CBT) in polytechnic education in Ghana: an evaluation of the civil engineering department of Takoradi Polytechnic. *Journal of Educational Management*. <https://doi.org/10.47963/jem.v5i.394>
54. Samuel Obeng Apori (2008). The contribution of human capital and resource-based view to small-and medium-sized tourism venture performance in Ghana. *International Journal of Emerging Markets*. <https://www.emerald.com/ijoem/article/3/3/268/147694>
55. SO Apori (2003). Factors that Influence the Choice of Agricultural Science by Senior Secondary School Students: A Case Study of Students in Cape Coast Municipality of Ghana. *Proceedings of 19th Annual AIAEE Conference, Raleigh, North Carolina USA*. <https://scholar.google.com/scholar?cluster=12949053533370245493&hl=en&oi=scholar>
56. SO Apori (2003). Factors that Influence the Choice of Agriculture Science by Senior Secondary School Students: A Case Study of Students in Cape Coast Municipality of Ghana. *Proceedings of the 19th Annual Conference Association for International Agriculture and Extension Education*. <https://scholar.google.com/scholar?cluster=8696692823073349868&hl=en&oi=scholar>
57. SO Apori (2003). Some chemical and biological measurements of two contrasting cultivars of *Gliricidia sepium* (Jacq) Kunth ex Walp. *Livestock Research for Rural Development*. https://www.researchgate.net/profile/Redimio-Pedraza-Olivera/publication/288353406_Some_chemical_and_biological_measurements_of_two_contrasting_cultivars_of_Gliricidia_sepium_Jacq_Kunth_ex_Walp/links/5a85c2980f7e9b1a95485ef9/Some-chemical-and-biological-measurements-of-two-contrasting-cultivars-of-Gliricidia-sepium-Jacq-Kunth-ex-Walp.pdf
58. S.O. Apori, F.N.A. Odoi, E. Ganyo (2001). Intake and digestibility of organic matter and nitrogen in *Chromo odorata* leaf meal-based diets by sheep. *Ghana Journal of Agricultural Science*. <https://doi.org/10.4314/gjas.v34i1.1823>
59. ANNOR-FREMPONG FESTUS, Samuel Apori (2001). Tertiary Education for Mid-Career Level Extension Personnel: Ghana case study. FAO Regional office for Africa Accra, Ghana, Winrock International institute for Agricultural Development (USA), School of Agriculture, University of cape Coast. <https://www.academia.edu/download/77039938/pa36.pdf>
60. R.J Long, S.O Apori, F.B Castro, E.R Ørskov (1999). Feed value of native forages of the Tibetan Plateau of China. *Animal Feed Science and Technology*. [https://doi.org/10.1016/s0377-8401\(99\)00057-7](https://doi.org/10.1016/s0377-8401(99)00057-7)
61. SO Apori (1998). Chemical composition, in sacco degradation and in vitro gas production of some Ghanaian browse plants. *Animal Feed Science and Technology*. <https://www.sciencedirect.com/science/article/pii/S0377840198002053>
62. SO Apori (1997). Utilization of teaching space facilities at the science faculty building complex, University of Cape Coast. *Unpublished M. Phil Thesis, University of Cape Coast*. <https://scholar.google.com/scholar?cluster=364017991137781447&hl=en&oi=scholar>
63. SO Apori (1995). Study of traditional small ruminant production systems in 2 districts of Central Region, Ghana. *Phase I. Diagnostic survey, (Report submitted to National Agricultural Research Project, Accra, Ghana)*. <https://scholar.google.com/scholar?cluster=9863094873734263453&hl=en&oi=scholar>
64. S. O. Apori (1994). Biochemical changes that occur in plantain (unripe) and cassava peels during processing (sun-drying). *Communications in Soil Science and Plant Analysis*. <https://doi.org/10.1080/00103629409369155>

65. SO Apori (1992). Constraints to small ruminant production in forest zones of Ghana. A case study of Assin Foso District in Central Region of Ghana. *Proceedings of West Africa Commonwealth Veterinary Association and Ghana Veterinary Medical Association Conference*, Accra. <https://scholar.google.com/scholar?cluster=12014385603864941801&hl=en&oi=scholar>
66. S. O. Apori (1992). Evaluation of nutritive value of *Aspilia africana*: Preliminary studies. *Communications in Soil Science and Plant Analysis*. <https://doi.org/10.1080/00103629209368681>
67. SO Apori (1991). Digestibility of yam peel incorporated diets by White Fulani bulls. *INTERNATIONAL JOURNAL OF TROPICAL AGRICULTURE*. <https://scholar.google.com/scholar?cluster=11932092730722417625&hl=en&oi=scholar>

Reports 9

1. Samuel Apori (2023). Comparison of Culturable Microbial Groups Present in Selected Peatlands in Midlands of the Republic of Ireland: Effect of 'Peatland Use' Type on Microbial Consortia; A Pilot Study. *Technological University Dublin*. <https://arrow.tudublin.ie/diraaart/29/>
2. Samuel Obeng Apori (2023). Mealybug vectors: A review of their transmission of plant viruses and their management strategies. *Technological University Dublin*. <https://arrow.tudublin.ie/schfsehart/537/>
3. Samuel Obeng Apori (2022). Mapping the Restoration of Degraded Peatland as a Field of Research Area: A Scientometric Review. *Technological University Dublin*. <https://arrow.tudublin.ie/schfsehart/495/>
4. SO Apori (2021). Hemp Growth Factors and Extraction Methods Effect on Antimicrobial Activity of Hemp Seed Oil: A Systematic Review. *Separations* 2021, 8, 183. s Note: MDPI stays neutral with regard to jurisdictional claims in <https://pdfs.semanticscholar.org/118d/968293a0bc323e03e9df4cf623240959f291.pdf>
5. HAGAN JULIUS KOFI, ELK Osafo, SO Apori (2014). Serum Immunoglobulin Concentrations In Normally Suckled And Bovine-Colostrum-Fed Djallonke Lambs During The First Seven Days Postpartum. *Ghana Society of Animal Production (GSAP)*. <https://scholar.google.com/scholar?cluster=5510921050440739410&hl=en&oi=scholar>
6. SO Apori, ELK Osafo (2013). Acupuncture Treatment of Diarrhoea Condition in Tropical Sheep and Cattle. *Advanced Scholars Journals*. <https://scholar.google.com/scholar?cluster=14658642724272514245&hl=en&oi=scholar>
7. SO Apori (2011). Environmental system analysis of tomato production in Ghana. *African Crop Science Society*. <https://www.ajol.info/index.php/acsj/article/download/74131/64792/0>
8. ELK Osafo, SO Apori (2009). Synchronisation Of Oestrus And Batch Lambing In Djallonke Sheep. *Ghana Society of Animal Production (GSAP)*. <https://scholar.google.com/scholar?cluster=9319198247908447830&hl=en&oi=scholar>
9. SO Apori (2006). The impact of livestock production on global warming. *Ghana Society of Animal Production (GSAP)*. <https://scholar.google.com/scholar?cluster=11701754602935025479&hl=en&oi=scholar>

Theses 1

1. SO Apori (1988). Replacement value of yam peels for maize in the diet of White Fulani cattle. *PhD Thesis, University of Ibadan, Nigeria*. <https://scholar.google.com/scholar?cluster=6060919811925998011&hl=en&oi=scholar>