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RESEARCH

Interests	Agricultural Economics and Statistics
Areas	Economics and Econometrics · General Economics, Econometrics and Finance · Management Science and Operations Research · Marketing · Ecology, Evolution, Behavior and Systematics · General Agricultural and Biological Sciences

RESEARCH SUMMARY

78	1,202	14	19	0.48	6%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 78 publications listed below, 2003–2026. 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. 2 of the 32 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Dean School of Agriculture
School of Agriculture, University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 65

1. **Joyce De-Graft Acquah**, Kwadwo Addo Tuffour (2026). Beyond Cessation: Everyday Borders and Protracted Refugeehood Among Liberian Exemption Holders in Ghana. *Societies*. https://www.mdpi.com/2075-4698/16/10/313
2. Tebogo Mokumako, Samuel Kwesi Ndzebah Dadzie, **Henry Nana De-Graft Acquah**, Alexander Tetteh Kwasi Nuer, Emmanuel Wisgtos Inkoom, Michael Robert Nkuba (2025). Effects of timeliness and quality of tractor-hire services on smallholder farmers' technical, allocative, and economic efficiencies: Evidence from Botswana. *Scientific African*. https://doi.org/10.1016/j.sciaf.2025.e02744
3. **Joyce De-Graft Acquah** (2025). Interrogating International Peace and Security in West Africa, Sahel Region. *Medicon Engineering Themes*.
4. Augustine Koufie, **Henry de-Graft Acquah**, Samuel Kwesi Ndzebah Dadzie (2024). Risk Optimality and, Subscription and Subscription Intensity of Weather Index Insurance: Application of T-MOTAD and Negative Binomial Double Hurdle Model. *Agris on-line Papers in Economics and Informatics*. https://doi.org/10.7160/aol.2024.160408
5. EW Inkoom, **Henry D Acquah**, SKN Dadzie (2022). Examining drivers of technical, allocative and economic efficiencies in cocoa farming: empirical evidence from Ghana. *Ghana Journal of Development Studies*. https://www.researchgate.net/profile/Emmanuel-Inkoom/publication/364743640_Examining_drivers_of_technical_allocative_and_economic_efficiencies_in_cocoa_farming_empirical_evidence_from_Ghana/links/6373664f37878b3e87b14fbc/Examining-drivers-of-technical-allocative-and-economic-efficiencies-in-cocoa-farming-empirical-evidence-from-Ghana.pdf
6. B.Z. Guri, **H. Acquah**, C. Lwanga Noora, B. Benduri Kaburi, S. Denueme, G. Khumalo Kuma, D. Kabba Karbgo, D. Kofi Ameme, E. Kenu (2020). A step towards the elimination of rabies: An evaluation of rabies

surveillance system, Sunyani West District – Ghana, 2019. *International Journal of Infectious Diseases*. https://doi.org/10.1016/j.ijid.2020.09.992

7. **Henry De-Graft Acquah** (2018). Comparing OLS and quantile regression estimation techniques for production analysis: An application to Ghanaian Maize farms. *Russian Journal of Agricultural and Socio-Economic Sciences (RJOAS)*.
8. **Joyce D Acquah** (2018). Faith-Based Organizations and Refugee Women. *Atone: Religion, Conflict, and Reconciliation*. https://books.google.com/books?hl=en&lr=&id=5SuAEQAAQBAJ&oi=fnd&pg=PA199&dq=info:KjnxyVlH9WcJ:scholar.google.com&ots=5ZZfB9faGN&sig=D1vtKSnkj8XoMCkDS_NkTDj53P0
9. **Joyce D Acquah** (2018). Faith-Based Organizations and Refugee Women: A Case Study of the Assistance Provided by Faith-Based and Other Organizations to Liberian Women Refugees in Ghana. *Atone*. https://ixtheo.de/Record/1729037321
10. **Henry De-Graft Acquah** (2018). Weighted Average Information Criterion for Selection of an Asymmetric Price Relationship. *Alanya Akademik Bakış*. https://doi.org/10.29023/alanyaakademik.343737
11. **Henry De-Graft Acquah**, Lawrence Acheampong (2017). Comparing parametric and semiparametric error correction models for estimation of long run equilibrium between exports and imports. *Applied Studies in Agribusiness and Commerce*. https://doi.org/10.19041/apstract/2017/1-2/3
12. **Henry De-Graft Acquah**, Sarah Acquah (2017). Interior point algorithm for solving farm resource allocation problem. *Applied Studies in Agribusiness and Commerce*. https://doi.org/10.19041/apstract/2017/1-2/6
13. Abdul-Rahman Ahmed, **Joyce Acquah** (2017). Investigation of potential rfi threats to ghana radio telescope observatory-nkutunse. *IJERT*. https://www.academia.edu/download/62402413/V6I8_IJERTV6IS08008220200318-39753-1qvhrdi.pdf
14. **Henry de-Graft Acquah** (2016). Cassava price volatility: evidence from Ghana. *Journal of Agricultural Economics*. https://ir.ucc.edu.gh/server/api/core/bitstreams/733f870c-6171-436a-9f03-ec80bd8959da/content
15. **Henry De-Graft Acquah** (2016). Comparing ols and rank-based estimation techniques for production analysis: An application to Ghanaian maize farms. *Applied Studies in Agribusiness and Commerce*. https://doi.org/10.19041/apstract/2016/4-5/16
16. **Joyce De Graft Acquah** (2016). Journal of Social and Development Sciences (ISSN 2221-1152) Vol. 7, No. 1, pp. 73-81, March 2016. *Journal of Social and Development Sciences (ISSN 2221-1152)*. https://www.academia.edu/download/131866877/1218.pdf
17. **Joyce De-Graft Acquah** (2016). Land use conflict among vegetable farmers in Denu. *Development and Change*. https://foodandjustice2016.weaconferences.net/files/2016/11/WEA-FoodAndJusticeConference2016-Acquah-and-Acquah.pdf
18. **Henry de-Graft Acquah**, Joyce De-Graft Acquah (2015). An application of the error correction model in analyzing the long run equilibrium between Ghana's exports and imports. *Applied Studies in Agribusiness and Commerce*. https://doi.org/10.19041/apstract/2015/3/8
19. **H de-G Acquah**, J Nunoo, KN Darfor (2015). Farmers' perceptions and adaptation to climate change: evidence from Ghana. *Environment, Agriculture and Cross-Border Migrations*. https://books.google.com/books?hl=en&lr=&id=6yHUDgAAQBAJ&oi=fnd&pg=PA35&dq=info:s9WifXOrkL4J:scholar.google.com&ots=SGnEYH5F02&sig=8lCPNm7vBwiYBEfK_3K2f4cT3yo
20. **H Acquah**, EE Onumah (2014). Alternative Approaches to Technical Efficiency Estimation in the Stochastic Frontier Model. *AGRIS on-line Papers in Economics and Informatics*. https://ageconsearch.umn.edu/record/182485/
21. **Henry de-Graft Acquah** (2014). Sensitivity of technical efficiency estimates to estimation methods: an empirical comparison of parametric and non-parametric approaches. *Applied Studies in Agribusiness and Commerce*. https://doi.org/10.19041/apstract/2014/1/8
22. Beatrice Bempomaa, **Henry de-Graft Acquah** (2014). Technical efficiency analysis of maize production: evidence from Ghana. *Applied Studies in Agribusiness and Commerce*. https://doi.org/10.19041/apstract/2014/2-3/9

23. **Henry de-Graft Acquah** (2013). A Bootstrap Approach to Evaluating the Power of the Houck's Test for Asymmetry. *Journal of Social and Development Sciences*. https://doi.org/10.22610/jsds.v4i2.737
24. **Henry de-Graft Acquah** (2013). A COMPARISON OF BOOTSTRAP AND MONTE CARLO APPROACHES TO TESTING FOR SYMMETRY IN THE HOUCK'S MODEL. *Russian Journal of Agricultural and Socio-Economic Sciences*. https://doi.org/10.18551/rjoas.2013-05.01
25. **Henry de-Graft Acquah** (2013). A Comparison of Bootstrap and Monte Carlo Approaches to Testing for Symmetry in the Granger and Lee Error Correction Model. *Information Management and Business Review*. https://doi.org/10.22610/imbr.v5i5.1048
26. **Henry De Graft Acquah** (2013). Asymmetric price transmission modeling: the importance of model complexity and the performance of the selection criteria. *Russian Journal of Agricultural and Socio-Economic Sciences*. https://cyberleninka.ru/article/n/asymmetric-price-transmission-modeling-the-importance-of-model-complexity-and-the-performance-of-the-selection-criteria
27. **Henry De-Graft Acquah** (2013). Bayesian Logistic Regression Modelling via Markov Chain Monte Carlo Algorithm. *Journal of Social and Development Sciences*. https://doi.org/10.22610/jsds.v4i4.751
28. **Henry De-Graft Acquah** (2013). Journal of Social and Development Sciences Vol. 4, No. 4, pp. 193-197, Apr 2013 (ISSN 2221-1152). *Journal of Social and Development Sciences*. https://ir.ucc.edu.gh/server/api/core/bitstreams/704bcaf6-2900-4539-91d9-09cc1e4285f9/content
29. Isaac Abunyuwah, **Henry De-Graft Acquah** . (2013). Modelling non-linear Spatial Market Integration and Equilibrium Processes in Hidden Markov Framework. *Journal of Economics and Behavioral Studies*. https://doi.org/10.22610/jebs.v5i8.427
30. **Henry de-Graft Acquah**, Joseph Acquah (2013). ON THE COMPARISON OF BAYESIAN INFORMATION CRITERION AND DRAPER'S INFORMATION CRITERION IN SELECTION OF AN ASYMMETRIC PRICE RELATIONSHIP: BOOTSTRAP SIMULATION RESULTS. *Russian Journal of Agricultural and Socio-Economic Sciences*. https://doi.org/10.18551/rjoas.2013-03.11
31. **HD Acquah** (2013). On the comparison of Akaike information criterion and consistent Akaike information criterion in selection of an asymmetric price relationship: Bootstrap simulation results. *AGRIS on-line Papers in Economics and Informatics*. https://www.researchgate.net/profile/Adewale-Adenuga/publication/287088831_Economics_and_technical_efficiency_of_dry_season_tomato_production_in_selected_areas_in_Kwara_state_Nigeria/links/58e6f17c0f7e9b0927712af0/Economics-and-technical-efficiency-of-dry-season-tomato-production-in-selected-areas-in-Kwara-state-Nigeria.pdf#page=7
32. **Henry De-Graft Acquah** (2013). The Effect of Price and Climatic Variables on Maize Supply in Ghana. *Journal of Social and Development Sciences*. https://doi.org/10.22610/jsds.v4i1.732
33. **Henry de-Graft Acquah** (2013). The Role of Model Complexity and the Performance of the Selection Criteria in Asymmetric Price Transmission Models. *Journal of Economics and Behavioral Studies*. https://doi.org/10.22610/jebs.v5i3.390
34. **Henry De-Graft Acquah** (2013). Using Bootstrap Method to Evaluate the Power of Tests for Non-Linearity in Asymmetric Price Relationship. *Journal of Economics and Behavioral Studies*. https://doi.org/10.22610/jebs.v5i4.399
35. **H. de-Graft Acquah** (2012). A BOOTSTRAP APPROACH TO TESTING FOR SYMMETRY IN THE GRANGER AND LEE ASYMMETRIC ERROR CORRECTION MODEL. *Russian Journal of Agricultural and Socio-Economic Sciences*. https://doi.org/10.18551/rjoas.2012-11.06
36. **H. de-Graft Acquah** (2012). A THRESHOLD COINTEGRATION ANALYSIS OF ASYMMETRIC ADJUSTMENTS IN THE GHANAIAN MAIZE MARKETS. *Russian Journal of Agricultural and Socio-Economic Sciences*. https://doi.org/10.18551/rjoas.2012-08.04
37. **Henry Acquah** (2012). A bootstrap approach to evaluating the performance of Akaike Information Criterion (AIC) and Bayesian Information Criterion (BIC) in selection of an asymmetric price relationship. *Journal of Agricultural Sciences Belgrade*. https://doi.org/10.2298/jas1202099d
38. Samuel Kwesi Ndzebah Dadzie, **Henry de-Graft Acquah** (2012). Attitudes Toward Risk and Coping Responses: The Case of Food Crop Farmers at Agona Duakwa in Agona East District of Ghana. *International Journal of Agriculture and Forestry*. https://doi.org/10.5923/j.ijaf.20120202.06

39. **Henry De-Graft Acquah** (2012). Estimating the Effect of Climatic Variables and Crop Area on Maize Yield in Ghana. *Journal of Social and Development Sciences*. https://doi.org/10.22610/jsds.v3i9.715

40. **Henry De-Graft Acquah**, R Owusu (2012). Price transmission in domestic agricultural markets: Evidence from selected cassava markets in Ghana. *Journal of Sustainable Development in Africa*. https://www.academia.edu/download/97647544/Price_20Transmission.pdf

41. **HD Acquah**, R Owusu (2012). Spatial market integration and price transmission of selected plantain markets in Ghana. *Journal of Sustainable Development in Africa*. https://www.academia.edu/download/68549644/SPATIAL_MARKET_INTEGRATION_AND_PRICE_TRA20210803-6422-1fgynor.pdf

42. **H. de-Graft Acquah**, Clement Kweku Kyei (2012). THE EFFECTS OF CLIMATIC VARIABLES AND CROP AREA ON MAIZE YIELD AND VARIABILITY IN GHANA. *Russian Journal of Agricultural and Socio-Economic Sciences*. https://doi.org/10.18551/rjoas.2012-10.02

43. **Henry de-Graft Acquah** (2012). Threshold Effects and Asymmetric Price Adjustments in the Ghanaian Plantain Market. *Journal of Economics and Behavioral Studies*. https://doi.org/10.22610/jebs.v4i10.356

44. **Henry de-Graft Acquah** (2012). Threshold Effects and Asymmetric Price Adjustments within the Ghanaian Maize Market. *Journal of Economics and Behavioral Studies*. https://doi.org/10.22610/jebs.v4i9.351

45. **Henry De Graft Acquah** (2011). A regional analysis of corn yield models: comparing quadratic versus cubic trends. *Journal of Economics and Behavioral Studies*. https://ideas.repec.org/a/rnd/arjebs/v3y2011i6p395-401.html

46. **HD Acquah** (2011). Farmers perception and adaptation to climate change: A willingness to pay analysis. *Journal of Sustainable Development in Africa*. https://jsd-africa.com/Jsda/Vol13No5_Fall2011_A/PDF/Farmers%20Perception%20and%20Adaptation%20to%20Climate%20Change.pdf

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49. **Henry Acquah**, Isaac Abunyuwah (2011). Logit analysis of socio-economic factors influencing people to become fishermen in the central region of Ghana. *Journal of Agricultural Sciences Belgrade*. https://doi.org/10.2298/jas1101055a

50. **Henry De-Graft Acquah** (2011). Public awareness and quality of knowledge regarding climate change in Ghana: A logistic regression approach. *Journal of Sustainable Development in Africa*. https://jsd-africa.com/Jsda/V13No3_Summer2011_A/PDF/Public%20Awareness%20and%20Quality%20of%20Knowledge.pdf

51. **Henry De-Graft Acquah**, EE Onumah (2011). Static versus dynamic model for estimating asymmetric price transmission in the Ghanaian maize market. *African Journal of Agricultural Research*. https://doi.org/10.5555/20113308156

52. **Henry De Graft Acquah** (2011). Testing long run relationship between exports and imports: Evidence from Ghana. *Journal of Economics and Behavioral Studies*. https://ideas.repec.org/a/rnd/arjebs/v3y2011i6p381-387.html

53. **Henry De-Graft Acquah** (2010). A Monte Carlo comparison of the power of tests for non-linearity in asymmetric price transmission models. *International Journal of Computational Intelligence Research and Application*. https://scholar.google.com/scholar?cluster=11262572077104192067&hl=en&oi=scholarr

54. **Henry De-Graft Acquah** (2010). An application of the Von Cramon-Taubadel and Loy ECM in analyzing asymmetric adjustment between the retail and wholesale Maize prices in Ghana. *Journal of Development and Agricultural Economics*.

55. **Henry de-Graft Acquah**, SKN Dadzie (2010). An application of the von Cramon-Taubadel and Loy error correction models in analyzing asymmetric adjustment between retail and wholesale maize prices in Ghana. *Journal of Development and Agricultural Economics*. https://academicjournals.org/article/article1379428298_Acquah%20and%20Dadzie.pdf

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58. **Henry De-Graft Acquah** (2010). Estimating marginal likelihoods for Houck specifications using Markov Chain Monte Carlo methods in Indian development review. *International Journal of Development Economics*.

59. **Henry De-Graft Acquah** (2010). Outreach and sustainability of rural banking institutions in Ghana in Indian development review. *International Journal of Development Economics*.

60. **Henry De-Graft Acquah** (2010). Testing for symmetry in the Houck's model in Indian development review. *International Journal of Development Economics*.

61. **Henry De-Graft Acquah** (2009). Alternative formulations of the Bayesian information criterion for comparing asymmetric price transmission models. *Journal of Asian Business Management*.

62. **Henry De-Graft Acquah** (2009). Comparison of Akaike information criterion and consistent Akaike information criterion for model selection in asymmetric price transmission Studies. *Asian-African Journal of Economics and Econometrics*. https://scholar.google.com/scholar?cluster=11839072988388901685&hl=en&oi=scholarr

63. **Henry De-Graft Acquah** (2009). On the use of deviance information criteria for comparing models of price asymmetry. *International Journal of Business Management Economics and Information Technology*.

64. **Joyce De-Graft Acquah** (2008). Exploring the livelihood strategies of Liberian women in Bududuram, Ghana. *Retrieved March*. https://scholar.google.com/scholar?cluster=18028839251263481197&hl=en&oi=scholarr

65. **Joyce De-Graft Acquah** (2003). The Potential and Constraints of Agroforestry in Forest Fringe Communities of the Asunafo District-Ghana. *Friedrich-Ebert-Stiftung, Ghana Office: Accra, Ghana*. http://fire-smart-landscapes.tropenbos.org/file.php/297/agroforestry.pdf

Book chapters 1

1. Selorm Omega, **Henry De-Graft Acquah**, Selorm Akaba (2025). Soybean Farmers' Ecosystem-Based Approach in Mitigating Climate Change in Savannah Agroecological Zones in Northern Ghana. *Disaster Resilience and Green Growth*. https://doi.org/10.1007/978-981-95-0389-6_14

Conference papers 4

1. Irene Kafui Vorsah Amponsah, **Henry De-Graft Acquah** (2019). A Monte Carlo Comparison of Asymmetric Price Transmission Linear Models Under the Effect of Difference in Asymmetric Adjustment Parameters using rMDL, gMDL, nMDL, eMDL, AIC & BIC. https://doi.org/10.1109/icmrsisiit46373.2020.9405827

2. Irene Kafui Vorsah Amponsah, **Henry De-Graft Acquah**, Nathaniel Howard (2019). A Monte Carlo Comparison of rMDL, gMDL, eMDL, nMDL, AIC and BIC Under the Effect of Stochastic Variance for Asymmetric Price Transmission Linear Models. https://doi.org/10.1109/icmrsisiit46373.2020.9405933

3. **Joyce D. Acquah** (2019). Civil War and Forced Migration: A case study of the livelihoods Strategies of Liberian Refugee Women in Ghana. *"Innovation & Governance in Development" Conference, UNU- MERIT/ MGSoG*.

4. Irene Kafui Vorsah Amponsah, **Henry De-Graft Acquah**, Nathaniel Kwamena Howard (2019). Comparative Evaluation of Asymmetric Price Transmission Linear Models Using rMDL, eMDL, nMDL, gMDL, AIC and BIC Across Varying Sample Sizes. https://doi.org/10.1109/iccma.2019.00030

Reports 5

1. **Joyce D Acquah** (2018). Atone: Religion, conflict, and reconciliation. *Bloomsbury Publishing PLC*. https://books.google.com/books?hl=en&lr=&id=7kRMDwAAQBAJ&oi=fnd&pg=PP1&dq=info:bvllkAyedXAJ:scholar.google.com&ots=MqxxGics7h&sig=hoDCRngd8GuVgnvnJbb530LW2c8
2. **Henry De-Graft Acquah** (2018). Introduction to Linear Programming for Economic Analysis. *https://www.shaker.de/de/content/catalogue/index.asp?lang=de&ID=8&ISBN=978-3* ….
3. **Henry De-Graft Acquah** (2016). An application to ghanaian maize farms. *University of Cape Coast*. https://ir.ucc.edu.gh/items/06875473-8a6d-4311-98e2-5525952e52c7
4. **Henry De-Graft Acquah** (2013). An Introduction to Quantitative Methods. *10.2370/9783844016338 (Online-Gesamtdokument)*. https://scholar.google.com/scholar?cluster=15713758466258311147&hl=en&oi=scholarr
5. **HD Acquah**, J Addo (2011). Determinants of loan repayment performance of fishermen: Empirical evidence from Ghana. *" Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary* …. http://www.uaiasi.ro/CERCET_AGROMOLD/CA4-11-08.pdf

Theses 2

1. **Henry de-Graft Acquah** (2008). Analysis of Price Transmission and Asymmetric Adjustments using Bayesian Econometric Methodology. *Niedersächsische Staats-und Universitätsbibliothek Göttingen*. https://scholar.google.com/scholar?cluster=15735449152639373866&hl=en&oi=scholarr
2. **Joyce De-Graft Acquah** (2008). Exploring the livelihoods strategies of Liberian refugee women in Buduburam, Ghana. *Universitetet i Tromsø*. https://scholar.google.com/scholar?cluster=17412226820362659225&hl=en&oi=scholarr

Other publications 1

1. **JDG Acquah** (2016). Land use conflict among vegetable farmers in Denu: determinants, causes and consequences. *University of Cape Coast*.