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RESEARCH

Interests	Development Economics · Agricultural Economics · Environmental & Resource Economics · Impact Evaluation · Agribusiness
Areas	General Agricultural and Biological Sciences · Economics and Econometrics · Soil Science · Ecology, Evolution, Behavior and Systematics · Ecology · Sociology and Political Science

RESEARCH SUMMARY

120	3,441	30	76	4.97	55%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 120 publications listed below, 2008–2026. Field-weighted impact is the mean over the 82 works scored for it; 1.00 is the world average for works of the same field, type and year. 45 of the 82 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Professor (Full)
Agricultural Economics, Agribusiness and Extension, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

EDUCATION AND QUALIFICATIONS

PhD
Development Economics, Vrije Universiteit Amsterdam, Amsterdam, Netherlands

PUBLICATIONS

Journal articles 111

1. **V Owusu**, Jemimah Etornam Kassah (2026). A review of challenges affecting feed availability and use in Ghana's aquaculture sector. *Journal of Geographical Research & Report*. https://journals.uew.edu.gh/index.php/jgeorr/article/view/869
2. Frederick Frimpong, Emmanuel Donkor, **Victor Owusu**, Dietrich Darr (2026). Contribution of the Baobab Value Chain to Equitable Rural Livelihoods and Poverty Alleviation in Ghana. *Sustainable Development*. https://doi.org/10.1002/sd.71175
3. **Victor Owusu** (2026). Local Collective Action and Challenges of Seaweed Management in the Western Region of Ghana. *Ghana Journal of Geography*. https://doi.org/10.4314/gjg.v18i1.4
4. Yaw Agyeman Boafo, **V Owusu**, Stephen Twumasi Annan (2026). Urban Residents' Perceptions of Urban Trees and Participation in Tree Planting Activities in a Rapidly Urbanising Neighbourhood of Accra, Ghana. *Arboriculture & Urban Forestry*. https://auf.isa-arbor.com/content/early/2026/09/16/jauf.2026.028
5. **Victor Owusu**, Jacob Asravor (2025). Do regional-specific differences influence smallholder farmers' climate information use? Evidence from Ghana. *Climate Services*. https://doi.org/10.1016/j.cliser.2025.100580
6. **Victor Owusu** (2025). Effect of rising fuel prices on small-scale fisheries livelihoods and marine

sustainability in Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0317260

7. **V Owusu** (2025). Factors influencing smartphone usage of rural farmers: Empirical analysis of five selected provinces in China. *Information Development*.
8. **V Owusu** (2025). Greenhouse Farming Adoption: Determinants and Impacts on Dietary Diversity, Food Consumption and Insecurity in Ghana. *Food and energy security*. https://doi.org/10.1002/fes3.70137
9. Habibatou I. Thiam, **Victor Owusu**, Johannes Schuler, Fatima Lambarraa-Lehnhardt, Ibrahima Hathie (2025). Impact of soil salinity adaptation on yields and food security in Fimela, Senegal. *Climatic Change*. https://doi.org/10.1007/s10584-025-03979-4
10. Benedicta Nsiah Frimpong, **Victor Owusu**, Robert Aidoo, Bright Owusu Asante, Allen Oppong, Justin Pita, Eveline M.F.W. Compaoré-Sawadogo, Ousmane Ndoye, Kouassi Modeste (2025). Microlevel analysis of smallholder farmers' knowledge and perspectives of cassava pests, disease risks, and eco-friendly management techniques in two agroecological landscapes of Ghana. *Crop Protection*. https://doi.org/10.1016/j.cropro.2025.107388
11. **V Owusu**, R Aidoo, BO Asante (2025). Microlevel analysis of smallholder farmers' knowledge and perspectives of cassava pests, disease risks, and eco-friendly management techniques in two agroecological landscapes …. *Crop Protection*. https://www.sciencedirect.com/science/article/pii/S0261219425002807
12. **Victor Owusu** (2025). The Forum on the COVID-19 Pandemic and International Migrant Workers: Geographies of (Im) mobility and Governance Challenges. *Geographical Review*. https://doi.org/10.1080/00167428.2024.2387220
13. Emmanuel Donkor, Bright Owusu Asante, David Boansi, **Victor Owusu** (2025). The Power of Unity: Collective Action and Smallholder Agricultural Performance in West Africa. *Agribusiness*. https://doi.org/10.1002/agr.70046
14. Wanglin Ma, Hongyun Zheng, David Boansi, Godwin S.A.K. Horlu, **Victor Owusu** (2025). Types of employment and well-being of rural residents: A multinomial endogenous switching regression application. *Economic Modelling*. https://doi.org/10.1016/j.econmod.2025.107047
15. Ebenezer Kondo, Michael Yao Osae, **Victor Owusu** (2024). Assessing homogeneous and heterogeneous economic impacts of fall armyworm management practices on farm performance in Ghana. *CABI Agriculture and Bioscience*. https://doi.org/10.1186/s43170-024-00275-6
16. **Victor Owusu** (2024). Effects of the closed fishing season on small-scale fisheries and coastal livelihoods in Ghana. *Fisheries and aquatic sciences*. https://doi.org/10.47853/fas.2024.e70
17. David Boansi, **Victor Owusu**, Emmanuel Donkor (2024). Impact of integrated soil fertility management on maize yield, yield gap and income in northern Ghana. *Sustainable Futures*. https://doi.org/10.1016/j.sftr.2024.100185
18. Samuel Asante Gyamerah, **Victor Owusu**, Stephen Oppong Kwakye (2024). Marginal Impact of climate variability on crop yields in Ghana. *Scientific African*. https://doi.org/10.1016/j.sciaf.2024.e02314
19. Samuel Asante Gyamerah, **Victor Owusu** (2024). Short- and long-term weather prediction based on a hybrid of CEEMDAN, LMD, and ANN. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0304754
20. **Victor Owusu**, Rosina Sheburah Essien, Moses Adjei (2024). The same old story: 'Saiko' practices and coastal livelihoods in Ghana's small-scale fisheries. *Marine Policy*. https://doi.org/10.1016/j.marpol.2024.106573
21. Wanglin Ma, Xiaoshi Zhou, David Boansi, Godwin Seyram Agbemavor Horlu, **Victor Owusu** (2023). Adoption and intensity of agricultural mechanization and their impact on non-farm employment of rural women. *World Development*. https://doi.org/10.1016/j.worlddev.2023.106434
22. Samuel Nyavor, Sandra Amposah, **Victor Owusu**, Kwame John Boateng (2023). Compensation payment for fisherfolk during closed-season fishing: Lessons from small-scale fisherfolk in Ghana. *Cogent Social Sciences*. https://doi.org/10.1080/23311886.2023.2282502
23. Raymond Boadi Fremmpong, Elena Gross, **Victor Owusu** (2023). Crop diversity, sustainable food and nutritional security among smallholder farmers in Ghana. *British Food Journal*. https://doi.org/10.1108/

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24. Wanglin Ma, Puneet Vatsa, Hongyun Zheng, Emmanuel Donkor, **Victor Owusu** (2023). Does Adoption of Information and Communication Technology Reduce Objective and Subjective Well-Being Inequality? Evidence from China. *Social Indicators Research*. https://doi.org/10.1007/s11205-023-03154-1
25. Isaac Nunoo, David Boansi, **Victor Owusu** (2023). Does the use of cocoa farmlands for artisanal small-scale gold mining really increase household food insecurity? Evidence from Ghana. *Resources Policy*. https://doi.org/10.1016/j.resourpol.2023.104329
26. **Victor Owusu**, Kofi Adu-Boahen, Sender Kyeremeh, Innocent Demalie, Philip Eshun (2023). Factors influencing compliance of closed fishing season: lessons from small-scale coastal fisheries in the Central Region of Ghana. *Humanities and Social Sciences Communications*. https://doi.org/10.1057/s41599-023-01513-4
27. Wanglin Ma, Enoch Owusu-Sekyere, Hongyun Zheng, **Victor Owusu** (2023). Factors influencing smartphone usage of rural farmers: Empirical analysis of five selected provinces in China. *Information Development*. https://doi.org/10.1177/02666669231201828
28. Habibatou I. Thiam, **Victor Owusu**, Grace B. Villamor, Johannes Schuler, Ibrahima Hathie (2023). Farmers' intention to adapt to soil salinity expansion in Fimela, Sine-Saloum area in Senegal: A structural equation modelling approach. *Land Use Policy*. https://doi.org/10.1016/j.landusepol.2023.106990
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30. Ayobami Adetoyinbo, Jacob Asravor, Sunday Adewale Olaleye, **Victor Owusu** (2023). Food quality and supply chain networks in dynamic business environments: evidence from the Nigerian shrimp subsector. *British Food Journal*. https://doi.org/10.1108/bfj-02-2023-0171
31. Dora Akpene Torsu, Gideon Danso-Abbeam, Abiodun A. Ogundeji, Enoch Owusu-Sekyere, **Victor Owusu** (2023). Heterogeneous impacts of greenhouse farming technology as climate-smart agriculture on household welfare in Ghana. *Journal of Cleaner Production*. https://doi.org/10.1016/j.jclepro.2023.139785
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38. Moses Adjei, **Victor Owusu**, Rosina Sheburah Essien (2023). The Role of Socioeconomic Factors, Psychological Motivations, and Social Networks in Women's Participation in Community-Based Fishery Management in Ghana. *Coastal Management*. https://doi.org/10.1080/08920753.2023.2211373
39. Rosina Sheburah Essien, Moses Adjei, **Victor Owusu** (2023). Towards an Integrated Approach to Solid

Waste Management in Ghanaian Cities. *Ghana Journal of Geography*. https://doi.org/10.4314/gjg.v15i2.2

40. John Tennyson Afele, Olivia Agbenyega, Victor Rex Barnes, Steve Amisah, Emmanuel Acheampong, **Victor Owusu**, Joseph Anokye, Richard Asante, Stephen Opoku, Ezekiel Laten, Emmanuel Danquah (2023). Understanding and addressing climate change impacts on cocoa farming in Ghana. *Environmental Challenges*. https://doi.org/10.1016/j.envc.2023.100823
41. Edo Andriesse, Kristian Saguin, Austin Dziwornu Ablo, Jawanit Kittitornkool, Chaturong Kongkaew, Jerry Mang'ena, Paul Onyango, **Victor Owusu**, Jeasurk Yang (2022). Aligning bottom-up initiatives and top-down policies? A comparative analysis of overfishing and coastal governance in Ghana, Tanzania, the Philippines, and Thailand. *Journal of Rural Studies*. https://doi.org/10.1016/j.jrurstud.2022.03.032
42. Joshua Ewusi Koomson, Emmanuel Donkor, **Victor Owusu** (2022). Contract farming scheme for rubber production in Western region of Ghana: why do farmers side sell? *Forests Trees and Livelihoods*. https://doi.org/10.1080/14728028.2022.2079007
43. Nasir Abbas Khan, Wanglin Ma, **Victor Owusu**, Ashfaq Ahmad Shah (2022). Does ICT-based farm advisory improve farmers' adaptation to climate change? Evidence from Pakistan. *Climate and Development*. https://doi.org/10.1080/17565529.2022.2143232
44. Wanglin Ma, Puneet Vatsa, Enoch Owusu-Sekyere, Xiaoshi Zhou, **Victor Owusu** (2022). Does income diversity really stimulate household consumption expenditure diversity? Evidence from mean-based and unconditional quantile regressions. *Applied Economics*. https://doi.org/10.1080/00036846.2022.2159012
45. **V Owusu** (2022). Examining the economic impacts of integrated pest management among vegetable farmers in Southern Ghana. *JOURNAL OF PLANNING LITERATURE*.
46. Wanglin Ma, Hongyun Zheng, Emmanuel Donkor, **Victor Owusu** (2022). Off-farm work and technical efficiency of wheat production: An analysis accounting for multiple dimensions of off-farm work. *International Journal of Sustainable Development & World Ecology*. https://doi.org/10.1080/13504509.2022.2142316
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48. Vasco Baffour-Kyei, Amos Mensah, **Victor Owusu**, Godwin S.A.K. Horlu (2021). Artisanal small-scale mining and livelihood assets in rural southern Ghana. *Resources Policy*. https://doi.org/10.1016/j.resourpol.2021.101988
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51. Gordon Yenglier Yiridomoh, **Victor Owusu** (2021). Do women farmers cope or adapt to strategies in response to climate extreme events? Evidence from rural Ghana. *Climate and Development*. https://doi.org/10.1080/17565529.2021.1971943
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54. Emmanuel Dokyi, Benjamin Tetteh Anang, **Victor Owusu** (2021). Impacts of Improved Seed Maize Technology Adoption on Productivity and Technical Efficiency in Northern Ghana. *Open Economics*. https://doi.org/10.1515/openec-2020-0102
55. **Victor Owusu**, Wanglin Ma, Dorcas Emuah, Alan Renwick (2021). Perceptions and vulnerability of farming

households to climate change in three agro-ecological zones of Ghana. *Journal of Cleaner Production*. https://doi.org/10.1016/j.jclepro.2021.126154

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58. David Boansi, **Victor Owusu**, Justice Akpene Tambo, Emmanuel Donkor, Bright Owusu Asante (2021). Rainfall shocks and household welfare: Evidence from northern Ghana. *Agricultural Systems*. https://doi.org/10.1016/j.agsy.2021.103267

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60. Gordon Yenglier Yiridomoh, Samuel Ziem Bonye, Emmanuel Kanchebe Derbile, **Victor Owusu** (2021). Women farmers' perceived indices of occurrence and severity of observed climate extremes in rural Savannah, Ghana. *Environment Development and Sustainability*. https://doi.org/10.1007/s10668-021-01471-4

61. Aboubacar Diallo, Emmanuel Donkor, **Victor Owusu** (2020). Climate change adaptation strategies, productivity and sustainable food security in southern Mali. *Climatic Change*. https://doi.org/10.1007/s10584-020-02684-8

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63. **Victor Owusu** (2020). From open access regime to closed fishing season: Lessons from small-scale coastal fisheries in the Western Region of Ghana. *Marine Policy*. https://www.sciencedirect.com/science/article/pii/S0308597X19309856

64. Eunice Adu Donkor, Enoch Owusu-Sekyere, **Victor Owusu** (2020). The Development and Promotion of Sweet Potato Yoghurt in Ghana: Implications for Sustainable Production and Consumption Policies. *Sustainability*. https://doi.org/10.3390/su12083336

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Reflectivity of Thermoplastic Pavement Markings: A Review. *Open Journal of Civil Engineering*. https://doi.org/10.4236/ojce.2018.83023

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76. Emmanuel Donkor, Enoch Owusu-Sekyere, **Victor Owusu**, Samira Saadu, Jacqueline Baidoo, Hennor Avame Yaw, Djamson Eric Kwesi, Felix Owusu Serbeh (2017). Assessing the financial viability of the floricultural industry in Ghana. *Applied Studies in Agribusiness and Commerce*. https://doi.org/10.19041/apstract/2017/1-2/15

77. DOMINIC ADU-BOFFOUR, **V Owusu** (2017). Comparative analysis on financial viability of cocoa agroforestry systems in Ghana. *Environment*.

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