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RESEARCH

Interests	Malnutrition · Grants&Research · Health Policy · Programme and Project Management · Public Health
Areas	Nutrition and Dietetics · Plant Science · Public Health, Environmental and Occupational Health · Food Science · General Health Professions · Pediatrics, Perinatology and Child Health

RESEARCH SUMMARY

38	338	9	9	1.53	24%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 38 publications listed below, 2016–2026. Field-weighted impact is the mean over the 34 works scored for it; 1.00 is the world average for works of the same field, type and year. 8 of the 34 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 37

1. Amos Anim, **Linda Esi Aduku**, Pearl Agyekum, Charles Apprey, Nilendra Nair, Selena Ahmed, Reginald Annan, Herman Lutterodt (2026). Adoption Gaps in Regenerative Practices May Constrain Nutrition-Sensitive Crop Production in Ghana. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2026.108500
2. Kat Morgan, Teresa Warne, Sahar Toulabi, Fangzhou Li, Amanda Birnbaum, Shawn Ehlers Cheang, Cheng-Yu Weng, Warangkana Srichamnong, Simab Kanwal, **Linda Nana Esi Aduku** and 15 others (2026). Agricultural and environmental drivers of variation in the composition of food crops: A scoping review. *Plants People Planet*. https://doi.org/10.1002/ppp3.70197
3. Benedicta Twum-Dei, **Linda Nana Esi Aduku** (2026). Barriers and facilitators of fruits and vegetables consumption among women of reproductive age – using the socio-ecological model. *Nutrition & Food Science*. https://doi.org/10.1108/nfs-05-2025-0172
4. Benedicta Twum-Dei, Herman Erick Lutterodt, Reginald Adjetey Annan, **Linda Nana Esi Aduku**, Jonathan Annan-Asare (2026). Drivers and nutritional losses associated with post-harvest loss of fruits and vegetables in Ghana: a cross-sector analysis. *BMC Nutrition*. https://doi.org/10.1186/s40795-026-01293-5
5. Akosua Boateng, Pearl Agyekum, **Linda Esi Aduku**, Charles Apprey, Selena Ahmed, Nilendra Nair, Reginald Annan, Herman Lutterodt (2026). Dysglycemia and Micronutrient Adequacy Among Farming Households in Ghana: A Cross-Sectional Study. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2026.108890
6. Eunice Afia Amponsah, Amma Larbi, Moses Etsey, Gifty Yeboah, **Linda Nana Esi Aduku**, Charles Apprey, Herman Erick Lutterodt, Reginald Adjetey Annan (2026). Genetic diversity and nutritional variation in food crops in Ghana: A systematic review. *Journal of Food Composition and Analysis*. https://doi.org/10.1016/j.jfca.2026.108878
7. Eunice Amponsah, Pearl Agyekum, **Linda Esi Aduku**, Charles Apprey, Selena Ahmed, Nilendra Nair, Reginald Annan, Herman Lutterodt (2026). Genomic Diversity Is Linked to Nutritional Trait Variation in

Indigenous Ghanaian Crops. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2026.108545

8. Janet Beyuo, Lyndon Nii Adjiri Sackey, **Linda Nana Esi Aduku**, Charles Apprey, Herman Erick Lutterodt, Reginald Adjetey Annan (2026). Influence of soil health on tomato sensory quality: a PRISMA-based systematic review. *Discover Agriculture*. https://doi.org/10.1007/s44279-026-00512-8
9. Sheila Mensah, **Linda Esi Aduku**, Perl Agyekum, Charles Apprey, Nilendra Nair, Selena Ahmed, Reginald Annan, Herman Lutterodt (2026). Post-harvest Handling Shapes Nutrient Retention in Selected Indigenous Crops. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2026.107863
10. Sheila Mensah, Pearl Agyekum, **Linda Esi Aduku**, Charles Apprey, Selena Ahmed, Nilendra Nair, Reginald Annan, Herman Lutterodt (2026). Post-harvest Stress Alters Phytochemical Quality in Selected Indigenous Crops. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2026.108236
11. Benedicta Twum- Dei, Reginald A Annan, Herman E Lutterodt, **Linda N Aduku**, Jonathan Annan-Asare (2026). Reducing Household Fruit and Vegetable Waste as a Nutrition-Sensitive Food Systems Strategy: A Randomized Controlled Trial in Rural Ghana. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2026.107905
12. Amos Anim, Pearl Agyekum, **Linda Esi Aduku**, Charles Apprey, Selena Ahmed, Nilendra Nair, Reginald Annan, Herman Lutterodt (2026). Regenerative-Associated Farm Practices Are Linked to Crop Biochemical Composition in Ghana. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2026.107869
13. Amos Anim, **Linda Esi Aduku**, Pearl Agyekum, Charles Apprey, Nilendra Nair, Selena Ahmed, Reginald Annan, Herman Lutterodt (2026). Women-Led Bambara Groundnut Systems Show Nutrition-Relevant Trade-Offs Across Farm Practices in Ghana. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2026.107870
14. Abigail Nana Ama Twekuwa Hayford, Nana Ama Frimpomaa Agyapong, Robert Aidoo, Charles Apprey, **Linda Nana Esi Aduku**, Elizabeth C Swart (2025). Characterising 'obesogenic' versus 'protective' food consumption and their value chain among Ghanaian households. *Public Health Nutrition*. https://doi.org/10.1017/s1368980025000114
15. Benedicta Twum-Dei, Herman Erick Lutterodt, Reginald Adjetey Annan, **Linda Nana Esi Aduku** (2025). Study protocol: post-harvest losses of fruits and vegetables and their relationship with the nutritional status of women and children. *Frontiers in Public Health*. https://doi.org/10.3389/fpubh.2025.1654786
16. Amos O. Anim, Herman Erick Lutterodt, Caleb William Ofori, Ivy Oduro-Boateng, Justina Achiaa Bonsu, Gloria M. Ankar-Brewoo, **Linda Nana Esi Aduku**, Charles Apprey, Reginald Adjetey Annan (2025). The impact of agricultural practices on food composition – A systematic review. *Journal of Food Composition and Analysis*. https://doi.org/10.1016/j.jfca.2025.108388
17. Charles Apprey, Hammond Yaw Addae, Grace Boateng, **Linda Esi Aduku**, Reginald Adjetey Annan (2024). Dietary diversity and nutrient adequacy among women in Bosomtwe District, Ghana. *Maternal and Child Nutrition*. https://doi.org/10.1111/mcn.13757
18. Benedicta Twum - Dei, Richmond Aryeetey, **Linda Nana Esi Aduku** (2024). Dietary diversity and preferences among pregnant women and its association with anaemia. *Nutrition & Food Science*. https://doi.org/10.1108/nfs-11-2023-0273
19. Abigail Nana Ama Twekuwa Hayford, Reginald Adjetey Annan, Florian Kroll, Charles Apprey, **Linda Nana Esi Aduku**, Robert Aidoo, Elizabeth Catherina Swart (2024). Food acquisition and consumption by NOVA food classification and lived poverty index among rural and urban households in South Africa and Ghana. *Public Health Nutrition*. https://doi.org/10.1017/s1368980024002118
20. Anne Marie Thow, David Neves, Robert Aidoo, **Linda Nana Esi Aduku**, Busiso Moyo, Charles Apprey, Florian Kroll, Reginald Annan (2024). Strengthening the governance of food systems for nutrition in Africa: a political economy analysis of food policy in South Africa and Ghana. *Public Health Nutrition*. https://doi.org/10.1017/s1368980024001356
21. Samuel Akwei Sackar, Charles Apprey, **Linda Nana Esi Aduku**, Anne Marie Thow, Reginald Annan (2023). Operationalising multi-sectoral food- and nutrition-related policies to curb the rise in obesity in Ghana.

Public Health Nutrition. https://doi.org/10.1017/s136898002300037x

22. Bhavana Singh, **LNE Aduku**, DB Kumah, S Kyeremeh (2022). Macular pigment optical density in the Bosomtwi District, Ghana. *Investigative Ophthalmology & Visual Science*. https://iovs.arvojournals.org/article.aspx?articleid=2781350
23. Bhavana Singh, **LNE Aduku**, JA Hamidu, DB Kumah (2022). Prevalence of Amblyogenic Risk Factors among Preschool Children in Rural Ghana. *Investigative Ophthalmology & Visual Science*. https://iovs.arvojournals.org/article.aspx?articleid=2781651&resultClick;=1
24. Linda Afriyie Gyimah, Reginald Adjetey Annan, Charles Apprey, Anthony Edusei, **Linda Nana Esi Aduku**, Odeafo Asamoah-Boakye, Wisdom Azanu, Herman Lutterodt (2021). Dietary diversity and its correlates among pregnant adolescent girls in Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0247979
25. Reginald Adjetey Annan, Linda Afriyie Gyimah, Charles Apprey, Anthony Kwaku Edusei, Odeafo Asamoah-Boakye, **Linda Nana Esi Aduku**, Wisdom Azanu, Herman E. Lutterodt (2021). Factors associated with iron deficiency anaemia among pregnant teenagers in Ashanti Region, Ghana: A hospital-based prospective cohort study. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0250246
26. M. Udahogora, H. Lutterodt, **N. Aduku** (2021). Nutrition Sensitive Food Systems in Ghana _ A Successful Global Classroom for Dietetic Students. *Journal of the Academy of Nutrition and Dietetics*. https://doi.org/10.1016/j.jand.2021.06.199
27. Linda Afriyie Gyimah, Reginald Adjetey Annan, Charles Apprey, Odeafo Asamoah-Boakye, **Linda Nana Esi Aduku**, Wisdom Azanu, Herman E. Lutterodt, Anthony Kwaku Edusei (2021). Nutritional status and birth outcomes among pregnant adolescents in Ashanti Region, Ghana. *Human Nutrition & Metabolism*. https://doi.org/10.1016/j.hnm.2021.200130
28. Reginald Adjetey Annan, Linda Afriyie Gyimah, Charles Apprey, Odeafo Asamoah-Boakye, **Linda Nana Esi Aduku**, Wisdom Azanu, Herman E. Luterodt, Anthony K. Edusei (2021). Predictors of adverse birth outcomes among pregnant adolescents in Ashanti Region, Ghana. *Journal of Nutritional Science*. https://doi.org/10.1017/jns.2021.58
29. Abigail Nana Ama Twekuwa Hayford, Reginald Adjetey Annan, Charles Apprey, **Linda Nana Esi Aduku** (2020). Body Weight, Obesity Perception, and Actions to Achieve Desired Weight among Rural and Urban Ghanaian Adults. *Journal of Obesity*. https://doi.org/10.1155/2020/7103251
30. Reginald Adjetey Annan, **Linda Nana Esi Aduku**, Samuel Kyei-Boateng, Ho Ming Yuen, Trevor Pickup, Andy Pulman, Michele Monroy-Valle, Ann Ashworth, Alan A. Jackson, Sunhea Choi (2020). Implementing effective eLearning for scaling up global capacity building: findings from the malnutrition elearning course evaluation in Ghana. *Global Health Action*. https://doi.org/10.1080/16549716.2020.1831794
31. Abigail Nana Ama Twekuwa Hayford, Reginald A. Annan, Charles Apprey, **Linda N. E. Aduku**, Elizabeth C. Swart (2020). The association between dietary consumption, anthropometric measures and body composition of rural and urban Ghanaian adults: a comparative cross-sectional study. *BMC Nutrition*. https://doi.org/10.1186/s40795-020-00339-6
32. Anne Marie Thow, Charles Apprey, Janelle Winters, Darryl Stellmach, Robyn Alders, **Linda Nana Esi Aduku**, Georgina Mulcahy, Reginald Annan (2020). Understanding the Impact of Historical Policy Legacies on Nutrition Policy Space: Economic Policy Agendas and Current Food Policy Paradigms in Ghana. *International Journal of Health Policy and Management*. https://doi.org/10.34172/ijhpm.2020.203
33. Sunhea Choi, Ho Ming Yuen, Reginald Annan, Michele Monroy-Valle, Trevor Pickup, **Nana Esi Linda Aduku**, Andy Pulman, Carmen Elisa Portillo Sermeño, Alan A Jackson, Ann Ashworth (2019). Improved care and survival in severe malnutrition through eLearning. *Archives of Disease in Childhood*. https://doi.org/10.1136/archdischild-2018-316539
34. Abigail Nana Ama Twekuwa Hayford, Elizabeth Catherina Swart, Reginald Adjetey Annan, Anne Marie Thow, David Neves, Charles Apprey, **Linda Nana Esi Aduku**, Nana Ama Frimpomaa Agyapong, Jean-Claude Moubarac, Andries du Toit, Robert Aidoo, David Sanders (2019). Mapping Obesogenic Food Environments in South Africa and Ghana: Correlations and Contradictions. *Sustainability*. https://doi.org/10.3390/su11143924
35. Sunhea Choi, Ho Ming Yuen, Reginald Annan, Trevor Pickup, Andy Pulman, Michele Monroy-Valle, **Nana**

Esi Linda Aduku, Samuel Kyei-Boateng, Carmen Isabel Velásquez Monzón, Carmen Elisa Portillo Sermeño, Andrew Penn, Ann Ashworth, Alan A Jackson (2018). Effectiveness of the Malnutrition eLearning Course for Global Capacity Building in the Management of Malnutrition: Cross-Country Interrupted Time-Series Study. *Journal of Medical Internet Research*. https://doi.org/10.2196/10396

36. **Linda Nana Esi Aduku** (2017). Improving the management of severe acute malnutrition among infants and children through capacity building: findings from an evaluation study with malnutrition eLearning. *HAL (Le Centre pour la Communication Scientifique Directe)*. https://www.academia.edu/download/107058453/document.pdf

37. Nat Ato Yawson, Aaron Opoku Amankwaa, Bernice Tali, Velma Owusua Shang, Emmanuella Nsenbah Batu, Kwame Asiemoah, Ahmed Denkeri Fuseini, Louis Nana Tene, Leticia Angaandi, Isaac Blewusi, Makafui Borbi, **Linda Nana Esi Aduku**, Pheonah Badu, Henrietta Abbey, Thomas K Karikari (2016). Evaluation of Changes in Ghanaian Students' Attitudes Towards Science Following Neuroscience Outreach Activities: A Means to Identify Effective Ways to Inspire Interest in Science Careers. *PubMed*.

Conference papers 1

1. R Annan, **LNE Aduku** (2023). Building capacity to scale-up improved inpatient treatment of severe malnutrition: experiences in Ghana. *ANNALS OF NUTRITION AND METABOLISM*. https://scholar.google.com/scholar?cluster=2599163887969387678&hl=en&oi=scholarr