

Emmanuel Donkor

Department of Agricultural Economics, Agribusiness and Extension
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Key Research Interests: Microeconometric Analysis, Food Value Chain Analysis and Market Development, Adoption of Agricultural Innovation, Efficiency and Productivity, Land Tenure, Food Security, Gender and Agricultural Development, Agricultural Extension and Rural Development, and Economics of Climate Change

EDUCATION:

- 2015 – 2018 **PhD Food Business and Development** – University College Cork, Ireland
- 2015 – 2018 **PhD Project Planning and Sustainable Management** - Universidad Politécnica de Madrid, Spain
- 2013 – 2015 **MSc. Agricultural Economics** – University of the Free State, South Africa
- 2012 – 2015 **MPhil. Agricultural Economics** – Kwame Nkrumah University of Science and Technology, Ghana
- 2007 – 2011 **BSc. Agriculture (Option Agricultural Economics)** - Kwame Nkrumah University of Science and Technology, Ghana
- 2017 – 2018 **Certificate in Teaching and Learning in Higher Education** – University College Cork, Ireland
- 2006 – 2007 **Certificate in Computer Software Installation and Hardware** – Westphalian Computer Institute, Ghana

PROFESSIONAL EXPERIENCE:

- 2016 **Co-Research Team Leader – Kwame Nkrumah University of Science and Technology & ACDI/VOCA, Ghana**
- Contributed to the writing of research proposal leading to the award of Ghana Poultry Project (GPP) Baseline Survey – USDA Funded Project: Developing the poultry value chain and market in Ghana
 - Assisted in the designing of the survey and survey instruments
 - Coordinated the data collection process
 - Contributed to the analysing of the datasets and writing of the technical research report
- 2016 **Enumerator – University of Otago, New Zealand & University College Cork, Ireland**
- Engaged in data collection on consumer preference for food labels
- 2016 – 2017 **Data Analyst – Africa Rice Centre and Kwame Nkrumah University of Science and Technology, Ghana**
- Assisted in the designing of research instruments to analyse the impact of gender differential and adoption of improved farm innovations on livelihoods of rice farmers in Ghana
 - Analysed the dataset using Stata and interpreted the results
- 2015 – ongoing **Co-Founder – ResearchEnclave, Ghana**
- Co-founded research consultancy that organizes workshops to train university students and researchers on research design and data analysis using SPSS, STATA, Eviews, Shazam, Nlogit
 - Facilitate workshop training of the consultancy
 - Coordinate and promote the activities of the consultancy

- 2015 – 2018 **Research and Teaching Assistant - Department of Food Business and Development, University College Cork, Ireland**
- Developed research proposals, designing of research, analyzing of research datasets related to an European funded project aiming at developing food value chains for small/medium-scale farmers in Nigeria
 - Organized tutorials for undergraduate and masters' students on the following courses: Food Security and Sustainable Livelihoods in the Developing World, Principles of Agricultural and Resource Economics, Introduction to Food and Agricultural Economics, Contemporary Issues in Development, Research Methods and Data Analysis
 - Assisted students to analyze their research data
- 2014 – 2015 **Data Analyst and Co-supervisor- Department of Agriculture, Forestry and Fisheries & University of the Free State, South Africa**
- Co-supervised the entire data collection process
 - Assisted in the designing of research instrument to evaluate the impact of Homestead Food Garden Programme on food security status of households in Gauteng Province, South Africa
 - Designing coding scheme and data entry template
 - Analysed the dataset using Stata
 - Contributed to the writing of the research manuscript for publication
- 2014 – 2018 **Peer Reviewer - Sustainability, Land, Climate, Risk, Agricultural Systems, Journal of Decision Systems, Journal of Environment, Development and Sustainability, Development in Practice, Journal of Information Development, International Journal of Agricultural Extension, International Journal of Agricultural Policy and Research, Athens Journal of Business and Economics, Cogent Economics and Finance, Cogent Food and Agriculture, Cogent Business and Management, International Journal of Fruit Science**
- Reviewed a number of research manuscripts and provided constructive feedback to improve the quality of the manuscripts
 - Assisted editors to make an informed judgement about the quality of research manuscripts submitted for publication
- 2013 – 2015 **Research and Teaching Assistant - Department of Agricultural Economics, University of the Free State, South Africa**
- Teaching of courses: Applied Econometrics, Agricultural Economics, Research Methods
 - Assisted postgraduate students to design their research methodology and analyze their datasets
 - Assisted lecturers to conduct socioeconomic survey in South Africa
- 2012 – 2013 **Postgraduate Representative – Department of Agricultural Economics, Agribusiness and Extension, Kwame Nkrumah University of Science and Technology, Ghana**
- Reported and discussed postgraduate students' grievances with the Postgraduate School
- 2011 – 2015 **Research and Teaching Assistant – Department of Agricultural Economics, Agribusiness and Extension, Kwame Nkrumah University of Science and Technology, Ghana**
- Teaching of courses: Quantitative Methods, Applied Econometrics, Introduction to Statistics, Experimental Design, Research Methods, Project Appraisal, Production Economics
 - Assisted lecturers to conduct research work; grading of students' assignments and examination scripts; invigilation of semester examinations
 - Supervision of undergraduate and postgraduate students
- 2011-2012 **Enumerator – International Food Policy Research Institute (IFPRI), Ghana**
- Designed coding schemes and data entry template, collecting of data sets, entering and analyzing of datasets related to N2Africa Project.

- 2011 **Enumerator – World Food Programme (WFP) & Kwame Nkrumah University of Science and Technology, Ghana**
- Developing of data coding schemes; data collection; data entry and analysis using SPSS related to P4P Project in West Africa (Purchase for Progress).
- 2011 **Enumerator – International Fertilizer Development Centre (IFDC) & Kwame Nkrumah University of Science and Technology, Ghana**
- Designed coding schemes and data entry template, collecting of data sets, entering and analyzing of datasets related to Fertilizer Adoption in Ghana Project.
- 2010 – ongoing **Private Data Analysis Consultant**
- Performed data analysis for a number of undergraduate and postgraduate students in some African countries: South Africa, Lesotho, Zimbabwe, Botswana, Ghana, Kenya, Tanzania, Uganda, the Gambia, Nigeria; Europe: Ireland, UK, Denmark, the Netherlands; Asia: China and Oceania: New Zealand
- 2009 – 2011 **University Peer Counselor and Peer Educator - Kwame Nkrumah University of Science and Technology & Planned Parenthood Association of Ghana**
- Provided counselling services for students on reproductive health, academic excellence, time management, and relationship
- 2010 - 2011 **Monitoring and Evaluation Assistant Coordinator (Intern) - Ministry of Food and Agriculture, Kwabre East Directorate, Ghana**
- Conducted monitoring and evaluating of the Unleashing the Power of Cassava in West Africa (UPoCA) Project
 - Coordinated the distribution of improved cassava varieties to farmers
 - Monitored and coordinated the establishment of seed farm under the UPoCA Project
- 2008 – 2011 **Management Information System Assistant Officer (Intern) – Ministry of Food and Agriculture, Kwabre East Directorate, Ghana**
- Compilation of agricultural extension agents' reports
 - Collection of price data from markets
 - Writing of report on Fertilizer Subsidy Programme
 - Educating farmers on reproductive health

THESIS:

PhD: Integrating small and medium-scale producers into the cassava food value chain in Nigeria

MPhil: Effects of land tenure systems on resource use productivity and efficiency in Ghana's rice industry

MSc: Determinants of resource use productivity and efficiency of Ghana's rice industry

BSc: The adoption of improved cassava varieties among farmers in Sekyere South District of Ashanti Region in Ghana

HONORS/AWARDS:

- 2018 **The Next Generation Delegate 2018**, the Chicago Council on Global Affairs, Washington DC., USA
- 2017 **Travel Grant** – Cork Business School, University College Cork, Ireland
- 2016 **Research Contract** – Ghana Poultry Project (GPP) Baseline Survey funded by USDA (FCC-641-2015/010-00), ACDI/VOCA
- 2016 **Workshop Grant** – Regional Universities Forum for Capacity Building in Agriculture (RUFORUM) Secretariat, Uganda & AgTrain, Denmark
- 2015-2018 **Agricultural Transformation by Innovation (AgTrain)** – European Union Funded Project and Scholarship
- 2015 **Research Grant** – the Society of African Mission, Ireland

2013-2015 **Intra ACP (Africa, the Caribbean and the Pacific) Mobility Scholarship** – Erasmus Mundus European Union Scholarship

Professional Associations

- 2016 – ongoing Agricultural Economic Society (AES)
 2016 – ongoing African Association of Agricultural Economists (AAAE)
 2014 – ongoing Athens Institute for Education and Research (ATINER)
 2013 – ongoing Agricultural Economics Association of South Africa (AESA)

LIST OF PUBLICATIONS:

- 2018 **Donkor, E.**, Owusu, V., Owusu-Sekyere, E. and Abiodun, O.A.A. (2018). The adoption of farm innovations among rice producers in northern Ghana: Implication for sustainable rice supply. *Agriculture*, 8(121):1-13.
- 2018 **Donkor, E.**, Onakuse, S., Bogue, J., and De Los Rios, I.C. (2018). The analysis of impact of direct marketing channel on cassava producers' income in Nigeria. *Journal of Agricultural Economics*, yet to be submitted.
- 2018 Bahta, Y., Owusu-Sekyere, E., **Donkor, E.** (2018). Homestead garden in South Africa: policy implication for food security and sustainable development. *Journal of Food Security*, 10 (1): 95-110.
- 2018 **Donkor, E.**, Onakuse, S., Bogue, J. and De Los Rios, I.C. (2018). Determinants of farmer participation in direct marketing channels: A case study for cassava in the Oyo State of Nigeria. *Spanish Journal of Agricultural Research*, 16(2): 1-16.
- 2018 Abiodun, A. O., **Donkor E.** and Onakuse, S. (2018). Impact of access to credit on farm income: Policy implications for rural agricultural development in Lesotho. *Agrekon*, 26(2):1-16.
- 2018 **Donkor, E.**, Onakuse, S., Bogue, J., and De Los Rios, I.C. (2018). Promoting value addition among farmers in the cassava food value chain in Nigeria. *British Food Journal*, 120(9): 2047-2065.
- 2018 **Donkor, E.**, Nicolette, M. and Abiodun, A. O. (2018). Efficiency of rice farming in Ghana: policy implications for rice sector development. *African Development Review*, 30(2): 149-161.
- 2018 **Donkor, E.**, Owusu-Sekyere, E., Owusu, V. and Adu, E. (2018). The development and promotion of sweet potato yoghurt in Ghana. *British Food Journal*, under review.
- 2018 **Donkor, E.**, Onakuse, S., Bogue, J. and De Los Rios, I.C. (2018). The impact of inorganic fertiliser adoption on the livelihoods of rural cassava farmers in Nigeria. *Journal of Food Security*, under review.
- 2018 **Donkor, E.**, Onakuse, S., Bogue, J. and De Los Rios, I.C. (2018). Cassava value chain for economic transformation in Nigeria. *Development in Practice*, under review.
- 2018 Onakuse, S. and **Donkor, E.** (2018). Developing agribusiness in Nigeria through agricultural co-operatives and credit union movement. *Journal of Agribusiness and Rural Development*, under review.
- 2018 **Donkor, E.**, Onakuse, S., Bogue, J. and De Los Rios, I.C. (2018). Understanding the patterns of income distribution among key actors in the cassava food value chain in Nigeria. *Journal of Economic Development and Cultural Change*, yet to be submitted.
- 2018 Owusu, V., Owusu-Sekyere, E. and **Donkor, E.** (2018). Irrigation management transfer, productivity and net returns in northern Ghana. *Journal of World Development*, under review
- 2017 **Donkor, E.**, Onakuse, S., Bogue, J. and De los Rios, I.C. (2017). Impact of the Presidential Cassava Initiative on cassava productivity in Nigeria: Implication for sustainable food supply and food security, *Cogent Food and Agriculture*, 3:1-14.
- 2017 Owusu, V., **Donkor, E.** and Owusu-Sekyere, E. (2017). Accounting for the gender technology gap amongst smallholder rice farmers in Northern Ghana. *Journal of Agricultural Economics*, 1-19.

- 2017 Owusu, V., Owusu-Sekyere, E., **Donkor, E.**,... (2017). Consumer perceptions and willingness to pay for cassava-wheat composite bread in Ghana: A hedonic pricing approach. *Journal of Agribusiness in Developing and Emerging Economies*, 7(2):115-134.
- 2017 Bahta, Y., Dirk, B.S. and **Donkor, E.** (2017). Microcredit and gender empowerment: policy implications for sustainable agricultural development in Eritrea. *Development in Practice*, 27(1):90-102.
- 2017 **Donkor, E.**, Owusu-Sekyere, E., Owusu, V., Saadu, S., Baidoo, J, Avame, Y. H, Djamson E. K. and Owusu S., F. (2017). Assessing the financial viability of the floricultural industry in Ghana. *Journal of Applied Studies in Agribusiness and Commerce*, 11(1-2): 119-126.
- 2016 **Donkor, E.**, Owusu, V., Owusu-Sekyere, E. and Jordaan, H. (2016). Impact of rowplanting adoption on productivity of rice farming in Northern Ghana. *Journal of Review Agricultural and Applied Economics*, 19 (2):19-28.
- 2016 **Donkor, E.**, Owusu, V. Owusu-Sekyere, E. and Jordaan, H. (2016). Impact of agricultural extension service on adoption of chemical fertilizer: Implications for rice productivity and development in Ghana. *NJAS, Wageningen Journal of Life Sciences*, 79:41-49.
- 2016 **Donkor, E.** and Anane, E. (2016). Saving behaviour of citrus farmers in Ghana: Implications for rural enterprise development. *Journal of Development in Practice*, 1037-1046
- 2016 Nyuor, A.B., **Donkor, E.**, Aidoo, R. Buah, S.S., Jesse B. Naab, Nutsugah, S. K., Bayala, J. and Zougmore, R. (2016). Analysis of impact of climate change on cereal crop production in Northern Ghana. *Journal of Sustainability*, 8(724), 1-17.
- 2014 Atuahene, C.C., Atuahene, A.J., Adjei, M.B. and **Donkor, E.** (2014). The perception and preference of consumers for local poultry meat in the Kumasi Metropolis of Ghana. *Ghana Journal of Agricultural Science*, 4(1):31-38.
- 2014 **Donkor, E.** and Owusu, V. (2014). Effects of land tenure systems on resource-use productivity and efficiency in Ghana's rice industry. *African Journal of Agricultural and Resource Economics*, 9(4):286-299.
- 2014 **Donkor, E.** and Owusu, V. (2014). Socioeconomic determinants of rice farmers' choices of land tenure systems in the Upper East Region of Ghana. *Journal of Agricultural Technology*, 10(3):505-515.
- 2014 **Donkor, E.**, Owusu, V. and Owusu-Sekyere, E. (2014). Assessing the determinants of adoption of improved cassava varieties in Ashanti of Ghana. *African Development and Resources Research Institute (ADRRRI) Journal*, 5(2):92-104.
- 2014 Owusu-Sekyere, E., **Donkor, E.** and Denkyira, S. K. (2014). Consumers' perception and knowledge on the safety of freshly consumed leafy vegetables: Evidence from Ghana. *African Development and Resources Research Institute (ADRRRI) Journal*, 7(2):67-80.
- 2012 Owusu, V. and **Donkor, E.** (2012). Adoption of improved cassava varieties in Ghana. *Agricultural Journal*, 7(2):146-151

Conference Papers:

- 2017 **Donkor, E.**, Onakuse, S., Bogue, J. and De Los Rio, I.C. (2017). **Impacts of inorganic fertiliser adoption on productivity and incomes of smallholder cassava farmers in Nigeria: Implications for rural development. Paper presented in the Agricultural Economics Society's 91st annual conference** held at the Royal Dublin Society in Dublin, Ireland, 24- 26 April, 2017.
- 2017 **Donkor, E.**, Onakuse, S., Bogue, and De Los Rios, I.C. (2017). Integrating smallholder farmers into value adding activities in the cassava food value chain in Nigeria. Paper presented at the *International Food Marketing Research Symposium* in Dubrovnik, Croatia, June 15-16, 2017.
- 2016 **Donkor, E.**, Onakuse, S., Bogue, and Ignacio De Los Rios (2016). The impact of the presidential cassava initiative on cassava productivity in Nigeria: Implication for sustainable food supply and food security. Paper presented at *International Conference on Research on Food Security, Natural Resource Management and Rural Development, Tropentag 2017* in Vienna, Austria, 18-21 September, 2017.

- 2016 **Donkor, E.**, Owusu, V. and Owusu-Sekyere, E. (2016). Accounting for gender technology gap in smallholder rice industry in Northern Ghana. Paper presented at the **85th Annual Conference of the Agricultural Economics Society**, Warwick University, U.K., 18 - 20 April, 2011.
- 2016 Owusu-Sekyere, E., Owusu, V., **Donkor, E.** and Jordaan, H. (2016). Heterogeneous preferences for functional ingredients and health claims attributes of beef: evidence from Ghana. In Proceeding of: **Food Studies Conference**, University of California at Berkeley, Berkeley, USA, 12-13 October, 2016.
- 2016 Owusu-Sekyere, E., Owusu, V., **Donkor, E.** and Jordaan, H. (2016). The participation and impact of irrigation management transfer (IMT) water usage on rice productivity and net returns. Empirical evidence from Ghana. In Proceeding of: **1st Conference of the Water Footprint Research Alliance**, Garden Court Nelson Mandela Boulevard, Cape Town, South Africa, 4-7 April, 2016.
- 2016 **Donkor, E.**, Onakuse, S. and Bogue, J. (2016). Cassava value chain for economic transformation in Nigeria. Contributed Paper selected for oral presentation at the **International Food and Agribusiness Management Association 26th Annual World Conference**, Aarhus, Denmark, 19-23 June, 2016.
- 2016 Onakuse, S, **Donkor, E.** and Bogue, J. (2016). Developing agribusiness in Nigeria through agricultural co-operatives and credit union movement. Contributed Paper selected for oral presentation at the **International Food and Agribusiness Management Association 26th Annual World Conference**, J Aarhus, Denmark, 19-23 June, 2016.
- 2016 Bahta, Y.T., Strydom, D.B. and **Donkor, E.** (2015). Women access to credit: An empirical evidence from Eritrea. Contributed Paper selected for visual presentation at **29th Triennial Conference of the International Association of Agricultural Economists**, Milan, Italy, 8-14, August, 2015.
- 2015 **Donkor, E.**, Ziba, D. and Awunyor, D.V. (2015). Impact of irrigation scheme on farmers' livelihood in Northern Ghana: Policy implications for sustaining all-year agriculture. Paper selected for presentation at the **World Sustainability Conference**, Basel, Switzerland, 7-9 September, 2015.
- 2015 Fadeyi, T. A., **Donkor, E.** and Andries, J. (2015). Impacts of climate change adaptation strategies on Drought risk: Implication for sustainable agriculture in South Africa. Paper selected for presentation at the **World Sustainability Conference**, Basel, Switzerland, 7-9 September, 2015.
- 2014 **Donkor, E.** (2014). Examining the effects of land tenure systems on resource-use productivity and efficiency of Ghana's rice industry. Paper selected for poster presentation at the **4th International Rice Congress (IRC2014) at the Bangkok International Trade and Exhibition Centre (BITEC)**, Bangkok, Thailand, 27 October – 1 November, 2014.
- 2014 **Donkor, E.**, Owusu, V., Nicolette, M. and Ogundeji, A. A. (2014). Effects of fixed-rent tenancy on resource-use efficiency of rice farms: Evidence from Ghana. Paper presented at **Agricultural Economics Association of South Africa (AEASA) Conference** held at Eastern Cape, South Africa.
- 2014 **Donkor, E.** (2014) and Owusu, V. (2014). Examining the effects of land tenure systems on resource-use productivity and efficiency of Ghana's rice industry. Selected paper prepared for presentation at **7th Annual International Symposium on Agricultural Research**, Athens, Greece, 14-17 July, 2014.
- 2012 **Donkor, E.** and Owusu, V. (2012). The adoption of improved cassava varieties among farmers in the Ashanti Region of Ghana. Paper presented at **West Africa Root and Tuber Conference**, Accra, Ghana.