PUBLICATIONS

a. *Book Chapters*

1. Melomey L.D., **A. Danquah**, S.K. Offei, K. Ofori, E. Danquah and M.K. Osei (2019) Review on Tomato (*Solanum lycopersicum*, L.) Improvement Programmes in Ghana. In S.T. Nyaku and A. Danquah (Eds.), *Recent Advances in Tomato Breeding and Production* (pp. 49 – 69) London, UK: Intechopen Limited. *DOI*: 10.5772/intechopen. 75843.
2. Osei M.K., B. Annor, J. Adjebeng-Danquah, **A. Danquah**, E. Danquah, E. Blay and H. Adu-Dapaah (2019) Genotype × environment interaction: A prerequisite for tomato variety development. In S.T. Nyaku and A. Danquah (Eds.), *Recent Advances in Tomato Breeding and Production* (pp. 93–113) London, UK: Intechopen Limited. *DOI*: 10.5772/intechopen.76011.
3. Osei M.K., R. Prempeh, J. Adjebeng-Danquah, J.A. Opoku, **A. Danquah**, E. Danquah, E. Blay and H. Adu-Dapaah (2019) Marker-Assisted Selection (MAS): A fast-track tool in tomato breeding. In S.T. Nyaku and A. Danquah (Eds.), *Recent Advances in Tomato Breeding and Production* (pp. 71 – 91) London, UK: Intechopen Limited. *DOI*: 10.5772/intechopen.76007.
4. Nyaku S.T., A. Affokpon, **A**. **Danquah** and C. Brentu (2017) Harnessing useful rhizosphere microorganisms for nematode control. In M.M. Shah and M. Mahamood (Eds), *Nematology - Concepts, Diagnosis and Control* (pp. 153 – 182) London, UK: Intechopen Limited. *DOI*: 10.5772/intechopen.69164.
5. Tongoona P., **A**. **Danquah** and E. Danquah (2017). Understanding Clients' Needs. In V. Anthony & G. Pesley (Eds.), *The Business of Plant Breeding: Market led Approaches to Plant Variety Design in Africa* (pp. 63 – 84). Wallingford, UK: CABI International. ISBN-13: 978-1786393814.

b. Published Research Work in Refereed Journals

1. Norman, P.E., A. Asfaw, P.A. Agre, **A. Danquah**, P.B. Tongoona E.Y. Danquah and R. Asiedu (2023) **Molecular and phenotypic profiling of white Guinea yam (*Dioscorea rotundata*) breeding lines**. *Frontiers in Horticulture*. 2: 1290521 *DOI*: 10.3389/fhort.2023.1290521
2. Anyomi W.E., M. T. Barnor, J.S.Y. Eleblu, **A. Danquah**, S. W. Avicor, K. Ofori, I. Hale, F. K. Padi and E.Y. Danquah (2023) **Elucidation of the genetic diversity within some in-situ germplasm in Ghana**. *Agronomy*. 13, 2256. *DOI*: 10.3390/agronomy13092256
3. Odoi B.J., EA. Adjei, M.T. Barnor, R. Edema, S. Gwali, **A. Danquah**, T.L. Odong, P.S. Hendre (2023) **Genome-wide association mapping of oil content and seed related traits in shea tree (*Vitellaria paradoxa* Subsp. nilotica) population**. *Horticulturae*, 12(7):811. *DOI*: 10.3390/horticulturae9070811.

4. Anyomi E.W., M.T. Barnor, **A. Danquah**, K. Ofori, F.K. Padi, S.W. Avicor, I. Hale and E.Y. Danquah (2023) **Heritability and genetic advance estimates of key shea fruit traits**. *Agronomy*, 13(3): 640. *DOI*: 10.3390/agrono my13030640.
5. Awuku F.J., F. Kusi, **A. Danquah**, P. Tongoona and M.P. Timko (2022) **Morphological and Molecular profiling of *Striga gesnerioides* on cowpea in Ghana**. *Ecological Genetics and Genomics*. *DOI:* 10.1016/j.egg.2022.100141.
6. Ayenan M.A.T., **A. Danquah**, P. Hanson, I.K. Asante and E.Y. Danquah (2022) **Combining abilities and heterotic patterns for heat tolerant traits in tomatoes (*Solanum lycopersicum* L.)**. *Plant Breeding*, 1 – 13. *DOI*: 10.1111/p br.13037.
7. Ayenan M.A.T., **A. Danquah**, P. Hanson, I.K. Asante and E.Y. Danquah (2022) **Tomato (*Solanum lycopersicum* L.) genotypes respond differently to diverse heat stress regimes**. *Horticulturae*, 8(2), 118. *DOI*: 10.3390/hortic ulturae8020118.
8. Diatta-Holgate E., E. Hugghis, C. Weil, J.M. Faye, **A. Danquah**, C. Diatta, P. Tongoona, E.Y. Danquah, N. Cisse and M.R. Tuinstra (2022) **Natural variability for protein digestibility and grain quality traits in a West African Sorghum Association Panel**. *Journal of Cereal Science*, 107:103504. *DOI*: 10.1016/j.jcs.2022.103504.
9. Kassim Y.B., R. Oteng-Frimpong, D.K. Puozaa, E.K. Sie, M. Adbul-Rasheed, I. Abdul-Rashid, **A. Danquah**, D.A. Akogo, J. Rhoads, D. Hoisington, M.D. Burow and M. Balota (2022) **High throughput plant phenotyping (HTPP) in third world countries: a working example in Ghana showing prospects and resources available**. *Agronomy* 12(11), 2733. *DOI:* 10.3390/agronomy12112733.
10. Lamini S., E.W. Cornelius, F. Kusi, **A. Danquah**, P. Attamah, Z. Mukhtaru, F. Awuku, E.Y. Owusu, and M.A. Acheampong, and G. Mensah (2022) **Identification of Cowpea sources of resistance to Macrophomina Root Rot Disease in Northern Ghana**. *Heliyon*. 8(12): e12217. *DOI*: 10.1016/j.heliyon.2022.e12217.
11. Melomey L.D., M.A.T. Ayenan, G. Marechera, P. Abu, **A. Danquah**, D. Tarus and E.Y. Danquah (2022) **Pre and post-harvest practices and varietal preferences of tomato in Ghana**. *Sustainability*, 14(3): 1436. *DOI*: 10.3390/ su14031436.
12. Norman, P.E., P.B. Tongoona**, A. Danquah**, E.Y. Danquah, P.A. Agre, A. Agbona, R. Asiedu and A. Asfaw (2022) **Genetic analysis of agronomic and quality traits from multi-location white yam trials using mixed model with genomic relationship matrix**. *Global Journal of Botanical Science*, 10, pp.8-22. *DOI*: 10.12974/2311-858X.20 22.10.02.
13. Okorley B.A., J.N. Amissah, S.T. Nyaku, F. Kusi, **A. Danquah** and E.Y. Danquah (2022**) First report of *Colletotrichum gloeosporioides* causing anthracnose on Frafra potato (*Coleus rotundifolius*) in Ghana**. *Plant Disease*,106 (10), 2750. *DOI*: 10.1094/PDIS-01-22-0229-PDN.

14. Osei M.K., **A. Danquah**, Adu-Dapaah H., E.Y. Danquah, E.T. Blay, M. Massoudic, and D. Maxwell (2022) **Marker Assisted Backcrossing of alcobaco gene into two elite tomato breeding lines**. *Frontier in Horticulture*. *DOI*: 10.3389/fhort.2022.1024042.
15. Sie E.K., R. Oteng-Frimpong, Y.B. Kassim, D.K. Puozaa, J. Adjebeng-Danquah, A.R. Masawudu, K. Ofori, **A. Danquah**, A.B. Cazenave, D. Hoisington, J. Rhoads and M. Balota (2022) **RGB-image method enables indirect selection for leaf spot resistance and yield estimation in a groundnut breeding program in Western Africa**. *Frontiers in Plant Science, 13:957061. DOI*: 10.3389/fpls.2022.957061.
16. Ayenan M.A.T., **A. Danquah**, P.A. Agre, P. Hanson, I.K. Asante and E.Y. Danquah (2021) **Genomic and phenotypic diversity of cultivated and wild tomatoes with varying levels of heat tolerance**. *Genes*, 12(4), 503. *DOI*: 10.3390/genes12040503.
17. Hale I., X. Ma, A.T.O. Melo, F.K. Padi, P.S. Hendre, S.B. Kingan, S.T. Sullivan, S. Chen, J.-M. Boffa, A. Muchugi, **A. Danquah**, M.T. Barnor, R. Jamnadass, Y. Van de Peer and A.V. Deynze (2021) **Genomic resources to guide improvement of the shea tree**. *Frontiers in Plant Science*, 12:720670. *DOI*: 10.3389/fpls.2021.720670.
18. Maiga A.M., A.G. Diallo, A. Daou, A. Touré, **A. Danquah** and E. Danquah (2021) **Development of female parent sorghum with high lysine and threonine content in Mali**. *Journal of Genetics, Genomics & Plant Breeding*, 5(3) 63-71. ISSN: 2581-3293.
19. Maiga A.M., A.G. Diallo, A. Touré, B. Nebie, **A. Danquah** and E. Danquah (2021) **Combining ability for grain yield and grain components of sorghum hybrid containing high lysine, threonine, iron and zinc content in Mali**. *Journal of Genetics, Genomics & Plant Breeding*, 5(3) 72-83. ISSN: 2581-3293.
20. Maiga A.M., B. Nebie, A.G. Diallo, A. Toure, E. Danquah, **A. Danquah** (2021) **Yield, yield components and nutritional traits values of biofortified Sorghum hybrids in Mali**. *Journal of Agricultural Studies*,10(1). *DOI*: 10.5 296/jas.v10i1.19055.
21. Norman P.E., P.B. Tongoona, **A. Danquah**, E.Y. Danquah, A.A. Paterne, A. Afolabi, R. Asiedu and A. Asfaw (2021) **Genetic parameter estimation and selection in advanced breeding population of white Guinea yam**. *Journal of Crop Improvement*, 35:6, 790-815. *DOI*: 10.108 0/15427528.2021.1881012.
22. Ouedraogo A.P., **A. Danquah**, J.-B. Tignegre, L.S. Poda, B.J. Batieno, I.K. Asante, J.T. Ouedraogo, J.N. Ayertey and K. Ofori (2021) **Determination of inheritance of aphid resistance in cowpea genotypes and identification of single sequence repeat markers linked to resistance genes**. *Legume Science*, 1-8. *DOI*: 10.1002/leg3.127.
23. Ayenan M.A.T., **A. Danquah**, P. Hanson, I.K. Asante and E.Y. Danquah (2021) **Identification of new sources of heat tolerance in cultivated and wild tomatoes**. *Euphytica*, 217, 33. *DOI*: 10.1007/s10681-021-02772-5.

24. Ayenan M.A.T., **A. Danquah**, C. Ampomah-Dwamena, P. Hanson, I.K. Asante and E.Y. Danquah (2020) **Optimizing PollenCounter for high throughput phenotyping of pollen quality in tomatoes**. *MethodX,* 7, 1–11. *DOI*: 10.1016/j.mex.2020.100977.
25. Jiwuba L., **A. Danquah**, I. Asante, E. Blay, J. Onyeka, E. Danquah and C. Egesi (2020) **Genotype by environment interaction on resistance to cassava green mite associated traits and effects on yield performance of cassava genotypes in Nigeria**. *Frontiers in Plant Science,* 11:572200. *DOI*: 10.3389/fpls.2020.572200.
26. Kamanda I., E.T. Blay, I.K. Asante, **A. Danquah**, B.E. Ifie, E. Parkes, P. Kulakow, I. Rabbi, A. Conteh, J.S. Kamara, H.K. Mensah, J.B.A. Whyte & S. Sesay (2020) **Genetic Diversity Studies of Provitamin-A Cassava (*Manihot esculenta* Crantz) in Sierra Leone**. *Genetic Resources and Crop Evolution*, 67, 1193–1208. *DOI*: 10.1007/s1 0722-020-0005-8.
27. Lamini S., E.W. Cornelius, F. Kusi, **A. Danquah**, P. Attamah, Z. Mukhtaru, J.F. Awuku, and G. Mensah (2020) **Prevalence, incidence and severity of a new root rot disease of cowpea caused by *Macrophomina phaseolina* (Tassi) Goid in Northern Ghana**. *West African Journal of Applied Ecology*, Vol. 28(2): 140 – 154.
28. Norman P.E., A.A. Paterne, **A. Danquah**, P.B. Tongoona, E.Y. Danquah, D.D Koeyer, U.N. Ikeogu, R. Asiedu and A. Asfaw (2020) **Paternity assignment in White Guinea Yam (*Dioscorea rotundata*) half-sib progenies from polycross mating design using SNP markers**. *Plants* (Basel), 9(4): 527. *DOI*:10.3390/plants9040527.
29. Norman P.E., **A. Danquah**, A. Asfaw, P.B. Tongoona, E.Y. Danquah and R. Asiedu (2020) **Seed viability, seedling growth and yield in White Guinea Yam**. *Agronomy*, 11(1), 2 *DOI*:10.3390/pla nts9040527.
30. Obeng-Bio E., B. Badu-Apraku, B.E. Ifie, **A. Danquah**, E.T. Blay, B. Annor (2020) **Phenotypic characterization and validation of provitamin A functional genes in early maturing provitamin A-quality protein maize (*Zea mays* L.) inbred lines**, *Plant Breeding,* 139: 575 – 588. *DOI*: 10.1111/pbr.12798.
31. Obeng-Bio E., B. Badu-Apraku, B.E. Ifie, **A. Danquah**, E.T. Blay, M.A. Dadzie, G.T. Noudifoulè and A.O. Talabi (2020) **Genetic diversity among early provitamin A quality protein maize inbred lines and the performance of derived hybrids under contrasting nitrogen environments**. *BMC genetics,* 21:78, 1–13. *DOI*: 10.1186/s12863-020-00887-7.
32. Obeng-Bio E., B. Badu-Apraku, Ifie B.E., **A**. **Danquah**, E.T. Blay and M.A. Dadzie (2020) **Assessing inbred–hybrid relationships for developing drought-tolerant provitamin A–quality protein maize hybrids**. *Agronomy Journal,* 1–18. *DOI*: 10.1002/agj2.20344.
33. Osei M.K., E. Danquah, **A**. **Danquah**, E. Blay and H. Adu-Dapaah (2020) **Gene Action of Shelf-Life and other Fruit Quality Traits in a Cross Between a Regular Cultivar and *Alc* Mutant of Tomato**. *Agricultural and Food Science Journal of Ghana,* Vol. 13. eISSN: 0855-5591.

34. Osei M.K., E. Danquah, **A**. **Danquah**, E. Blay and H. Adu-Dapaah (2020) **Hybridity testing of tomato F1 progenies derived from parents with varying fruit quality and shelf life using Single Nucleotide Polymorphism (SNPs**). *Scientific African, DOI*: 10.1016/j.sciaf.2020.e002 67.
35. Ouedraogo A.P., **A. Danquah**, J.-B. Tignegre, B.J. Batieno, H. Bama, D. Ilboudo, J.T. Ouedraogo, J.N. Ayertey & K. Ofori (2020) **Participatory Rural Appraisal on Cowpea Production Constraints and Farmers' Management Practices in Burkina Faso**. *Modern Applied Science,* 14:11 9–18. *DOI*: 10.5539/mas.v14n11p9.
36. Alidu M.S., I.K. Asante, P. Tongoona, K. Ofori, **A. Danquah** and F.K. Padi (2019) **Development and screening of cowpea recombinant inbred lines for seedling drought tolerance**. *Journal of Plant Breeding and Crop Science*, **11**(1), 1 – 10. *DOI*: 10.5897/JPBCS2018.0768.
37. Alidu M.S., I.K. Asante, P. Tongoona, K. Ofori, **A. Danquah** and F.K. Padi (2019) **Farmers' perception of drought effects on cowpea and varietal preferences in Northern Ghana**. *American Journal of Agricultural Research*, 4:46. ISSN:2475-2002
38. Obeng-Bio E., B. Badu-Apraku, B.E. Ifie, **A. Danquah**, E.T. Blay, B. Annor (2019) **Genetic analysis of grain yield and agronomic traits of early provitamin A quality protein maize inbred lines in contrasting environments**. *The Journal of Agricultural Science*, 157 (5), 413 – 433. *DOI*:10.1017/S0021859619000753.
39. Osei M.K., E. Danquah, **A. Danquah**, M. Massoudic, D. Maxwell, H. Adu-Dapaah and E.T. Blay (2019) **Validation of SNP marker linked to alc gene for long shelf life of tomato**. *Journal of Crop Improvement*, 33(5), 669 – 682. *DOI*: 10.1080/15427528.2019.16572.
40. Ezenwaka L., D.P.D. Carpio, J-L. Jannink, I. Rabbi, E. Danquah, I. Asante, **A**. **Danquah**, E. Blay and C. Egesi (2018) **Genome-wide association study of resistance to cassava green mite pest and related traits in cassava (*Manihot esculenta* Crantz)**. *Crop Science,* 58:1 – 12. *DOI*: 10.2135/cropsci2018.01.0024.
41. Kanfany G., A. Fofana, P. Tongoona, **A**. **Danquah**, S. Offei, E. Danquah and N. Cisse (2018) **Estimates of combining ability and heterosis for yield and its related traits in pearl millet inbred lines under downy mildew prevalent areas of Senegal**. *International Journal of Agronomy*, 1 – 12. *DOI*: 10.1155/2018/3439090.
42. Kanfany G., A. Fofana, P. Tongoona, **A**. **Danquah**, S. Offei, E. Danquah and N. Cisse (2018) **Identification of new sources of resistance for pearl millet downy mildew disease under field conditions.** *Plant Genetic Resources*, 1 – 4. *DOI*: 10.1017/S14792 62117000405.
43. Kanfany G., Y.A.B. Zoclanclounon, P. Tongoona, **A**. **Danquah**, S. Offei, A. Fofana, C. Thiaw, E. Danquah and N. Cisse (2018) **Evidence of pathogenic variation in *Sclerospora graminicola* populations from pearl millet growing regions in Senegal**. *Journal of Plant Pathology*, 1(1): 1 – 6. *DOI*: 10.1007/s4216.

44. Norman P.E., A. Asfaw, P.B. Tongoona, **A**. **Danquah**, E.Y. Danquah, D.D. Koeyer, R. Asiedu (2018) **Pollination Success in Some White Yam Genotypes Under Polycross and Nested Mating Designs**. *International Journal of Biological Sciences and Applications*, 5(2): 19 – 28. ISSN: 2375-3811.
45. Osei M.K., **A**. **Danquah**, E.T. Blay, E. Danquah and H. Adu-Dapaah (2018) **Stakeholders' Perception and Preferences of Post-harvest Quality Traits of Tomato in Ghana**. *Sustainable Agriculture Research*, 7(3) 93 – 109. *DOI*:10.5539/sar.v7n3p93.
46. Ayènan M.A.T., **A**. **Danquah**, E.L. Ahoton and K. Ofori (2017) **Utilization and farmers' knowledge on pigeonpea diversity in Benin, West Africa.** *Journal of Ethnobiology and Ethnomedicine*, **13**:37. *DOI*: 10.1186/s13002-017-0164-9.
47. Ayènan M.A.T., K. Ofori, E.L. Ahoton and **A**. **Danquah** (2017) **Pigeonpea [(*Cajanus cajan* (L.) Millsp.)] production system, farmers' preferences and implications for varietal introduction in Benin.** *Agriculture & Food Security*, **6**:48. *DOI*: 10.1186/s40066-017-0129-1.
48. **Danquah A**., A.D. Zelicourt, M. Boudsocq, J. Neubauer, N.F.D. Frey, N. Leonhardt, S. Pateyron, F. Gwinner, J-P. Tamby, D. Ortiz-Masia, M.J. Marcote, H. Hirt and J. Colcombet (2015) **Identification and characterization of an ABA-activated MAP kinase cascade in *Arabidopsis thaliana*.** *The Plant Journal,* **82**: 232 – 244. *DOI*: 10.111 1/tpj.12808.
49. **Danquah A**., S.K. Offei, E.T. Blay, E. Asare and E.Y. Danquah (2006) **Characterization of a mutant population of Cocoyam (*Xanthosoma sagittifolium* L. Schott)**. *International Journal of Botany*, **2** (2): 128 – 132. *DOI*: 10.3923 /ijb.2006.12 8.132.

c. ***Review Articles***

1. Ayenan M.A.T., **A. Danquah**, P. Hanson, C. Ampomah-Dwamena, F.A.K. Sodedji, I.K. Asante and E.Y. Danquah (2019) **Accelerating Breeding for Heat Tolerance in Tomato (*Solanum lycopersicum* L.): An Integrated Approach**. *Agronomy,* 9(11)720: 1 – 23. *DOI*: 10.3390/agronomy9110720.
2. Norman P.E., A. Asfaw, P.B. Tongoona, **A**. **Danquah**, E.Y. Danquah, D.D. Koeyer, R. Asiedu (2018) **Can parentage analysis facilitate breeding activities in root and tuber crops?** *Agriculture*, **8**(7), 1 – 24. *DOI*: 10.33 90/agriculture8070095.
3. Osei M.K., **A**. **Danquah**, E.T. Blay, E. Danquah and H. Adu-Dapaah (2017) **An overview of tomato fruit-ripening mutants and their use in increasing shelf life of tomato fruits**. *African Journal of Agricultural Research*, 12(51): 3520 – 3528. *DOI*: 10.5897/AJAR2017.12.
4. Boudsocq M., **A**. **Danquah**, A.D. Zelicourt, H. Hirt and J. Colcombet (2015) **Plant MAPK cascades: just rapid signaling modules?** *Plant Signaling and Behavior*, 10:9, e1062197. *DOI*: 10.1080/15592324.2015.1062197.
5. **Danquah A**., A.D. Zelicourt, J. Colcombet and H. Hirt (2014) **The role of ABA and MAPK signaling pathways in plant abiotic stress**

responses. *Biotechnology Advances*, **32**(1): 40 – 52. *DOI*: 10.1016/j.biotechadv.2013.09.0 06.Epub 2013Oct 1.

d. ***Published conference proceedings***

1. Alidu M.S., I.K. Asante, P. Tongoona, K. Ofori, **A. Danquah**, and F.K. Padi (2019) Performance of cowpea for grain yield and stability under contrasting soil moisture in Ghana. Poster presented at the Maiden International Conference of the African Plant Breeders Association, Accra, Ghana, Oct 23 – 25, 2019.
2. Ayenan M.A.T., **A. Danquah** and E.Y. Danquah (2019) Breeding heat tolerant tomato varieties: Tapping into genomic and genetic resources. Paper presented at the Maiden International Conference of the African Plant Breeders Association, Accra, Ghana, Oct 23 – 25, 2019.
3. **Danquah A**., I. Hale, F.K. Padi, J.-M. Boffa, M. Barnor, P. Hendre and R. Jamnadass (2019) Toward the Genome-Enabled Improvement of Shea Tree for sub-Saharan Africa. Paper presented at the Plant and Animal Genome Conference XXVII, San Diego, CA, USA, Jan 12 – 16, 2019.
4. Diatta E., C. Diatta, M. Tuinstra, C. Weil, P. Tongoona, **A. Danquah**, E. Danquah and N. Cisse (2019) Development of sorghum varieties with improved nutritional qualities in Senegal. Paper presented at the Maiden International Conference of the African Plant Breeders Association, Accra, Ghana, Oct 23-25, 2019.
5. Kamanda I., E.T. Blay, I.K. Asante, **A. Danquah**, B.E. Ifie, E. Parkes, P. Kulakow, A. Conteh, A. Dixon, J.S. Kamara, J.B.A. Whyte and C. Egesi (2019) Genetic studies on mealiness, dry matter, root number and fresh root yield of cassava (*Manihot esculenta* Crantz) in Sierra Leone. Poster presented at the Maiden International Conference of the African Plant Breeders Association, Accra, Ghana, Oct 23-25, 2019.
6. Melomey L.D., **A. Danquah**, K. Ofori, E. Kotey, J.H.K. Bonney, S.K. Offei and E.Y. Danquah (2019) Screening and introgression of TYLCD resistance genes into locally adapted tomato (*Solanum lycoperiscum* L.) cultivars. Poster presented at the Maiden International Conference of the African Plant Breeders Association, Accra, Ghana, Oct 23-25, 2019.
7. Norman P.E., A. Asfaw, P.B. Tongoona, **A. Danquah**, E.Y. Danquah, A. Paterne and R. Asiedu (2019) Application of a mixed model with genomic relationship matrix and the multivariate techniques for analysis of agronomic and quality traits in white guinea yam (*Dioscorea rotundata* Poir.) Paper presented at the Maiden International Conference of the African Plant Breeders Association, Accra, Ghana, Oct 23-25, 2019.
8. Obeng-Bio E., B. Badu-Apraku, B.E. Ifie, **A. Danquah**, E.T. Blay and M.A. Dadzie (2019) Validation of provitamin A functional genes in early maturing provitamin A-quality protein maize (*Zea mays* L.) inbred lines. Poster presented at the Maiden International Conference of the African Plant Breeders Association, Accra, Ghana, Oct 23-25, 2019.

9. Osei M.K., **A. Danquah**, E. Danquah, M. Massoudi, D. Maxwell, H. Adu-Dapaah and E. Blay (2019) Validation of SNP marker linked to *alc* gene for long shelf life of tomato. Paper presented at the Maiden International Conference of the African Plant Breeders Association, Accra, Ghana, Oct 23-25, 2019.
10. Alidu, M.S., I.K. Asante, P. Tongoona, K. Ofori, **A. Danquah**, and F.K. Padi (2018) Farmers' perception of drought effects on cowpea and varietal preferences in Northern Ghana. Poster presented at the WACCI International Conference on Food and Nutrition Security in Africa, Accra, Ghana, Oct 3 – 4, 2018.
11. Barnor M.T., F.K. Padi, **A. Danquah**, D. Frederick, V. Agene and I. Hale (2018) Yield, and yield stability of selected shea trees at the Bole Sub-station of CRIG. Poster presented at the WACCI International Conference on Food and Nutrition Security in Africa, Accra, Ghana, Oct 3 – 4, 2018.
12. Boffa J.M., I. Hale, P. Lovett, C. Dembélé, F.K. Padi, P. Hendre, **A. Danquah**, A. Muchugi, and R. Jamnadass (2018) Improvement of the shea tree (*Vitellaria paradoxa*): challenges, risks, opportunities, demands, and steps taken to date. Poster presented at the WACCI International Conference on Food and Nutrition Security in Africa, Accra, Ghana, Oct 3 – 4, 2018.
13. Diatta E., C. Weil, M. Tuinstra, P.B. Tongoona, **A. Danquah**, E. Danquah and N. Cisse (2018) Identification of genomic loci controlling high protein digestibility in sorghum grain. Poster presented at the WACCI International Conference on Food and Nutrition Security in Africa, Accra, Ghana, Oct 3 – 4, 2018.
14. Hale I., F. Padi, J.M. Boffa, P. Hendre, **A. Danquah**, A. Muchugi and R. Jamnadass (2018) Have genome, will domesticate? Realizing the promise of genomic resources for practical shea tree improvement. Poster presented at the WACCI International Conference on Food and Nutrition Security in Africa, Accra, Ghana, Oct 3 – 4, 2018.
15. Kamanda I., E.T. Blay, I.K. Asante, **A. Danquah**, B. E. Ifie, E. Parkes, P. Kulakow, M. Abberton, A. Conteh, A. Dixon, and J.B.A. Whyte (2018) Diversity studies of provitamin A cassava (*Manihot esculenta* Crantz) in Sierra Leone. Paper presented at the WACCI International Conference on Food and Nutrition Security in Africa, Accra, Ghana, Oct 3 – 4, 2018.
16. Melomey L.D., **A. Danquah**, S.K. Offei, K. Ofori, E. Danquah (2018) Combining ability analysis for fruit quality and yield in tomato (*Solanum lycopersicum* L.) Paper presented at the WACCI International Conference on Food and Nutrition Security in Africa, Accra, Ghana, Oct 3 – 4, 2018.
17. Norman P.E., A. Asfaw, P.B. Tongoona, **A. Danquah**, E.Y. Danquah, A.P. Agre, A. Agbona and R. Asiedu (2018) Estimates of genetic components for growth, reproductive, yield and quality traits of Yam (*Dioscorea rotundata*). Poster presented at the WACCI International Conference on Food and Nutrition Security in Africa, Accra, Ghana, Oct 3 – 4, 2018.
18. Obeng-Bio E., B. Badu-Aprakua, E. Blay, **A. Danquah** and B.E. Ifie. (2018) Genetic analysis of grain yield and other traits of early maturing provitamin-a quality protein maize (QPM) inbred lines in contrasting environments. Poster

presentation at the WACCI International Conference on Food and Nutrition Security in Africa, Accra, Ghana, Oct 3 – 4, 2018.

19. Padi F.K., M.T. Barnor, J. Yeboah, M.A. Segbefia, W.E. Anyomi, **A. Danquah**, H. Prasad, J-M. Boffa and I. Hale (2018) Development of mapping populations and their characterization for adaptive trait improvement in shea. Poster presented at the WACCI International Conference on Food and Nutrition Security in Africa, Accra, Ghana, Oct 3 – 4, 2018.
20. **Danquah A**., P. Tongoona and E. Danquah (2017) Demand-led approaches in the tomato industry in Ghana: challenges and opportunities for breeding and crop improvement. Paper presented at the International Tropical Agriculture (TROPAG) conference, Brisbane, Australia, Nov 20 – 23, 2017.
21. Danquah E.Y., S.K. Offei, V.E. Gracen, D.K. Dzidzienyo, **A. Danquah**, P. Tongoona, B.E. Ifie, J.S.Y. Eleblu and R.M. Madakadze (2015) The West Africa Centre for Crop Improvement (WACCI), University of Ghana: An Emerging Centre of Excellence for Training Plant Breeders in Africa In in Africa. In: Internationalisation of Higher Education in Africa. Proceedings of COREVIP 2015. Association of African Universities ISBN 978-9988-589-52-2. Paper presented at the Conference of Rectors, Vice-Chancellors and Presidents of Africa Universities, Kigali, Rwanda, Jun 2 – 5, 2015.
22. Hale I., **A. Danquah**, R. Jamnadass, F. Padi, J.-M. Boffa, P. Hendre, A. Muchugi (2015) BREAD-ABRDC: Integrated resource development for the genome-enabled improvement of shea tree for sub-Saharan Africa. Poster presented at the BREAD annual awardee meeting, Arlington Virginia, USA, Nov 29 – Dec 2, 2015.
23. Zelicourt D., **A. Danquah**, M. Boudsocq, N.F.D. Frey, S. Pateyron, J. Colcombet and H. Hirt (2013) Identification and functional study of a novel MAPK module involved in ABA signaling. Poster presented at the SPS conference – Plant signaling in a changing environment, University of Evry – France, Jul 4 – 6, 2013.
24. **Danquah A**., A.D. Zelicourt, J. Colcombet and H. Hirt (2012) Identification and validation of key factors of stress tolerance in *Arabidopsis thaliana*. Poster presented at the 4th European Plant Science Retreat for PhD Students, John Innes Centre, Norwich UK, Aug 15 – 17, 2012.
25. **Danquah A**., A. Maeh, A.D. Zelicourt, N.F.D. Frey, S. Pateyron, J. Colcombet, J. Kudla and H. Hirt (2012) Identification and validation of key factors of stress tolerance in *Arabidopsis thaliana*. Poster presented at the 23rd International Conference on Arabidopsis Research Hofburg Imperial Palace, Vienna, Austria, Jul 3 – 7, 2012.
26. **Danquah A**., E.Y. Danquah, S.K. Offei, E.T. Blay, and E. Asare (2005) Morpho-agronomic characterization of a mutant population of cocoyam (*Xanthosoma sagittifolium* (L) Schott). Paper presented at the 24th Biennial Conference of the Ghana Science Association, Erata Hotel, Accra, Ghana, Aug 1 – 4, 2005.

OTHER ACADEMIC WORK/EXHIBITS

a. ***Edited book***

- Title: **'Recent advances in tomato breeding and production'**. Publisher-INTECH (Published: January 23, 2019, ISBN: 978-1-78985-034-5, Print ISBN: 978-1-78985-033-8, Copyright year: 2019)

b. ***Online resources***

- Demand-Led Breeding Product Profiles – A Practitioners' Guide: Overview. http://t.ly/EWum
- Demand-Led Breeding Product Profiles – A Practitioners' Guide: Creating product profile summaries. http://t.ly/qYHK