Andrews Danquah

Senior Lecturer · Molecular Biology & Biotechnology
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RESEARCH

Interests	Plant Physiology · Molecular Biology · Biotechnology · Microbiology · Biochemistry
Areas	Plant Science · Agronomy and Crop Science · Genetics · Soil Science · Animal Science and Zoology · Applied Microbiology and Biotechnology

RESEARCH SUMMARY

19	307	6	6	2.29	25%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 19 publications listed below, 2020–2026. Field-weighted impact is the mean over the 12 works scored for it; 1.00 is the world average for works of the same field, type and year. 3 of the 12 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer 2019–present
Molecular Biology and Biotechnology, University of Cape Coast, Cape Coast, Ghana

Lecturer 2019–present
Molecular Biology and Biotechnology, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

PhD 2019–present
Molecular Biology and Biotechnology, University of Cape Coast School of Biological Sciences, Cape Coast, Ghana

Lecturer 2019–present
Molecular Biology and Biotechnology, University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 19

1. Emmanuel Owusu Ansah, Emmanuel Boateng Agyenim, **Andrews Danquah**, Stephen Kumi Addo, Daniel Sakyi Agyirifo, Kwadwo Fosu, Foster Kyei (2026). Genetic Insights Into Hypertension and Breast Cancer Risk in African Women: A Mendelian Randomization and Colocalization Analyses. *Annals of Human Genetics*. https://doi.org/10.1111/ahg.70038
2. Jianbin Li, Rurou Long, Michael Ackah, Frank Kwarteng Amoako, **Andrews Danquah**, Meina Zhu, Hanfa Shahid, Carlos Kwesi Tettey, Owuraku Amponsah Abu, Xueying Jin, Mengdi Zhao, Weiguo Zhao (2026). Integrated transcriptomic and metabolomic profiling and functional characterization of the MaXTH23 gene in boron stress adaptation in mulberry (Morus alba L.). *Plant Physiology and Biochemistry*. https://doi.org/10.1016/j.plaphy.2026.111054
3. **Andrews Danquah** (2025). African Journal of Plant Science. *African Journal of Plant Science*. https://academicjournals.org/journal/AJPS/article-in-press-abstract/study_of_root_traits_of_chickpea_cicer_arietinum_l_under_drought_stress
4. Emmanuel Owusu Ansah, Foster Kyei, Caleb Frimpong Opoku, **Andrews Danquah**, Kwadwo Fosu,

Emmanuel Boateng Agyenim, Daniel Sakyi Agyirifo (2025). Associations Between Lipid Traits and Breast Cancer Risk: A Mendelian Randomization Study in African Women. *Cancer Medicine*. https://doi.org/10.1002/cam4.70928

5. **Andrews Danquah**, C Napo (2025). Differential effects of UVA, UVB, and PAR on photosynthetic efficiency in red algae: Gracilaria dentata, Hypnea musciformis and Centroceras clavulatum. *African Journal of Plant Science*. https://journal-backups.lon1.digitaloceanspaces.com/uploads/main/article/5f3cdd073086.pdf
6. Emmanuel Ogyiri Adu, Paul Agu Asare, Kingsley Joseph Taah, Godwin Amenorpe, **Andrews Danquah**, Aaron Tettey-Asare, Doris Mensah-Wonkyi, Asamoah Oppong Zadok, Kofi Afari, Joshua Yeboah Asiamah (2025). Evaluation of dry matter, mealiness and starch contents of yellow-flesh cassava (Manihot esculenta, Crantz) genotypes in Ghana. *Journal of Agricultural Food Science and Biotechnology*. https://doi.org/10.58985/jafsb.2025.v03i03.84
7. Emmanuel Plas Otwe, **Andrews Danquah**, Daniel Sakyi Agyirifo, Clement Napo (2025). The Effects of Change in Climatic Conditions on Agriculture in Ghana: A Review. *American Journal of Climatic Studies*. https://doi.org/10.47672/ajcs.2813
8. Benjamin O. Emikpe, Foster Kyei, **A Danquah**, M Teye (2022). Assessment of pig farmers' knowledge on influenza A virus, and adoption of biosecurity measures in areas with previous outbreak of avian influenza in the Greater Accra Region …. *PAMJ - One Health*. https://www.one-health.panafrican-med-journal.com/content/article/7/1/full/
9. Christian Adler Phares, Emmanuel Amoakwah, **Andrews Danquah**, Amankwah Afrifa, Lucy Richlove Beyaw, Kwame Agyei Frimpong (2022). Biochar and NPK fertilizer co-applied with plant growth promoting bacteria (PGPB) enhanced maize grain yield and nutrient use efficiency of inorganic fertilizer. *Journal of Agriculture and Food Research*. https://doi.org/10.1016/j.jafr.2022.100434
10. Salisu Shaban, Foster Kyei, Joseph Awuni, **Andrews Danquah**, Theophilus Odoom, Daniel Natasha Yaw Tawiah Yingar, Patrick Tetteh Ababio, Benjamin Obukowho Emikpe (2021). Dynamics of influenza A (avian influenza) virus in poultry in the Greater Accra region of Ghana amongst the production levels. *Journal of Immunoassay and Immunochemistry*. https://doi.org/10.1080/15321819.2021.1952426
11. Christian Adler Phares, Emmanuel Amoakwah, **Andrews Danquah**, Selorm Akaba, Kwame Agyei Frimpong, Theophilus Abonyi Mensah (2021). Improved soil physicochemical, biological properties and net income following the application of inorganic NPK fertilizer and biochar for maize production. *Acta Ecologica Sinica*. https://doi.org/10.1016/j.chnaes.2021.12.002
12. Latifatu Mohammed, Hu Mengyang, Hamenu Louis, Alfred Madzvamuse, Andrew Nyamful, David Dodoo-Arhin, **Andrews Danquah**, Odoi King Manteaw, Mohammed Nafiu Zainudeen, Samuel Agyekum Darkwa, Jeong Ho Park, Jang Myoun Ko (2021). Preparation of Vapor Grown Carbon Fiber/2-((4-dimethylamino) phenyl) amino) naphthalene-1, 4-dione Composites and their supercapacitor properties. *International Journal of Electrochemical Science*. https://doi.org/10.20964/2021.07.51
13. F Kyei, **A Danquah**, M Teye (2021). Research Article Is There Cross-Species Transmission to Pigs of Avian Influenza Virus Within Poultry Farms with Previous Outbreak of Avian Influenza? *African Journal of Biomedical Research*. https://www.researchgate.net/profile/Benjamin-Emikpe/publication/356475196_Is_There_Cross-Species_Transmission_to_Pigs_of_Avian_Influenza_Virus_Within_Poultry_Farms_with_Previous_Outbreak_of_Avian_Influenza/links/619d735207be5f31b7b2e78c/Is-There-Cross-Species-Transmission-to-Pigs-of-Avian-Influenza-Virus-Within-Poultry-Farms-with-Previous-Outbreak-of-Avian-Influenza.pdf
14. Isaac Tekper, Joseph Kwame Lewballah, James Kwasi Quaisie, Emmanuel Yeboah Osei, Emmanuel Asamoah, Philip Baidoo, **Andrews Danquah** (2020). An investigation into the comparisons of exhaust emissions through catalytic converters installed on a kia sportage lx (exhaust system). *International Journal of Scientific and Research Publications*. https://doi.org/10.29322/ijsrp.10.03.2020.p9908
15. Christian Adler Phares, **Andrews Danquah**, Kofi Atiah, Frimpong Kwame Agyei, Osei-Tutu Michael (2020). Antibiotics utilization and farmers' knowledge of its effects on soil ecosystem in the coastal drylands of Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0228777
16. Christian Adler Phares, Kofi Atiah, Kwame Agyei Frimpong, **Andrews Danquah**, Aaron T. Asare, Samira

Aggor-Woananu (2020). Application of biochar and inorganic phosphorus fertilizer influenced rhizosphere soil characteristics, nodule formation and phytoconstituents of cowpea grown on tropical soil. *Heliyon*. https://doi.org/10.1016/j.heliyon.2020.e05255

17. **Andrews Danquah** (2020). Dark red kidney bean (Phaseolus vulgaris L.) protein hydrolysates inhibit the growth of oxidizing substances in plain yogurt. *Journal of Agriculture and Food Research*. https://www.sciencedirect.com/science/article/pii/S2666154320300430

18. **A Danquah** (2020). Prevalence, incidence and severity of a new root rot disease of cowpea caused by Macrophomina phaseolina (Tassi) Goid in Northern Ghana. *West Afr J Appl Ecol*. https://www.ajol.info/index.php/wajae/article/download/202708/191190

19. JY Asiamah, F Kyei, Samuel Obeng Apori, **A Danquah** (2020). The Potential of Biodiversity Utilization and Sustainable Development in Ghana. *Journal of Sustainable Development in Africa*. https://openurl.ebsco.com/contentitem/gcd:144796137?sid=ebsco:plink:crawler-gcd&id=ebsco:gcd:144796137&crl=c&jrnl=15205509