Prof. Jones Abrefa Danquah

Senior Lecturer · Geography & Regional Planning
University of Cape Coast

ORCID 0000-0003-0892-1034 · Homepage ucc.edu.gh · Dr. Jones Abrefa Danquah directory.ucc.edu.gh/p/jones-abrefa-danquah · Google Scholar scholar.google.com/citations?user=z8IGiUIAAAAJ&hl=en · Profile scholar.ucc.edu.gh/staff/289a1212-ee61-4d23-a453-a15169799762

RESEARCH

Interests: Social Forestry · Forest Ecology · Tropical Silviculture · Agroforestry Systems · Forest Management

Areas: Global and Planetary Change · General Agricultural and Biological Sciences · Ecology · Economics and Econometrics · Pollution · Management, Monitoring, Policy and Law

RESEARCH SUMMARY

50	582	13	20	1.76	24%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 50 publications listed below, 2000–2026. Field-weighted impact is the mean over the 33 works scored for it; 1.00 is the world average for works of the same field, type and year. 8 of the 33 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer
Department of Geography and Regional Planning, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

Researcher 2008–2013
School of Forest Sciences, University of Esatern Finland, Joensuu, Finland

PUBLICATIONS

Journal articles 43

1. Emmanuel Yeboah Okyere, **Jones Abrefa Danquah**, John Abraham, Enock Aninakwah (2026). Anthropogenic and seasonal signatures of microfibre contamination in fish from two Ghanaian coastal lagoons. *Aquatic Ecology*. https://doi.org/10.1007/s10452-026-10319-w
2. Dickson Kudzo Mortson, **Jones Abrefa Danquah**, John Abraham, Dastan Bamwesigye, Obed Asamoah (2026). Communities dependence on non-timber forest products in Kalakpa resource reserve of Ghana. *Discover Sustainability*. https://doi.org/10.1007/s43621-026-02907-5
3. Emmanuel Yeboah Okyere, **Jones Abrefa Danquah**, John Abraham (2026). Ecological risk and environmental implications of microfibre pollution in tropical coastal wetlands of Ghana. *Journal of Hazardous Materials Advances*. https://doi.org/10.1016/j.hazadv.2026.101513
4. Rachel Olawoyin, George Owusu Amoah, **Jones Abrefa Danquah** (2026). Remote sensing-based assessment of evapotranspiration and crop water stress in the Volta Basin, 2000–2023. *H2Open Journal*. https://doi.org/10.1016/j.htopen.2026.100024
5. Bright Danso Appiagyei, Latifa Belhoucine-Guezouli, Boutkhil Morsli, Enoch Bessah, **Jones Abrefa Danquah**, Emmanuel Kumi (2026). The Effects of Recurrent Fires on Species Composition and Aboveground Biomass in a Mediterranean Oak (Quercus Suber L.) Forest in North-West Algeria. *Journal of Sustainable Forestry*. https://doi.org/10.1080/10549811.2026.2716879

6. Obed Asamoah, **Jones Abrefa Danquah**, Dastan Bamwesigye, Scholastica Akalibey, Mark Appiah, Ari Pappinen (2025). A systematic review of the potential of non-timber forest products to alleviate poverty. *Ecological Frontiers*. https://doi.org/10.1016/j.ecofro.2025.05.002

7. John Amoah-Nuamah, Brian Child, Emmanuel Yeboah Okyere, Osman Adams, **Jones Abrefa Danquah** (2025). Applications of artificial intelligence in forest health surveillance and management. *Discover Forests*. https://doi.org/10.1007/s44415-025-00061-w

8. Emmanuel Yeboah Okyere, Michael K Miyittah, **Jones Abrefa Danquah** (2025). Assessing the global landscape of microfibre pollution: a systematic review. *Aquatic Ecology*. https://doi.org/10.1007/s10452-025-10199-6

9. Babatondé Innocent Kochoni, Kolawolé Valère Salako, **Jones Abrefa Danquah**, Corine Bitossessi Laurenda Sinsin, Sylvanus Mensah, Romain Glèlè Kakaï (2025). Contribution of the Ramsar convention to the conservation of West-African mangroves: a case study in Benin. *Wetlands Ecology and Management*. https://doi.org/10.1007/s11273-024-10026-z

10. Babatondé Innocent Kochoni, Kolawolé Valère Salako, Kangbéni Dimobe, Gafarou Agounde, Mahoutin G. Serge Zanvo, **Jones Abrefa Danquah**, Romain Glèlè Kakaï (2025). Impact of Anthropogenic Activities and Climate Change on Carbon Stock in a West-African Mangrove. *Wetlands*. https://doi.org/10.1007/s13157-025-01932-w

11. Emmanuel Yeboah Okyere, **Jones Abrefa Danquah**, Michael K. Miyittah, John Amoah-Nuamah (2025). Tackling microfibre pollution: a review of policy responses and circular economy innovations in textile sustainability. *Waste Management Bulletin*. https://doi.org/10.1016/j.wmb.2025.100253

12. Obed Asamoah, **Jones Abrefa Danquah**, Dastan Bamwesigye, Mark Appiah, Ari Pappinen (2024). Assessing the Influence of Social Factors on Local Perceptions of Climate Change, Product Value Addition, Multiple Uses of NTFPs, and Their Influence on Poverty Alleviation in Ghana. *Forests*. https://doi.org/10.3390/f15020248

13. Abigail Nana Ama Baidoo, **Jones Abrefa Danquah**, Edward Kweku Nunoo, Simon Mariwah, Georgina Nyarko Boampong, Eric Twum, Emmanuel Amankwah, Johnie Kodjoe Nyametso (2024). Households' energy conservation and efficiency awareness practices in the Cape Coast Metropolis of Ghana. *Discover Sustainability*. https://doi.org/10.1007/s43621-023-00154-6

14. Vithundwa Richard Posite, Mohamed Saber, Bayongwa Samuel Ahana, Cherifa Abdelbaki, Enoch Bessah, Bright Danso Appiagyei, Djessy Karl Maouly, **Jones Abrefa Danquah** (2024). Modeling Spatio-Temporal Rainfall Distribution in Beni–Irumu, Democratic Republic of Congo: Insights from CHIRPS and CMIP6 under the SSP5-8.5 Scenario. *Remote Sensing*. https://doi.org/10.3390/rs16152819

15. Obed Asamoah, **Jones Abrefa Danquah**, Dastan Bamwesigye, Emmanuel Amoah Boakye, Mark Appiah, Ari Pappinen (2024). Perception of Locals on Multiple Contributions of NTFPs to the Livelihoods of Forest Fringe Communities in Ghana. *Forests*. https://doi.org/10.3390/f15050861

16. **Jones Abrefa Danquah**, Ari Pappinen, Frank Berninger (2023). Determinants of tree planting and retention behaviour of homeowners in built-up urban areas of Ghana. *Trees Forests and People*. https://doi.org/10.1016/j.tfp.2023.100410

17. Obed Asamoah, **Jones Abrefa Danquah**, Dastan Bamwesigye, Nahanga Verter, Emmanuel Acheampong, Charles Mario Boateng, Suvi Kuittinen, Ari Pappinen (2023). Perceptions of commercialisation and value-addition of non-timber forest products in forest adjacent communities in Ghana. *Discover Sustainability*. https://doi.org/10.1007/s43621-023-00146-6

18. Obed Asamoah, **Jones Abrefa Danquah**, Dastan Bamwesigye, Nahanga Verter, Emmanuel Acheampong, Colin J. Macgregor, Charles Mario Boateng, Suvi Kuittinen, Mark Appiah, Ari Pappinen (2023). The perception of the locals on the impact of climate variability on non-timber forest products in Ghana. *Ecological Frontiers*. https://doi.org/10.1016/j.chnaes.2023.07.004

19. **Jones Abrefa Danquah** (2022). Perceptions of landlords to trees in built-up urban areas in Ghana. *Arboricultural Journal*. https://doi.org/10.1080/03071375.2022.2129195

20. **Jones Abrefa Danquah**, Charity Odumale Roberts, Mark Appiah (2021). Effects of Decline in Fish Landings on the Livelihoods of Coastal Communities in Central Region of Ghana. *Coastal Management*.

https://doi.org/10.1080/08920753.2021.1967562

21. Obed Asamoah, Suvi Kuittinen, **Jones Abrefa Danquah**, Ebo Tawiah Quartey, Dastan Bamwesigye, Charles Mario Boateng, Ari Pappinen (2020). Assessing Wood Waste by Timber Industry as a Contributing Factor to Deforestation in Ghana. *Forests*. https://doi.org/10.3390/f11090939
22. Mark Appiah, Badu Yeboah, Mary Agyemang Yeboah, **Jones Abrefa Danquah** (2020). Community Experiences in the use of Modified Taungya System for Restoring Degraded Forests and Improving Livelihoods in Ghana. *Environmental Management and Sustainable Development*. https://doi.org/10.5296/emsd.v9i3.17047
23. **Jones Abrefa Danquah**, Mark Appiah, Adam Osman, Ari Pappinen (2020). Geographic Distribution of Global Economic Important Mahogany Complex: A Review. *Annual Research & Review in Biology*. https://doi.org/10.9734/arrb/2019/v34i330154
24. **Jones Abrefa Danquah**, Robert Kwame Ahiadzo, Mark Appiah, Charity Odumale Roberts, Ari Pappinen (2019). Assessing Smallholder Farmers' Understanding of Environmental Effects of Modern Agronomic Practices in Ghana. *Journal of Experimental Agriculture International*. https://doi.org/10.9734/jeai/2019/45199
25. **Jones Abrefa Danquah**, Charity Odumale Roberts, Mark Appiah (2018). Elephant Grass (Pennisetum purpureum): A Potential Source of Biomass for Power Generation in Ghana. *Current Journal of Applied Science and Technology*. https://doi.org/10.9734/cjast/2018/45224
26. **Jones Abrefa Danquah** (2018). Elephant Grass (Pennissetum purpureum): A Potential Source of Biomass for Power Generation in Ghana. *Current Journal of Applied Science and Technology*. https://www.researchgate.net/profile/Mark-Appiah/publication/329438783_Elephant_Grass_Pennisetum_purpureum_A_Potential_Source_of_Biomass_for_Power_Generation_in_Ghana/links/5c08cd1792851c39ebd62ad1/Elephant-Grass-Pennisetum-purpureum-A-Potential-Source-of-Biomass-for-Power-Generation-in-Ghana.pdf
27. **Jones Abrefa Danquah** (2015). Analysis of factors influencing farmers' voluntary participation in reforestation programme in Ghana. *Forests Trees and Livelihoods*. https://doi.org/10.1080/14728028.2015.1025862
28. **Jones Danquah**, John Kuwornu (2015). Assessment of Farm Households' Willingness to Participate in Reforestation Projects in Ghana: Implications for Policy. *Journal of Experimental Agriculture International*. https://doi.org/10.9734/ajea/2015/16348
29. **Jones Danquah**, John Kuwornu, Richard Baffoe-Asare, Festus Annor-Frempong, Chao Zhang (2014). Smallholder Farmers' Preferences for Improved Cocoa Technologies in Ghana. *British Journal of Applied Science & Technology*. https://doi.org/10.9734/bjast/2015/12911
30. **J A Danquah** (2014). Tree species diversity in a post-bushfire disturbed dry semi-deciduous forest: Implications to restoration ecology. *International Journal of Advanced Biological Research*.
31. **Jones Abrefa Danquah**, Ari Pappinen . (2013). Analyses of Socioeconomic Factors influencing on-farm Conservation of Remnant Forest Tree Species: Evidence from Ghana. *Journal of Economics and Behavioral Studies*. https://doi.org/10.22610/jebs.v5i9.433
32. **Jones Abrefa Danquah** (2013). Green spaces considered natural remnants in urban environments play a key role in promoting environmental quality and forming a sustainable city. Nowadays, development of urban …. *Environment, Development and Sustainability*.
33. Richard Baffoe-Asare, **Danquah, Jones Abrefa**, Annor-Frempong, Festus (2013). Socioeconomic Factors Influencing Adoption of Codapec and Cocoa High-tech Technologies among Small Holder Farmers in Central Region of Ghana. *Journal of Experimental Agriculture International*. https://doi.org/10.9734/ajea/2013/1969
34. **Jones Abrefa Danquah**, Daniel Bruce Sarpong, Ari Pappinen (2012). Causal relationships between African mahoganies exports and deforestation in Ghana: policy implications. *Environment Development and Sustainability*. https://doi.org/10.1007/s10668-012-9373-5
35. **Jones Abrefa Danquah** (2012). Restoration of degraded dry semideciduous forest ecosystems in Ghana: Effects of African mahogany species on soil chemistry, tree diversity and the application of leaf ….

Dissertationes Forestales. https://www.researchgate.net/profile/Ari-Pappinen/publication/287422988_Enrichment_planting_of_African_mahoganies_in_fire-degraded_dry_semi-deciduous_forests_in_Ghana_The_effect_of_the_stand_structure_and_species_numbers_on_recruitment/links/5965dd4aaca27227d78fa4e9/Enrichment-planting-of-African-mahoganies-in-fire-degraded-dry-semi-deciduous-forests-in-Ghana-The-effect-of-the-stand-structure-and-species-numbers-on-recruitment.pdf

36. **Jones Abrefa Danquah**, K Ofori (2012). Variation and correlation among agronomic traits in 10 accessions of garden eggplant (Solanum gilo Raddi) in Ghana. *International journal of science and nature*. https://scholar.google.com/scholar?cluster=14834223246742003999&hl=en&oi=scholarr

37. **Jones Abrefa Danquah** (2011). Comparison of post-fire planted and natural dry semi-deciduous forest communities in Ghana. *African Journal of Agricultural Research*. https://researchportal.helsinki.fi/files/63646735/F85664437806.pdf

38. **Jones Abrefa Danquah** (2011). Eco-geographic variation in leaf morphology of African Mahogany (Khaya anthotheca and Khaya ivorensis) provenances in Ghana. *European Journal of Scientific Research*. https://www.academia.edu/download/40060052/Eco-geographic_Variation_in_Leaf_Morphol20151116-18533-1sdpsoc.pdf

39. **Jones Abrefa Danquah** (2011). Enrichment Planting of African Mahoganies in Fire-Degraded Dry Semi-Deciduous Forests in Ghana: The Effect of the Stand Structure and Species Numbers on Recruitment. *European Journal of Scientific Research*.

40. **Jones Abrefa Danquah** (2011). Leaf morphometric variation in two species of African Mahoganies: Khaya ivorensis and Khaya anthotheca (Meliaceae). *European Journal of Scientific Research*. https://www.researchgate.net/profile/Ari-Pappinen/publication/286597440_Leaf_morphometric_variation_in_two_species_of_African_mahoganies_Khaya_ivorensis_and_khaya_anthotheca_meliaceae/links/5965e9240f7e9b2a3681b6fc/Leaf-morphometric-variation-in-two-species-of-African-mahoganies-Khaya-ivorensis-and-khaya-anthotheca-meliaceae.pdf

41. **JA Danquah** (2011). Population structure of African Mahoganies in four forest reserves: Implications for conservation and management in Ghana. *Journal of Basic and Applied Scientific Research*. https://scholar.google.com/scholar?cluster=4151801619386785317&hl=en&oi=scholarr

42. **Jones Abrefa Danquah** (2010). Phenotypic plasticity of leaf length to an environmental gradient in Khaya ivorensis (Meliaceae) populations in Ghana. *African Journal of Environmental Science and Technology*. https://www.ajol.info/index.php/ajest/article/download/71362/60313

43. **JA Danquah** (2009). Mitigating Global Climatic Change through The Use Of Green Building Materials. *National Housing Conference Proceedings at STEPRI. CSIR*. https://scholar.google.com/scholar?cluster=7204532803728143976&hl=en&oi=scholarr

Book chapters 2

1. Hillary Dumba, **Jones Abrefa Danquah**, Ari Pappinen (2021). Rural Farmers' Approach to Drought Adaptation: Lessons from Crop Farmers in Ghana. https://doi.org/10.1007/978-3-030-45106-6_29

2. Hillary Dumba, **Jones Abrefa Danquah**, Ari Pappinen (2020). Rural Farmers' Approach to Drought Adaptation: Lessons from Crop Farmers in Ghana. https://doi.org/10.1007/978-3-030-42091-8_29-1

Reports 3

1. **J. A. Danquah** (2016). Policies, legislation, regulations, mobilisation and allocation of resources in disaster risk reduction:In UNDP/NADMO (manual) Mainstreaming Disaster Risk Reduction-A Short …. *UNDP and NADMO*.

2. **J. A.Danquah** (2016). Stakeholder Analysis. In UNDP/NADMO (manual) Mainstreaming Disaster Risk Reduction-A Short Course for Practitioners in Ghana. *UNDP and NADMO*.

3. **Jones Abrefa Danquah** (2012). Effect of African mahogany species on soil chemical properties in degraded dry semi-deciduous forest ecosystems in Ghana. *University of Cape Coast*. https://www.researchgate.net/profile/Jones-Danquah-2/publication/283547868_Effect_of_African_Mahogany_Species_on_Soil_Chemical_Properties_in_Degraded_Dry_Semi

-deciduous_Forest_Ecosystems_in_Ghana/links/5657390208ae1ef9297ba351/Effect-of-African-Mahogany-Species-on-Soil-Chemical-Properties-in-Degraded-Dry-Semi-deciduous-Forest-Ecosystems-in-Ghana.pdf

Theses 2

1. **Jones Abrefa Danquah** (2004). Assessment of Incentives for In-situ Conservation of African Leafy Vegetables Genetic Resources in Western Kenya. *Unpublished Msc Dissertation*. https://scholar.google.com/scholar?cluster=3371120357515271110&hl=en&oi=scholarr
2. **JA Danquah** (2000). Variation and correlation among agronomic traits in garden egg (Solanum gilo Raddi). *B. Sc. Dissertation. Department of Crop Science, College of Agriculture and Consumer sciences, University of Ghana Legon-Accra, Ghana*. https://scholar.google.com/scholar?cluster=2716222319782884215&hl=en&oi=scholarr