Bertrand Festus Nero

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RESEARCH

Interests	Urban ecology · climate change mitigation and adaptation · ecosystem restoration and rehabilitation
Areas	Global and Planetary Change · Health, Toxicology and Mutagenesis · Nature and Landscape Conservation · Environmental Engineering · Plant Science · Forestry

RESEARCH SUMMARY

29	526	12	12	10.42	37%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 29 publications listed below, 2009–2026. Field-weighted impact is the mean over the 19 works scored for it; 1.00 is the world average for works of the same field, type and year. 7 of the 19 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 22

1. **BF Nero**, M Asuenabisa (2026). Effects of thinning on growth performance of teak (Tectona grandis) plantations in Tain II Forest Reserve, Ghana (vol 85, pg 174, 2023). *SOUTHERN FORESTS-A JOURNAL OF FOREST SCIENCE*. https://scholar.google.com/scholar?cluster=12827252791759663819&hl=en&oi=scholarr
2. **Bertrand F. Nero** (2025). Eucalyptus pellita Plantations May Alter Soil Physicochemical Properties in the Dry Semideciduous Forest Zone in Ghana. *Applied and Environmental Soil Science*. https://doi.org/10.1155/aess/9966126
3. **Bertrand Festus Nero**, Richard Kojo Boateng-Boye, Alexander Amoako (2025). Teak (Tectona grandis) Plantations Growth Response to N-P-K Fertilizer and Thinning in Tain II Forest Reserve, Ghana. *International Journal of Forestry Research*. https://doi.org/10.1155/ijfr/2723959
4. Akim Oladokoun, Fousséni Folega, **Bertrand Nero**, Djibril Konate, Madjouma Kanda, Kpérkouma Wala, Komlan Batawila (2025). Urban biodiversity, ecosystem services and the effects of climate change in urban environments: a bibliometric review. *Geoinformatica Polonica*. https://doi.org/10.4467/21995923gp.25.006.22861
5. Reginald T. Guuroh, **Bertrand F. Nero**, Fousseni Folega, Kwame A. Oduro, Fred Kalanzi, Gloria K. Adeyiga, Adu-Gyamfi Asamoah, Mark Appiah, Miracle Obeng, E. Amponsah (2025). Woody and Herbaceous Species Diversity Respond Differently to Environmental Variables in Semiarid Areas in Ghana. *Ecology and Evolution*. https://doi.org/10.1002/ece3.71253
6. **B.F. Nero**, E.D. Kuusaana, A. Ahmed, B.B. Campion (2024). Carbon storage and tree species diversity of urban parks in Kumasi, Ghana. *City and Environment Interactions*. https://doi.org/10.1016/j.cacint.2024.100156
7. Benjamin Betey Campion, **Bertrand Festus Nero**, Esinam Attipoe (2024). We have the laws but how is our environment? The disconnect between Ghana's environmental commitments and institutional capacity to manage urban floods and wetlands. *Wetlands Ecology and Management*. https://doi.org/10.1007/s11273-024-09986-z

8. **Bertrand Festus Nero**, Maxwell Asuenabisa (2023). Effects of thinning on growth performance of teak (Tectona grandis) plantations in Tain II Forest Reserve, Ghana. *Southern Forests a Journal of Forest Science*. https://doi.org/10.2989/20702620.2023.2257657
9. **Bertrand F. Nero**, Bernard A. Nyanzu, Benjamin B. Campion (2023). Mine Wastewater Treatment Using Cassia fistula Plant Parts as Bio-coagulants. *Water Conservation Science and Engineering*. https://doi.org/10.1007/s41101-023-00178-z
10. **Bertrand F. Nero**, Reginald T. Guuroh (2023). Potential toxic elements accumulation in soils and parts of palm (Elaeis guineensis) growing on reclaimed tailings and mined spoils in southwestern Ghana. *Environmental Monitoring and Assessment*. https://doi.org/10.1007/s10661-023-12015-w
11. **BF Nero** (2023). Urban forests: A perspective from sub-Saharan Africa. *Urban forests*. https://research-repository.st-andrews.ac.uk/bitstream/handle/10023/28589/Thorn_2023_FAO_Urbanforests_CCBYNCSA.pdf?sequence=1
12. **Bertrand Festus Nero**, Justice Opoku (2022). Topography alters stand structure, carbon stocks and understorey species composition of Cedrela odorata plantation, in a semi-deciduous forest zone, Ghana. *Trees Forests and People*. https://doi.org/10.1016/j.tfp.2022.100352
13. **Bertrand Festus Nero** (2021). Structure, composition and diversity of restored forest ecosystems on mine-spoils in South-Western Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0252371
14. **BF Nero** (2020). Increasing urbanisation and the role of green spaces in urban climate resilience in Africa. *Climate and Culture*. https://library.oapen.org/bitstream/handle/20.500.12657/53804/9789004410848.pdf?sequence=1#page=286
15. **Bertrand Festus Nero** (2020). Phytoremediation of petroleum hydrocarbon-contaminated soils with two plant species: Jatropha curcas and Vetiveria zizanioides at Ghana Manganese Company Ltd. *International Journal of Phytoremediation*. https://doi.org/10.1080/15226514.2020.1803204
16. **Bertrand Festus Nero** (2019). Woody species and trait diversity-functional relations of green spaces in Kumasi, Ghana. *Urban Ecosystems*. https://doi.org/10.1007/s11252-019-00835-z
17. **Bertrand Festus Nero**, Daniel Callo-Concha, Manfred Denich (2018). Structure, Diversity, and Carbon Stocks of the Tree Community of Kumasi, Ghana. *Forests*. https://doi.org/10.3390/f9090519
18. **Bertrand F. Nero**, Nana Afranaa Kwapong, Raymond Jatta, Oluwole Fatunbi (2018). Tree Species Diversity and Socioeconomic Perspectives of the Urban (Food) Forest of Accra, Ghana. *Sustainability*. https://doi.org/10.3390/su10103417
19. **Bertrand F. Nero**, Alexander K. Anning (2018). Variations in soil characteristics among urban green spaces in Kumasi, Ghana. *Environmental Earth Sciences*. https://doi.org/10.1007/s12665-018-7441-3
20. **BF Nero** (2017). Urban green space dynamics and socio-environmental inequity: Multi-resolution and spatiotemporal data analysis of Kumasi, Ghana. *International Journal of Remote Sensing*. https://doi.org/10.1080/01431161.2017.1370152
21. **B Nero** (2016). Urban green space dynamics and distributional equity in Kumasi, Ghana. *Eur. Sp. Agency, (Special Publ. ESA SP, vol. SP-740, no*. https://www.researchgate.net/profile/Bertrand-Nero/publication/307509438_URBAN_GREEN_SPACE_DYNAMICS_AND_DISTRIBUTIONAL_EQUITY_IN_KUMASI_GHANA/links/57f7731008ae91deaa6046c5/URBAN-GREEN-SPACE-DYNAMICS-AND-DISTRIBUTIONAL-EQUITY-IN-KUMASI-GHANA.pdf
22. **BF Nero** (2010). Carbon sequestration resulting from bottomland hardwood afforestation in the Lower Mississippi Alluvial Valley. *Southern Silvicultural Research Conference*. http://www.srs.fs.usda.gov/pubs/gtr/gtr_srs121/gtr_srs121.pdf#page=23

Books 1

1. Thorn, Jessica, **Nero, Bertrand F.**, Likongwe, Patrick, Nyirambangutse, Brigitte, Shackleton, Charlie (2023). Urban forests: a global perspective. *FAO eBooks*. https://doi.org/10.4060/cc8216en

Conference papers 2

1. **Bertrand F. Nero**, Benjamin B. Campion, Nelson Agbo, Daniel Callo-Concha, Manfred Denich (2017). Tree and Trait Diversity, Species Coexistence, and Diversity-functional Relations of Green Spaces in Kumasi, Ghana. *Procedia Engineering*. https://doi.org/10.1016/j.proeng.2017.07.164
2. **Bertrand F. Nero**, Daniel Callo-Concha, Alexander Anning, Manfred Denich (2017). Urban Green Spaces Enhance Climate Change Mitigation in Cities of the Global South: The Case of Kumasi, Ghana. *Procedia Engineering*. https://doi.org/10.1016/j.proeng.2017.07.074

Reports 1

1. **BF Nero** (2017). Urban green spaces enhance carbon sequestration and conserve biodiversity in cities of the Global South case of Kumasi. *Ghana*. https://scholar.google.com/scholar?cluster=12233589094783568025&hl=en&oi=scholarr

Theses 3

1. **BF Nero** (2017). Urban green spaces enhance carbon sequestration and conserve biodiversity in cities of the Global South. *Universitäts-und Landesbibliothek Bonn*. https://bonndoc.ulb.uni-bonn.de/xmlui/handle/20.500.11811/7002
2. **BF Nero** (2016). Urban green spaces enhance carbon sequestration and conserve biodiversity in the global south-case of Kumasi, Ghana. *Doctoral Thesis at Faculty of Agriculture, University of Bonn*. https://scholar.google.com/scholar?cluster=15670078416304602 42&hl=en&oi=scholarr
3. **BF Nero** (2009). Carbon sequestration resulting from bottomland hardwood afforestation in the Lower Mississippi Alluvial Valley (LMAV). *Mississippi State University*. https://search.proquest.com/openview/f89e8b6621d128cecf236d4427f5ab39/1?pq-origsite=gscholar&cbl=18750