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RESEARCH

Interests	Soil and Water Conservation
Areas	Soil Science · Plant Science · Agronomy and Crop Science · Genetics · Animal Science and Zoology · Ecology

RESEARCH SUMMARY

26	185	7	6	2.33	30%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 26 publications listed below, 2000–2026. Field-weighted impact is the mean over the 10 works scored for it; 1.00 is the world average for works of the same field, type and year. 3 of the 10 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 22

1. Kwame Agyei Frimpong, Agnes Naa Abeley Abbey, **Edward Akwasi Ampofo**, Fatimah Von Abubakari, Ebenezer Manso, Flavio Odoi-Yorke, Ransford Opoku Darko (2026). Evaluating the socio-economic impacts of biochar initiatives on sustainable livelihoods among smallholder farmers. *Discover Agriculture*. https://doi.org/10.1007/s44279-026-00633-0
2. Agnes Naa Abeley Abbey, Kwame Agyei Frimpong, **Edward Akwasi Ampofo**, Kofi Atiah, Emmanuel Hanyabui, Flavio Odoi-Yorke, Ransford Opoku Darko (2026). Integrating biochar, NPK and green mucuna for sustainable soil fertility and yield optimization in sweet potato production. *Agroforestry Systems*. https://doi.org/10.1007/s10457-026-01434-6
3. Agnes Naa Abeley Abbey, Kwame Agyei Frimpong, Flavio Odoi-Yorke, **Edward Akwasi Ampofo**, Ransford Opoku Darko (2025). A review of biochar's sustainability in climate-smart agriculture: Recent advances, emerging trends, and future directions. *European Journal of Agronomy*. https://doi.org/10.1016/j.eja.2025.127690
4. **EA Ampofo** (2025). Can soil amendment with or without fertiliser benefit the soil and upland rice? *West African Journal of Applied Ecology*. https://www.ajol.info/index.php/wajae/article/view/298331
5. Paul K. Essandoh, **Edward A. Ampofo**, Daniel Okae-Anti, Isaac M. Bryant (2019). Comparison of Flora of Small-Scale Mined and Unmined-Sites in Dunkwa-East Municipality, Ghana. *Environment and Natural Resources Research*. https://doi.org/10.5539/enrr.v9n3p86
6. Blankson D., Asare-Bediako E., A. Frimpong K., **Ampofo E.**, J. Taah K., C. Van der Puije G. (2018). Incidence and severity of maize streak disease: The influence of tillage, fertilizer application and maize variety. *African Journal of Agricultural Research*. https://doi.org/10.5897/ajar2017.12873
7. **Edward A. Ampofo** (2018). Influence of Organic Mulches on Soil Physico-Chemical Properties and Maize (Zea Mays L.) Crop Performance. *Journal of Agricultural Studies*. https://doi.org/10.5296/jas.v6i2.12771
8. **Edward A. Ampofo** (2018). Response of maize (Zea maysL.) to intermittent water application under tropical savanna condition. *ARPN Journal of Agricultural and Biological Science*.
9. **Edward A Ampofo** (2018). The level of heavy metal pollution in the soil as affected by wastes from pig production in Assin South District, Ghana. *Journal of Natural Sciences Research*. https://ir.ucc.edu.gh/

items/dfce69e8-1041-4f8c-91e8-c444c6b29eab

10. Elliott Ronald Dossou-Yovo, Nicolas Brüggemann, **Edward Ampofo**, Attanda Mouinou Igue, Naab Jesse, Joël Huat, Euloge Kossi Agbossou (2016). Combining no-tillage, rice straw mulch and nitrogen fertilizer application to increase the soil carbon balance of upland rice field in northern Benin. *Soil and Tillage Research*. https://doi.org/10.1016/j.still.2016.05.019
11. **E Ampofo** (2016). Tillage, rice straw mulch and nitrogen fertilization effects on upland rice yield in Northern Benin. *Journal of Natural Sciences Research*. https://scholar.google.com/scholar?cluster=9488904528765049364&hl=en&oi=scholarr
12. **EA Ampofo** (2014). 5. A Theoretical Study of Subsurface Drainage Model Simulation of Drainage Flow and Leaching in Salt Affected Irrigated Fields. *West African Journal of Applied Ecology*. https://journals.ug.edu.gh/index.php/wajae/article/view/892
13. **EA Ampofo** (2014). Numerical modelling in improving subsurface drainage system for salt concentration control. *ARPN Journal of Engineering and Applied Sciences*.
14. KA Frimpong, EKA Afrifa, **EA Ampofo** (2014). Plant litter turnover, soil chemical and physical properties in a Ghanaian gold-mined soil revegetated with Acacia species. *International Journal of Environmental Sciences*. https://indianjournals.com/article/ijes-4-5-046
15. KA Frimpong, EKA Afrifa, **EA Ampofo** (2014). Research article ISSN 0976–4402. *INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCES*. https://ir.ucc.edu.gh/server/api/core/bitstreams/7ad4d186-47d3-480b-85a3-2f5e9741ab6c/content
16. **EA Ampofo** (2007). Assessing earthworm contribution to soil fertility in the coastal savanna region of Ghana. *West African Journal of Applied Ecology*. https://www.africabib.org/rec.php?RID=Q00047345
17. **E. A. AMPOFO** (2006). Soil moisture dynamics in coastal savanna soils in the tropics under different soil management practices. *Hydrological Sciences Journal*. https://doi.org/10.1623/hysj.51.6.1194
18. **EA Ampofo** (2003). 'Tapak-tapak' pump: Water lifting device for small scale irrigation and rural water supply. *AMA, Agricultural Mechanization in asia, Africa and Latin America*.
19. **EA Ampofo** (2003). Hazard assessment of tractor operators engaged in food production in Botswana. *Food, Agriculture & Environment*. https://doi.org/10.5555/20043043692
20. **E. A. AMPOFO**, R. K. MUNI, M. BONSU (2002). Estimation of soil losses within plots as affected by different agricultural land management. *Hydrological Sciences Journal*. https://doi.org/10.1080/02626660209493003
21. **EA Ampofo** (2001). An assessment of sediment loading into an agricultural reservoir in a semi-arid region of Kenya. *West African Journal of Applied Ecology*. https://www.ajol.info/index.php/wajae/article/view/45561/29044
22. O Baffour-Awuah, **E Ampofo**, R Dodoo (2000). Predicting the liveweight of sheep by using linear body measurements. *Ghana Journal of Agricultural Science*. https://doi.org/10.4314/gjas.v33i2.1872

Reports 3

1. **EA Ampofo** (2017). Heavy metal (Cu, Fe and Zn) pollution in soils: pig waste contribution in the Central Region of Ghana. *University of Cape Coast*. https://ir.ucc.edu.gh/items/23ff1258-1263-4ec3-b8ce-d200e78a65c0
2. **Edward A Ampofo** (2017). Improving soil physico-chemical properties and maize (Zea mays) performance under coastal savanna condition with different organic mulches. *University of Cape Coast*. https://ir.ucc.edu.gh/server/api/core/bitstreams/989ca782-440a-4263-8f65-a86b759eecb7/content
3. **Edward A Ampofo** (2017). Maize (zea mays L) Response to Intermittent Water Application under Tropical Coastal Savanna Condition. *University of Cape Coast*. https://ir.ucc.edu.gh/server/api/core/bitstreams/aeb3d978-94c2-45f4-b40f-c2234bbb3e51/content

Theses 1

1. **Edward Akwasi Ampofo** (2009). The use of numerical groundwater model to improve effectiveness of subsurface drainage system in irrigated field. *University of Southampton*. https://eprints.soton.ac.uk/146869/1/Ampophothesis.pdf