Dr. Laura Atuah

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PROFILE

I am a lecturer and a researcher

RESEARCH

Interests	Organic Amendments. horticulture · Soil remediation & landscaping
Areas	Plant Science · Horticulture · Soil Science · Food Science · General Agricultural and Biological Sciences · Environmental Engineering

RESEARCH SUMMARY

27	210	7	5	2.00	15%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 27 publications listed below, 2000–2026. Field-weighted impact is the mean over the 20 works scored for it; 1.00 is the world average for works of the same field, type and year. 3 of the 20 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 25

1. **L Atuah**, I Idun (2026). Assessing the influence of laterite soil mining on land use and land cover change in sub-Saharan Africa: The case of northern Ghana. *Sustinere: Journal of Environment and Sustainability*. https://sustinerejes.com/index.php/a/article/view/590
2. Dadson Awunyo-Vitor, Andrew Daymond, Amos Quaye, Godfred Kweku Awudzi, **Laura Atuah**, Lumbani Mwafulirwa, John Hammond, Chris Turnbull, Fiona Lahive, Sean Coole, Steve Robinson, Paul Hadley, Tom Sizmur (2026). Limited awareness prevents the use of compost and biochar as soil amendments by Ghanaian cocoa farmers. *Discover Agriculture*. https://doi.org/10.1007/s44279-026-00754-6
3. Benjamin Amedi Afful, Patrick Enchill, Michael Osei, Samuel Twum Adjei, **Laura Atuah**, Vincent Logah, Mauro Lo Cascio, Angela Bianco, Giacomo Zara, Marilena Budroni, Tom Sizmur, Matteo Garau, Paola Castaldi (2026). Sustainable production of mature and stable amendments through biochar-enhanced vermicomposting of cocoa pod husks. *Biomass and Bioenergy*. https://doi.org/10.1016/j.biombioe.2026.108988
4. Bezeng S. Bezeng, Gabriel Ameka, Chia Michelle Valérie Angui, **Laura Atuah**, Fortuné Azihou, Yanis Bouchenak-Khelladi, Frank Carlisle, Bi Tra Serges Doubi, Orou G. Gaoue, Wenceslas Gatarabirwa and 17 others (2025). An African perspective to biodiversity conservation in the twenty-first century. *Philosophical Transactions of the Royal Society B Biological Sciences*. https://doi.org/10.1098/rstb.2023.0443
5. Patrick Enchill, Benjamin Amedi Afful, Michael Osei, Samuel Adjei Twum, **Laura Atuah**, Safa Oufensou, Virgilio Balmas, Quirico Migheli, Matteo Garau, Paola Castaldi (2025). Influence of vermichar and Trichoderma harzianum in controlling Phytophthora palmivora infection and promoting cocoa seedling growth in soil and cocopeat. *Pest Management Science*. https://doi.org/10.1002/ps.70351
6. Lumbani Mwafulirwa, Tom Sizmur, Andrew Daymond, **Laura Atuah**, Amos Kojo Quaye, Sean Coole, Steve

Robinson, John Hammond, Godfred Awudzi, Dadson Awunyo-Vitor, Owusu Domfeh, Paul Hadley (2024). Cocoa pod husk-derived organic soil amendments differentially affect soil fertility, nutrient leaching, and greenhouse gas emissions in cocoa soils. *Journal of Cleaner Production*. https://doi.org/10.1016/j.jclepro.2024.144065

7. S. E. Owusu, **L. Atuah**, I. Idun, I. Ntekor, E. Appiah (2024). Sustainable Commercial Sod Production of Cynodon dactylon (Bermuda Grass) in Ghana: Assessing Growth, Visual, and Physical Quality. *International Journal of Plant & Soil Science*. https://doi.org/10.9734/ijpss/2024/v36i24379
8. S. E. Owusu, **L. Atuah**, I. Idun, D. Awunyo-Vitor (2023). Evaluation of Chrysopogon Aciculatus (Ritz.) Trin. Seed for Sod Production in Ghana: An Assessment of Growth Performance and Post Harvest Quality. *Journal of Experimental Agriculture International*. https://doi.org/10.9734/jeai/2023/v45i62124
9. Emmanuel Otchere-Darko, **Laura Atuah**, Richard Opoku, Christian Koranteng (2023). Redefining green roof systems with climbers: simulation of a conceptual model for thermal-radiative performance and plant vitality. *International Journal of Building Pathology and Adaptation*. https://doi.org/10.1108/ijbpa-05-2022-0083
10. Alfonso Rodríguez-Vila, **Laura Atuah**, Abdul Halim Abubakari, Dickson Worlanyo Atorqui, Alhassan Abdul-Karim, Sean Coole, John Hammond, Steve Robinson, Tom Sizmur (2022). Effect of Biochar on Micronutrient Availability and Uptake Into Leafy Greens in Two Urban Tropical Soils With Contrasting Soil pH. *Frontiers in Sustainable Food Systems*. https://doi.org/10.3389/fsufs.2022.821397
11. Betty Amponsah-Doku, Andrew Daymond, Steve Robinson, **Laura Atuah**, Tom Sizmur (2021). Improving soil health and closing the yield gap of cocoa production in Ghana – A review. *Scientific African*. https://doi.org/10.1016/j.sciaf.2021.e01075
12. P Kumah, IA Idun, **L Atuah** (2021). Incidence of crown rot disease of banana (Musa AAA) and pathogenicity of the causal organisms from the tropical forest eco-zone of Ghana. *IV All Africa Horticultural Congress-AAHC2021: Transformative Innovations in Horticulture 1348*. https://www.actahort.org/books/1348/1348_11.htm
13. Vincent Savolainen, Victor Attuquaye Clottey, Bi Tra Serges Doubi, Jean Louis Konan, Marian Quain, Bezeng Simeon Bezeng, Vincent Logah, Alex Wireko-Kena, Enoch Adjei Osekre, **Laura Atuah**, Chia Michelle Valérie Angui, Gabriel Ameka, Benjamin Turkson, Ansah Boatemaa, Jacob Paarechuga Anankware, Hettie Arwoh Boafo, Dan Agyei-Dwarko, C.M. (Tilly) Collins (2020). Systems thinking creates opportunities for a circular economy and sustainable palm agriculture in Africa. *Current Research in Environmental Sustainability*. https://doi.org/10.1016/j.crsust.2020.05.001
14. J. Yeboah, A. M. Dadzie, M. A. D. Segbefia, S. T. Lowor, V. N. Agene, S. Osei-Akoto, F. Owusu-Ansah, B. K. B. Banful, **L. Atuah** (2020). Vegetative Propagation of Cashew (Anacardium occidentale L.) by Softwood Grafting in Ghana. *Journal of Agricultural Science*. https://doi.org/10.5539/jas.v12n8p257
15. Abdul-Halim Abubakari, Ben K. B. Banful, **Laura Atuah** (2019). Standardizing the Quality of Composts Using Stability and Maturity Indices: The Use of Sawdust and Rice Husks as Compost Feed Stocks. *American Journal of Plant Sciences*. https://doi.org/10.4236/ajps.2019.1012150
16. D. Nyame-Tawiah, **L. Atuah**, P. K. Tandoh (2019). Thermal Performance of Setcreacea purpurea and Portulaca grandifora as a Green Roof Material Applied in a Tropical Climate. *Current Journal of Applied Science and Technology*. https://doi.org/10.9734/cjast/2019/45910
17. Desma D. D. Soga, Irene A. Idun, **Laura Atuah** (2018). Rooting Response of Thuja occidentalis L. to Different Soilless Media and Stem Propagation Techniques in Ghana. *Asian Journal of Agricultural and Horticultural Research*. https://doi.org/10.9734/ajahr/2018/44570
18. Abdul-Halim Abubakari, **Laura Atuah**, Ben K. Banful (2017). Growth and yield response of lettuce to irrigation and growth media from composted sawdust and rice husk. *Journal of Plant Nutrition*. https://doi.org/10.1080/01904167.2017.1384013
19. Abubakari A H, Bayor H, Takyi I, A Chimsah F, Nyarko G, **Atuah L**, Banful B (2016). Effect of compost-biochar mixes and irrigation on the growth and yield of Amaranthus (Amaranthus hybridus) under two growing temperatures. *African Journal of Agricultural Research*. https://doi.org/10.5897/ajar2015.9674
20. H Abubakari A, **Atuah L**, Banful B, Bayor H (2015). Use of soil amendments for urban horticulture in the

savannah and forest areas of Ghana. *Journal of Soil Science and Environmental Management*. https://doi.org/10.5897/jssem14.0446

21. **L Atuah** (2011). A comparison of the relative toxicity of bone meal and other P sources used as remedial treatments to the earthworm Eisenia fetida. *Pedobiologia*. https://www.sciencedirect.com/science/article/pii/S0031405611000655
22. PKA Dartey, PY Boateng, H Adzraku, **L Atuah**, I Crentsil (2006). Polymeric superabsorbent can be used in air layering of roses without being degraded. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v25i2.32944
23. William Ellis, **Laura Atuah**, P. Kumah, John-Eudes Andivi Bakang (2003). An Overview Of The Floriculture Industry In Ghana. *Ghana Journal of Horticulture*.
24. **L Atuah**, HV Adzraku, P Kumah (2003). Preliminary Studies On Innovative Production Of Sods Using Two Tropical Turf Grass Species. *Ghana Journal of Horticulture*. https://scholar.google.com/scholar?cluster=7589507883548645113&hl=en&oi=scholarr
25. H Adzraku, **L Atuah** (2002). USE OF A POLYMERIC SUPER-ABSORBENT IN AIR LAYERING OF ROSES (ROSA HYBRIDA). *Journal of Science and Technology*. https://journal.knust.edu.gh/index.php/just/article/view/799

Theses 2

1. **Laura Atuah** (2020). Sustainable integrated fertiliser management in Ghanaian cocoa production systems. *University of Reading*. https://centaur.reading.ac.uk/107296/
2. **L Atuah** (2000). Petal Tip Blackening in Roses. *University of Reading, Department of Horticulture and Landscape*. https://scholar.google.com/scholar?cluster=8120991418123541438&hl=en&oi=scholarr