Christian Adler Phares

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RESEARCH

Interests	Land Use Planning and Evaluation · Ecological Impact Assesment · Biodiversity Protection · Sustainability · Soil and Plant Ecology M
Areas	Soil Science · Plant Science · Agronomy and Crop Science · Applied Microbiology and Biotechnology · Ecology, Evolution, Behavior and Systematics · Geochemistry and Petrology

RESEARCH SUMMARY

11	385	8	7	3.57	63%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 11 publications listed below, 2016–2024. Field-weighted impact is the mean over the 8 works scored for it; 1.00 is the world average for works of the same field, type and year. 5 of the 8 papers scored for it are among the world's most cited tenth for their field, type and year.

EDUCATION AND QUALIFICATIONS

PhD (Soil Science) 2013–2016
Department of Soil Science, University of Cape Coast School of Agriculture, Cape Coast, Ghana

PUBLICATIONS

Journal articles 10

1. Kwame Agyei Frimpong, **Christian Adler Phares** (2024). Investigating the comparative effects of abattoir waste (ThalloTM) organomineral ferti-lizer and inorganic NPK fertilizer on wheat grain and ryegrass yields and their nutrient .... *International Journal of Recycling of Organic Waste in Agriculture*. http://oiccpress.com/ijrowa/article/view/3043
2. Emmanuel AMOAKWAH, Mohammad A. RAHMAN, Khandakar R. ISLAM, Kwame A. FRIMPONG, **Christian A. PHARES**, Louis SACKEY, Isaac ASIRIFI, Emmanuel ARTHUR (2023). Increased humic materials explain aggregate-protected carbon and nitrogen accumulation in biochar-amended tropical soils. *Pedosphere*. https://doi.org/10.1016/j.pedsph.2023.07.006
3. **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
4. **Christian Adler PHARES**, Selorm AKABA (2022). Co-application of compost or inorganic NPK fertilizer with biochar influences soil quality, grain yield and net income of rice. *Journal of Integrative Agriculture*. https://doi.org/10.1016/j.jia.2022.07.041
5. **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
6. Kwame Agyei Frimpong, **Christian Adler Phares**, Isaac Boateng, Emmanuel Abban-Baidoo, Lenin Apuri

(2021). One-time application of biochar influenced crop yield across three cropping cycles on tropical sandy loam soil in Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2021.e06267

7. **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
8. **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
9. **Christian Adler Phares** (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
10. **C Phares**, B Osei, S Tagoe (2017). Effects of Biochar and Poultry Manure on the Composition of Phosphorus Solubilizing Fungi and Soil Available Phosphorus Concentration in an Oxisol. *Journal of Agriculture and Ecology Research International*. https://doi.org/10.9734/jaeri/2017/34526

Theses 1

1. **Christian Adler Phares** (2016). Using biochar and poultry manure to improve the fertility of a highly weathered tropical soil and yield of lettuce. *University of Cape Coast*. https://ir.ucc.edu.gh/server/api/core/bitstreams/690eac0f-4241-422c-a344-b0886116120f/content