



FEDERAL UNIVERSITY OF AGRICULTURE, ABEOKUTA

ANNUAL PERFORMANCE EVALUATION REPORT

STAFF PROFILE



Bankole Ganiyu Olawale

My interest extends to chemical interactions that define the influence of biochar and manure to improve carbon sequestration, sorption characteristics, kinetics and availability of soil nutrients in different soil types; nitrogen, phosphorus and sulphur distribution on different land covers and plantations; impact of soil amendments on soil biodiversity, heavy metal remediation, and restoration; soil remediation of organic and inorganic pollutants, greenhouse gases emission.

Brief Biography

Bankole Ganiyu O. is an Assistant Lecturer at the Federal University of Agriculture Abeokuta (FUNAAB) in the Department of Soil Science and Land Management. He is presently carrying out his PhD in Soil Chemistry; he received MSc. Agric in Soil Chemistry and B. Agric. (Soil Science and Land Management) from FUNNAB. He is extensively engaged in the realms of Soil Chemistry, Environmental Soil Chemistry, Soil Fertility and Plant Nutrition.

Personal Information

Departments: College of Plant Science and Crop Production, Department of Soil Science and Land Management

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Rank: Assistant Lecturer

Designation: Lecturer

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Qualification: PhD-in-view (Soil Chemistry); M. Agric (Soil Chemistry); B. Agric (Soil Science and Land Management)

Membership of Professional Bodies: Soil Science Society of Nigeria

Award Received

Department of Soil Science and Land Management Prize for the

Best Graduating Student (Post Graduate) 2019/2020

Federal University of Agriculture Abeokuta, Senate Annual Prize for the

First Class Honours Graduating Student 2015/2016

Department of Soil Science and Land Management Prize for the

Best Graduating Student 2015/2016

Research Conducted

- a) Effect of biochar and animal manure on the leaching pattern and sorption behavior of nitrate-N, ammonium-N, phosphate and sulphate in soil
- b) Soil nitrate and ammonium - nitrogen sorption characteristics, kinetics, leaching and uptake in maize as influenced by biochar integrated with animal manure.
- c) Impact of mulching and poultry manure on evapotranspiration and water use efficiency of okra (*Abelmoschus esculentus* L.)
- d) Effect of organic amendments and woodash on sulphur fractions, sorption characteristics and maize (*Zea mays* L.) yield in some soils of Southwest, Nigeria
- e) Effect of tree species on carbon sequestration and phosphorus distribution of some plantations in Southwest Nigeria

Conferences Attended

1. 2-Day Capacity Building Workshop for Researchers and SMEs on Digital Agriculture for Food Security. Theme: Accelerating the Development and Adoption of Agric-Based Digital Innovation in Southwest Nigeria. 22 – 23 August, 2023.
2. First Annual Conference of the College of Plant Science and Crop Production. Theme: Plant Science for Sustainable Food System. 30th July – 1st August, 2023.
3. Writing original and scholarly research reports with the use of Library Electronic Information Resources and the Turnitin Similarity Checker. 26 July, 2023.

Publications

- 1 J. O. Azeez, **G. O. Bankole** and J. Omonigbo (2023). Vertical and lateral movements of nitrate, phosphate and sulphate in soils around manure dumpsites and the potential environmental implications. *Environmental Monitoring Assessment*. 195:907. <https://doi.org/10.1007/s10661-023-11520-2>.
- 2 A. C. Aghorunse, **G. O. Bankole**, T. B. Odelana, S. Adewuyi, C. O. Adejuyigbe and J. O. Azeez (2023). Comparative evaluation of Fe-impregnated filter paper and some conventional P extractants for assessing phosphorus availability in some amended soils of

Southwest Nigeria. *Communication in Soil Science and Plant Analysis*. DOI: 10.1080/00103624.2023.2211095

- 3 M. A. Busari, **G. O. Bankole**, I. A. Adiamo, R. O. Abiodun and O. H. Ologunde (2022). Influence of mulch and poultry manure application on soil temperature, evapotranspiration and water use efficiency of dry season cultivated okra. *International Soil and Water Conservation Research*. DOI: 10.1016/j.iswcr.2022.09.003
- 4 **G. O. Bankole**, O. S. Sakariyawo, T. B. Odelana, A. C. Aghorunse, C. O. Adejuyigbe and J. O. Azeez (2022). Sulphur fractions, distribution and sorption characteristics in some soils of Ogun state, Southwest Nigeria. *Communication in Soil Science and Plant Analysis*. DOI: 10.1080/00103624.2022.2069798
- 5 Azeez J. O., Aghorunse, A. C., **Bankole, G. O.**, Anamezeonye, M. K., Adegbite, T. A. and AbdulAzeez, S. A (2021). Soil phosphorus availability indices and saturation ratio as an index of environmental risk assessment. *Jordan Journal of Earth and Environmental Sciences*, 12 (3): 269-274.