



University of Ghana

College of Basic and Applied Sciences Research Board

Template for board members profile for the web portal

PERSONAL INFORMATION

Name: *Prof Samuel Adjei-Nsiah*

Nationality: Ghanaian

Phone (Optional): 0245395251

e-mail: sadjei-nsiah@ug.edu.gh

ACADEMIC BACKGROUND

PhD (Production Ecology and Resource Conservation)

RESEARCH INTEREST

Sustainable agricultural intensification in smallholder farming systems

Agricultural innovation systems

Climate change and food security

AREA OF SPECIALIZATION

Biological Nitrogen Fixation in Grain Legumes

ON-GOING RESEARCH PROJECTS:

Integrated soil fertility management in tree crops-based farming systems

RECENT PUBLICATIONS

1. M. P. van Loon, **S. Adjei-Nsiah**, K. Descheemaeker, C. Akotsen Mensah, M. van Dijk, T. Morley, M.K. van Ittersum and P. Reidsma (2019). Can yield variability be explained? Integrated assessment of maize yield gaps across smallholders in Ghana. *Field Crops Research*, 236:132-144
2. **S. Adjei-Nsiah**, K. Jessica, E. Owusu Benoaah and F. Kanampiu (2019). Influence of P sources and rhizobium inoculation on growth and yield of soybean genotypes on Ferric Lixisols of northern Guinea savanna zone of Ghana. *Journal of Communication in Soil Science and Plant Analysis* 50 (7):853-868.
3. M. Kermah, A.C. Franke, B.D.K. Ahiabor, **S. Adjei-Nsiah**, R.C. Abaidoo and K.E. Giller (2018). Legume-maize rotation or relay? Options for ecological intensification of smallholder farms in the Guinea Savanna of Northern Ghana. *Experimental Agriculture*, doi:10.1017/S 00 14479718000273
4. **S. Adjei-Nsiah**, J.K. Ahiakpa and G. Asamoah Asante (2018). Productivity of pigeonpea genotypes as influenced by palm bunch ash and NPK fertilizer application and their residual effects on maize yield. *Annals of Agricultural Sciences*.
<https://doi.org/10.1016/j.aosas.2018.05.001>
5. **S. Adjei-Nsiah**, B.U. Alabi, J.K. Ahiakpa and F. Kanampiu (2018). Response of Grain Legumes to Phosphorus Application in the Guinea Savanna Agro-Ecological Zones of Ghana. *Agron. J.* 110 (2), 1-8. Doi:10.2134/agronj2017.11.0667