

PETER A. Y. AMPIM

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PROFESSIONAL PREPARATION

Institution	Location	Major/Training	Degree	Year
Kwame Nkrumah Univ. of Sci. & Technology	Kumasi, Ghana	Natural Resources Management	B.Sc. (Hons.)	1999
Alcorn State University	Lorman, MS	Agronomy	M.S.	2004
Mississippi State University	Starkville, MS	Weed Science/Water Quality	Ph.D.	2008
Texas A&M AgriLife Advanced Leaders Program	College Station, TX	Leadership Skills	Certificate	2020

APPOINTMENTS

Sept 2018 - Present	Assistant Professor of Agronomy, ANE, CAHS, PVAMU
Feb 2014 - Aug 2018	Research Scientist, CARC, CAHS, PVAMU
Jul 2013 - Jan 2014	Staff Scientist, Lead, Product Validation and Enhancement, Agricen Sciences
Nov 2011- Jun 2013	Agronomic Research Analyst, Agricen Sciences, Pilot Point, TX
Sep 2008 - Oct 2011	Postdoctoral Research Associate, AgriLife Research, Dallas, TX
Jan 2004 - Aug 2008	Graduate Research Assistant, Mississippi State Univ. Starkville, MS
Oct 2001- Dec 2003	Graduate Research Assistant, Alcorn State University, Lorman, MS
Sep 2000 - Sep 2001	Natural Science Research Coordinator, NCRC, Accra, Ghana
Nov 1999 - Aug 2000	Research Assistant, Nature Conservation Research Center, Accra, Ghana

PRODUCTS: Selected Peer Reviewed Publications (2019 - 2021)

1. Ampim, P.A.Y., A. B. Johnson and S.G.K. Adiku (2021). Relationships and the spatial structure of soil physical properties in a ten-year corn-cotton rotation field. *Int. J. Applied Geospatial Res.* 12(3):34-46.
2. MacCarthy, D.S., M. Adam, B.S. Freduah, B.Y. Fosu-Mensah, P.A.Y. Ampim, M. Ly, P.S. Traore, S.G.K Adiku (2021). Climate change impact and variability on cereal productivity among smallholder farmers under future production systems in West Africa. *Sustainability* 2021, 13, 5191. <https://doi.org/10.3390/su13095191>.
3. Ampim, P.A.Y., M. Ogbe, E. Obeng, E. K. Akley and D. S. MacCarthy (2021). Land cover changes in Ghana over the past 24 years. *Sustainability* 2021, 13, 4951. <https://doi.org/10.3390/su13094951>.
4. Olvera-Gonzalez, E., N. Escalante-Garcia, D. Myers, P. Ampim, E. Obeng, D. Alaniz-Lumbreras and V. Castaño (2021). Pulsed LED-Lighting as an alternative energy savings technique for vertical farms and plant factories. *Energies* 14:1603. <https://doi.org/10.3390/en14061603>.
5. Obeng, E., P.A.Y. Ampim, A.C. Nwachukwa, F. Isabelle, A. Weerasooriya and G. Osuji (2021). The effect of fabric covering on the emergence and yield of container grown Egyptian spinach (*Corchorus olitorius* L.). *Sci J Biol & Life Sci.* 1(4): 2020. SJBLS.MS.ID.000519.
6. Ampim, P.A.Y., E. Obeng, E.O. Gonzalez, A. Weerasooriya, G.O. Osuji and D. Myers Sr. (2020). The response of Egyptian spinach and vegetable amaranth microgreens to different light regimes. *Sci J Biol & Life Sci.* 1(2): 2020. SJBLS.MS.ID.000512.
7. Mbia, M., E. Obeng, A. Weerasooriya and P. Ampim (2020). The effects of fertilizer on the growth of Egyptian spinach in a greenhouse. *Pursue: Undergraduate Research Journal* 3(1): 2.
8. Carson, L. S. Bandara, M. Joseph, T. Green, T. Grady, G. Osuji, A. Weerasooriya, P. Ampim and S. Woldesenbet (2020). Green synthesis of silver nanoparticles with antimicrobial properties using *Phyla dulcis* plant extract. *Foodborne Pathogens and Disease.* <https://doi.org/10.1089/fpd.2019.2714>.
9. Ray R.L., Ampim P.A.Y., Gao M. (2020). Crop Protection Under Drought Stress. In: Jabran K., Florentine S., Chauhan B. (eds) *Crop Protection Under Changing Climate*. Springer, Cham. https://doi.org/10.1007/978-3-030-46111-9_6.
10. Sloan, J. J., P.A.Y. Ampim and F. Jaber. (2019). Phosphorus and nitrogen adsorption by

clinoptilolite zeolite coated with iron-oxide. Comm. Soil Sci. and Anal. 50(20): 2669-2681, doi:10.1080/00103624.2019.1671448.

11. Obiloma, A. A., W. C. Madu, G. O. O. Osuji., P. A. Ampim, A. D. Weerasooriya, L. E. Carson (2019a). Terpene-rich medicinal plant spices for flavoring of processed tropical food. Am. J. of Plant Sci. 10: 572 -577.
12. Obiloma, A. A., W. C. Madu, G. O. O. Osuji., A. Weerasooriya, P. Ampim, L. Carson, A. N. Maduforo and P. C. Ogbonna (2019b). Evaluation of chemical composition of *Byrsocarpus dinklagei*: An uncommon indigenous spice consumed in southeastern Nigeria. Nigerian Journal of Nutritional Sciences 40(1): 125-130.
13. Kebrom, T., S. Woldeesenbet, H. Bayabil, M. Garcia, M. Gao, P. Ampim, A. Awal and A. Fares (2019). Evaluation of phytotoxicity of three organic amendments to collard greens using the seed germination bioassay. Environmental Science and Pollution Research, doi:10.1007/s11356-018-3928-4.
14. Harris, P., E. Obeng, A. Weerasooriya, and P.A.Y. Ampim (2019). Economic potential of okra cultivation for limited resource farmers. Pursue: Undergraduate Research Journal 2(1):5-13.

SELECTED GRANTS RECEIVED

1. Antwi, J., P. Ampim, J. Barouie, N. Estwick, I. Rathnathungalage. AFRI-EWD, 2021-2023, \$300, 000. Pathways to early childhood obesity prevention (P.E.C.O.P) Fellowship “FACT”.
2. Wallace, R., T. Montague, P. Ampim, L. Stein, K. Lewis and L. Miller. TDA, 2020-2022, \$89,595. Increasing Texas strawberry profitability through two additional years of research and grower training.
3. Huque et al. NASA-SSC, 2019-2022, \$2, 834, 568. Research on high pressure combustion in microgravity.
4. Kommalapati et al. NSF, 2019-2024, \$5, 000, 000. CREST Center for Energy & Environmental Sustainability.
5. Wallace R., P. Ampim, L. Stein and S. Marshall, TDA, 2018-2020, \$68, 862. Enhancing productivity and resiliency of Texas-grow strawberries through research and grower training.
6. Ram, R., A. Fares, R. Awal, P. Ampim, S. Woldeesenbet and N. Daniels, USDA/NIFCBG, 2018- 2021, \$595, 933. An integrated approach to study and disseminate the impact of climate change on agriculture and water quality.
7. Ampim P., A. Weerasooriya, M. Gao, B. Lawton, O. Ojumu, D. Rivera. USDA/NIFA/CBG, 2017-2022, \$596,395, Building capacity to support small acreage farmers in Texas to produce high value specialty crops.

SYNERGISTIC ACTIVITIES:

1. Professional Memberships: American Society of Agronomy, Soil Science Society of America, Crop Science Society of America, Weed Science Society of America
2. Proposal Review Services: Proposal Review Panel Chair - USDA ARS Water Availability and Watershed Management National Program; Adhoc Proposal Reviewer - USDA AFRI Exploratory Research Program; Proposal Review Panelist - 1890 CBG Program
3. Editorial Services: Scientific Journal of Biology and Life Sciences (Associate Editor); Environment and Energy Research (Editorial Board); Invited Reviewer - Environment, Development and Sustainability, African Journal of Agricultural Research, Agronomy Journal, Grassland Science, Urban Forestry and Greening, American Journal of Plant Science, Ecological Engineering, Asian Journal of Environment & Ecology, Asian Journal of Advanced Research and Reports, Journal of Scientific Research and Reports, Journal of Environmental Quality, Precision Agriculture, African Journal of Science and Technology, HortTech, Toxins, Land, Plants and Inventions

HONORS & AWARDS

- Superior Service Award, Team Category for the Texas Strawberry Project, Texas A&M AgriLife Extension, 2016.