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EDUCATION

PhD (2019), Agricultural Soil and Water Engineering, South China Agricultural University, Guangzhou, China.

Visiting Senior Scholar Research Certificate (2013), Agricultural Soil and Water Engineering, South China Agricultural University, Guangzhou, China.

MSc. (2012), Soil and Water Engineering, Kwame Nkrumah University of Science and Technology, Ghana.

BSc. (2008), Agricultural Technology, Option: Mechanization and Irrigation Technology. University for Development Studies, Ghana.

RESEARCH INTEREST

- * Soil Management and Conservation (Soil Tillage)
- * Understanding and managing the effects of soil physicochemical and biological conditions on soil health and quality.
- * Crop sustainability (maize and rice productivity)
- * Biochar, vermicompost, and soil carbon sequestration on soil properties and crop performance.
- * Soil amendments and enhanced efficiency fertilizers for optimizing crop production.
- * Managing crop water use efficiency (crop water stress)
- * Irrigation (Fertigation)
- * Agricultural Image Classification (Deep Learning)

PROFESSIONAL EXPERIENCE

Lecturer; Department of Agricultural Engineering, School of Engineering Sciences, College of Basic and Applied Sciences, University of Ghana. (December 2020-Present)

Part-Time Lecturer; Water Management and Administration Business Management & Financial Institution (BMFI)-Ghana. (October 2013 – May 2016)

RECENT PUBLICATIONS

DISSERTATION AND THESIS

Ph.D. (12/2019) “Study of Tillage Methods on Soil Properties and Corn Yield in Latosolic Red Soil of Southern China”. Advisor: *Prof. Li Jiu hao*.

Senior Scholar (2013) “Effects of Pressure Head and Lateral Length on Water Distribution Uniformity of PVC Drip Irrigation System”. Advisor: Prof. Li Jiu hao.

MSc. (2012) “Design and Evaluation of a Simple PVC Drip Irrigation System Using *Akposoe* Maize as a Test Crop”. Advisor: Late Dr. Emmanuel Ofori.

BSc. (2007) “Effects of Waste Water on Vegetables Production in Tamale Metropolis”. Advisor: Prof. Gordana Kranjac Berisavljevic.

JOURNAL PUBLICATIONS

1. Evans Asenso, Luyong Zhang, Lingmao Tang, Fuseini Issaka, Kai Tian, Jiu hao Li, Lian Hu. Moldboard plowing with direct seeding improves soil properties and sustainable productivity in ratoon rice farmland in Southern China. *Sustainability*. 2019, 11, 6499; doi:10.3390/su11226499 (SCI-IF: 2.592).
2. Fuseini Issaka, Zeng Zhang, Yongtao Li, Zhongqui Zhao, Evans Asenso, Adam Sheka Kanu, Wenyan Li, Jinjin Wang. Zero tillage improves soil properties, reduces nitrogen loss and increases productivity in a rice farmland in Ghana. *Agronomy*. 2019, 9, 641. doi:10.3390/agronomy9100641 (SCI-IF: 2.259).
3. Kai Tian, Jiu hao Li, Jiefeng Zeng, Evans Asenso, Lina Zhang. Segmentation of tomato leaf images based on adaptive clustering number of K-means algorithm. *Computers and Electronics in Agriculture*. 165, 2019, 104962. doi.org/10.1016/j.compag.2019.104962 (SCI-IF: 3.171).
4. Zhang Luyong, Hu Lian, Asenso Evans, Zhang Lina, Li Jiu hao. Effects of cultivation modes on soil physical characteristics of rice fields. *Heilongjiang Agricultural Sciences*. 2019(8): 35-38. doi:10.11942/j.issn1002-2767.2019.08.0035 (In Chinese with English Abstract).
5. Evans Asenso, Lian Hu, Fuseini Issaka, Kai Tian, Lina Zhang, Luyong Zhang, Jiefeng Zeng, Yan-Fei Zhu, Jiu hao Li. Four tillage method assessments on soil organic carbon, total nitrogen, biological activities and maize grain yield in Southern China. *Food and Energy Security*. 2019;00:e176. doi.org/10.1002/fes3.176 (SCI-IF: 4.781).
6. Fuseini Issaka, Zheng Zhang, Zhong-Qui Zhao, Evans Asenso, Jiu-Hao Li, Yong-Tao Li, Jin-Jin Wang. Sustainable conservation tillage improves soil nutrients and reduces nitrogen and phosphorous losses in maize farmland in Southern China. *Sustainability*. 2019, 11, 2397. doi.org/10.3390/su11082397 (SCI-IF: 2.592).
7. Evans Asenso, Lian Hu, Fuseini Issaka, Kai Tian, Lina Zhang, Luyong Zhang, Jiefeng Zeng, Yan-Fei Zhu, Jiu hao Li. Impact of tillage practices on selected soil physico-chemical and biological conditions, and maize yield in Latosolic red soil of Southern China. In: Proceedings of XIX. World Congress of CIGR (International Commission of Agricultural

and Biosystems Engineering). Antalya-Turkey, 2018, pp. 232-246. cigr.org/Proceedings/ (Conference Paper).

8. Evans Asenso, Jiu hao Li, Lian Hu, Fuseini Issaka, Kai Tian, Lina Zhang, Luyong Zhang, Hai-Bo Chen. Tillage effects on soil biochemical properties and maize grown in Latosolic red soil of Southern China. *Applied and Environmental Soil Science*. Vol. 2018, Article ID 8426736, 10 pages, 2018. doi.org/10.1155/2018/8426736 (Web of Science).
9. Zhang Lina, Evans Asenso, Zhang Luyong, Tian Kai, Yang Dantong, Li Jiu hao. Effects of tillage methods on the physical characteristics of red soil of upland. *Soil and Water Conservation*. 2018, 25 (03): 46-50. (In Chinese with English Abstract).
10. Evans Asenso, Jiu hao Li, Hai-Bo, Chen, Emmanuel Ofori, Fuseini Issaka, and Bismark Mensah Brako, (2014). Head and lateral length on water distribution uniformity of PVC drip irrigation system. *African Journals of Agricultural Research*, 9 (30), 2298-2305.
11. Evans Asenso, Emmanuel Ofori, Agyie-Agyare Wilson, Ebenezer Mensah, and Kyei-Baffour Nicholas (2014). Growth and yield of *Akposoe* maize variety under different water placement depths in Ghana. *ADRRI Journal of Agriculture and Food Sciences, Ghana*: Vol. 1, No. 1(1), Pp. 14-29, ISSN: 2026-5204.

PAPER UNDER REVIEW

1. Response of tillage and ratooning establishment approach on soil properties and grain yield.
Submitted to: Food and Energy Security – Willey Online Library
Authors: Evans Asenso, Zhimin Wang, Jiu hao Li, Lian Hu
2. Subsoiling improves soil physical properties and increases productivity in a maize farmland in Southern China. *Submitted to: Agricultural Engineering International: CIGR Journal*
Authors: Evans Asenso, Jiu hao Li and Lian Hu

AWARDS

UNESCO/P.R. China Government Scholarship [2012-2013]
P.R. China Government Scholarship (CSC) [2016-2019]

PROFESSIONAL MEMBERSHIP

Ghana Society of Agricultural Engineers (GSAE)
CIGR (Commission International du Genie Rural)
International Soil Tillage Research Organization (ISTRO)
Quarterly Franklin Membership (ID#QK29067)

CONFERENCE ATTENDED

5TH National Conference on Agricultural Engineering; Ghana Society of Agricultural Engineers (GSAE),
KNUST-Kumasi, Ghana. 22 – 23/09/2011.
CIGR 2018, XIX World Congress of CIGR, Antalya Turkey. 22 -25 April 2018.

PROFESSIONAL SERVICE - JOURNAL REVIEWING

* International Journal of Agricultural & Biological Engineering (IJABE)

- * Agricultural Engineering International: CIGR Journal
- * African Journal of Agricultural Research (AJAR)
- * Asian Soil Research Journal (ASRJ)
- * Asian Journal of Soil Science & Plant Nutrition (AJSSPN)
- * International Journal of Plant & Soil Science (IJPSS)
- * Journal of Experimental Agriculture International (JEAI)
- * Merit Research Journal of Agricultural Science & Soil Science (MRJASSS)
- * World Journal of Agriculture & Soil Science (WJASS)
- * Asian Research Journal of Agriculture (ARJA)
- * Current World Environment (CWE)
- * Current Journal of Applied Science & Technology (CJAST)
- * International Research Journal of Pure & Applied Chemistry (IRJAC)
- * Asian Journal of Environment & Ecology (AEE)

EDITORIAL ROLE

- * World Journal of Agriculture & Soil Science (WJASS)
- * Peer Research Nest
- * Earth Science (Special Issue: *Sustainable Agriculture*) – Lead Guest Editor
- * Research and Education Promotion Association (REPA)
- * London Journal of Research in Science: Natural and Formal (LJRS)

STATISTICAL ANALYSIS

- * SPSS
- * STATISTIX
- * MINITAB
- * MS WORD

REFEREES

1. Professor Li Jiu hao
College of Water Conservancy & Civil Engineering
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483 Wushan Road, Tianhe District
Guangzhou, 510642, P.R. China
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2. Professor Gordana Kranjac Berisavljevic
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