CSIR-Soil Research Institute

Publication List for 2019

1. Wortmann, C.S., Kaizzi, K.C., Maman, N., Tetteh, F., Kibunja, C., et al., 2019. Diagnosis of crop secondary and micro-nutrient deficiencies in Sub-Saharan Africa. Nutrient Cycling in Agroecosystems. 113: 127-140 (2019)
2. Abdul Rahman N., A. Larbi. A. Opoku, F.M. Tetteh and I. Hoeschle-Zeledon. 2019. Crop-Livestock Interaction Effect on Soil Quality in Northern Ghana. Agronomy Journal. 111:1-10 (2019)
3. Edward Calys-Tagoe, Sadick Adams, Edward Yeboah and Ben Amoah (2019). Biochar Effect on Maize Yield in Selected Farmers Fields in the Northern and Upper East Regions of Ghana. Journal of Experimental Agriculture International. (6): 1-9doi.10.9734/JEAI/2019/44168.
4. Edward Calys-Tagoe, Adams Sadick, Gideon Asamoah and Mandela Alema. (2019). GIS-based Analysis of Indigenous and Technical Knowledge of Soil Suitability Evaluation of Cocoa, Citrus and Oil Palm in Ejisu-Juaben District, Ashanti Region, Ghana. International Journal of Plant and Soil Science. 29 (2) 1-8.
5. Haruna Baako, Adams Sadick, Kwame O. Awuah, Inusah Mahama and Apori S. Obeng. (2019). Water Quality Appraisal in Selected Rivers at Atiwa Forest in the Eastern Region of Ghana. Asian Journal of Environment and Ecology. 8 (3) :1-7.
6. Nana Ewusi-Mensah, Paul Williston Mensah, Vincent Logah & Patrick Ofori (2019) Compost inoculated with Azotobacter sp: impact assessment on eggplant (Solanum melongena) productivity and soil nutrient status in Ghana, Archives of Agronomy and Soil Science, DOI: 10.1080/03650340.2019.1608526.
7. Chinyere Blessing Okebalama, Ebenezer Yeboah Safo, Edward Yeboah, Robert Clement Abaidoo and Vincent Logah. (2019). Vegetative and reproductive performance of maize to nitrogen and phosphorus fertilizers in Plinthic Acrisol and Gleyic Plinthic Acrisol. Journal of Plant Nutrition. PP 1-19. Doi. 10.1080/019041672019.1567775

**Approved consultancy reports**

1. Patrick Ofori and Gideon Asamoah (2019). Laboratory Testing for the Cause of the Discoloration underneath the Roof of Kejetia Market Building. Edited Research Report No: CSIR-SRI/CR/PO/2019/01. Pp. 1-10. CSIR-Soil Research Institute, Academy Post Office, Kwadaso – Kumasi.
2. Edward Yeboah, Stephen Owusu, Michael Amankwah and Mandela Alema. (2019). Pedological assessment and detailed soil studies of a 3-hectare Research Field for the Cocoasoils Project at Maabang near Tepa in the Ashanti Region. 70 pp. CSIR/SRI/CR/EY/2019/01
3. E.O. Adjei, E.R. Gaisie, G.W. Quansah (2019) Soil nutrients and litter decomposition studies under selected forest reserves in the Eastern and Western regions of Ghana. Institutional Number: CSIR-SRI /CR/EOA/2019/01

1. Gabriel Willie Quansah, Eric Owusu Adjei, Ekow Ruben Gaisie (2019). Soil erodibility studies of reclaimed sites (waste rock dumps). A component of the main study under contract MA 03090 2017 for Newmont Gold Ghana Limited. Institutional No: CSIR-SRI/CR/ GWQ/2019/001

**Books**

1. Sekyi-Annan, E. (2019). Performance evaluation of reservoir-based irrigation schemesin the Upper East Region of Ghana. Ecology and Development Series. Bd. 105. pp. 60.ISBN: 978-3-940124-62-3
2. Vanja Westerberg, Angela Doku, Lawrence Damnyag, Gordana Kranjac-Barisavljevic, Stephen Owusu, Godfred Jasaw, Edward Yeboah, Salvatore Di Falco (2019). Reversing Land Degradation in Drylands. The case for Farmer Managed Natural Regeneration (FMNR) in the Upper West Region of Ghana. Report for the Economics of Land Degradation in the framework of the “Reversing Land Degradation in Africa by scaling up Evergreen Agriculture Project. pp.1-81. ISBN: 978-92-808-6063-4.

**Edited Research Reports**

1. Gideon Asamoah, Patrick Ofori, Edward Yeboah, James Oppong, Kwaku Osei Adu Agyeman (2019). Integration of Trees into Agricultural Farming Systems to Increase Yield, Resilience and Carbon Stocks. Forest Investment Programme Project Final Report. Edited Research Report No: CSIR/SRI/RE/PO/2020/03. Pp.1-58.

2. Patrick Ofori, Gideon Asamoah, Kwaku Osei Adu Agyeman, Ben Amoah (2019). Screening for Symbiotic Effectiveness of Indigenous Soil Rhizobia from Selected Farmers’ Fields in Saboba District of Northern Ghana. CSIR-Soil Research Institute, Kwadaso-Kumasi, Edited Research Report No: CSIR/SRI/RE/PO/2020/05. Pp. 1-1

**Unedited Conference Papers / Poster presentations**

1. Amoakwah, E., Eduah, J., Ahmed, F., Frimpong, K.A., Abekoe, M., and Arthur, E. (2019). Soil fertility improvement in Ghana by biochar amendment. A paper presented at the “Green Cohesive Water, Energy from Biomass, Soil, Organics and Crop Management Strategies Stakeholders’ Conference”, at the University of Cape Coast, Academic Board Chamber, Ghana, on 7th November 2019.

2. Amoakwah, E. (2019). How data revolution will deliver better agronomy at scale for African smallholder farmers. A paper presented at the “African Green Revolution Forum”, held in Accra, Ghana, on 3rd September 2019.

3. Amoakwah, E. (2019). From innovation to impact: Rural outreach in smallholder farming. A paper presented at the “Education and Sustainable Development Goals Conference”, organized at Ghent University, Belgium, on 21st May 2019.

**Manuals**

1. Patrick Ofori, Edward Yeboah, James Oppong, Gideon Asamoah, Kwabena Nketia Abrefa, Nana Ewusi-Mensah, Kwaku Osei Adu Agyeman (2019). Manual on Production and Application of Biochar as a Soil Amendment for Increased Yield, Resilience and Carbon Stocks. CSIR-SRI/FC/MA/PO/2019/01. Pp. 1-21.

2. James Oppong, Patrick Ofori, Edward Yeboah, Gideon Asamoah, Kwabena Nketia Abrefa, Nana Ewusi-Mensah, Kwaku Osei Adu Agyeman (2019). A manual on Evergreen Agriculture as a Technology for Integration of Trees into Agricultural Farming Systems for increased Yield, Resilience and Carbon Stocks. CSIR-SRI/FC/MA/JO/2019/01. Pp. 1-15.

1. Kwabena Nketia Abrefa, James Oppong, Patrick Ofori, Edward Yeboah, Gideon Asamoah, Nana Ewusi-Mensah, Kwaku Osei Adu Agyeman (2019). A manual on Farmer Managed Natural Regeneration for Increased Yield, Carbon Stocks and Resilience in Agricultural Systems. CSIR-SRI/FC/MA/KNA/2019/01.Pp. 1-37
2. Edward Yeboah, Holger Kahl and Christoph Arndt. 2019. Soil Testing Guide, 3rd edition, 2019 pp (38).