

- i. **Brief Biography:** Born on May 3, 1970. Hailed from Lagos State, Lagos Island Local Government. Obtained Joint Federal Government of Nigeria and Russian Federation scholarships (1988-1994) and (1998-2001) for all my tertiary education. Specialised in Plant Physiology and Biochemistry from People's Friendship University, Moscow and Institute of Plant Physiology, Russian Academy of Sciences, Russia.



- ii. **Passport size photograph:**
- iii. **Personal information:** Attended Abeokuta Grammar School, Kuban State Agricultural University, Krasnodar and Peoples Friendship University, Moscow, Russia. Married with Children.
- iv. **Department:** Plant Physiology and Crop Production
- v. **E-mail Address:** sakariyawoos@funaab.edu.ng
- vi. **Phone number:** 07030890180
- vii. **Rank:** Professor, Crop Physiology
- viii. **Designation:**
- ix. **Researchgate Address:** <https://www.researchgate.net/profile/Olalekan-Sakariyawo>
- x. **LinkedIn Address:** <https://www.linkedin.com/in/olalekan-suleiman-sakariyawo-2320231a/>
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https://scholar.google.com/citations?user=LJe2_uwAAAAJ&hl=en
- xii. **ORCID number:** <https://orcid.org/0000-0001-5281-5402>
- xiii. **Qualification:** M. Sc. (Krasnodar), Ph. D (Moscow)
- xiv. **Membership of Professional Bodies**
- Crop Science Society of Nigeria
 - Professional Member, Biological Society of Ethiopia
 - Member of Organic Agriculture Professionals in Tertiary Institution in Nigeria (OAPTIN)
 - International Society of Organic Agriculture Research
 - Nigerian Society for Experimental Biology
 - Professional Member, Institute of Strategic Management, Nigeria

xv. Award Received

- a. Best graduating student in the following discipline: Soil Science, Plant Breeding and Seed Technology, Plant Biochemistry and Plant Physiology, Phytopathology.
- b. Won the Nigerian Federal Government Scholarship from Bachelors Degree to Ph.D. level. 1988-2002
- c. Certificate of Appreciation, Moscow, in recognition of immense contributions towards the formation of Nigeria community in Russia and promotion of good image of the country. 2002
- d. Certificate of Merit, Jimma University, in recognition of diligent and meritorious service as a Nigerian expatriate volunteer. 2008
- e. Certificate of Commendation, for immense contributions towards the development of the Department of Horticulture, Jimma University of Agriculture and Veterinary Medicine, (JUCAVM), Jimma University, Ethiopia 2008
- f. Certificate of Service, by the Federal Ministry of External Affairs, Nigeria, in recognition of services rendered to the Ethiopian Government through the Technical Aid Corp Programme, 2006– 2008 Programme

xvi. Research Conducted

- a. Agronomic performance and morphological characterisation of selected cowpea (*Vigna unguiculata* L. Walp.) varieties from Sudan and derived Savanna agroecological zones of Nigeria
- b. Physiological and Molecular characterisation of NERICA and local rice varieties to intensity and duration of soil water deficit at the reproductive growth stage
- c. Genetic and morphophysiological basis of iron deficiency tolerance in upland rice genotypes
- d. Influence of plant density on growth, yield and yield components of hybrid maize (*Zea mays* L) under post-anthesis defoliation
- e. Physiological responses of drought tolerant rice varieties to soil moisture stress
- f. Growth response of cashew seedlings (*Anacardium occidentale* L) to point of decapitation
- g. Growth and grain yield responses of two maize varieties to rates of inorganic nitrogen fertiliser and calcium carbide in a derived Savanna agroecology
- h. The effect of the proportion of inorganic N applied at different times on the physiological responses and performance of maize (*Zea mays* L) from different maturity classes in a derived Savanna
- i. Effect of silicon application on the tolerance of upland rice to water deficit at the vegetative growth stage

- j. Development of host-based semiochemical lure and visual cue for trapping adult flea beetles (*podagrica* spp) (Coleoptera)
 - i. In progress:
 - a. Drought avoidance mechanism in some selected upland rice varieties as affected by water deficit at the reproductive growth stage in contrasting agroecologies
 - b. Nitrogen, Phosphorus use efficiency and performance of soybean [*Glycine max* (L.) Merrill.] as affected by combined N and P application rates under varying plant densities in derived Savanna
 - c. Physiological basis for the tolerance of open pollinated maize (*Zea mays* L.) cultivars to low N application rates in a derived Savanna
 - d. Anti-nutritive factors in fluted pumpkin (*Telfairia occidentalis*) as influenced by fertilizer types and application rates
 - e. Lowland-lowland-upland rice sequential cropping system in a modified system of rice intensification methodology
 - f. Variations in the performance of lowland rice varieties as affected by low application rates of N-urea in an inland valley of a derived Savanna
 - g. Effect of combined nitrogen sources on the growth, yield and yield components of maize (*Zea mays* L.) varieties in a derived Savanna
 - h. Variations in the performance of two lowland rice cultivars as affected by nitrogen rates and time of applications in a derived Savanna

xvii. Conferences Attended

1. 4th International Congress of Russian Society of Plant Physiologist, “Plant Physiology – Science of the III millennium” Moscow, Russia, (October 1999). **Sakariyawo S.O.** “Does Nitrate transport process limit wheat plant tolerance to drought?”
2. Scientific conference SNO Agrarian faculty. Problems in Agro based Industries today and tomorrow. (15-16 April, 2001) Moscow. **Sakariyawo, S.O.**, and Kuznetsov, VI. V. Assimilation of inorganic nitrogen in wheat plants under drought condition.
3. International symposium - “Plant under Environmental Stress”, (23-28 October 2001), Moscow. **Sakariyawo, O.S.** Meshcheryakov, A. B., Kholodova, V.P., Kuznetsov VI. V - Transport and assimilation of nitrate in different cultivars of wheat under water deficit.
4. 39th Annual Conference- Re-strategising weed management for attainment of food security and environmental sustainability, (30th of Oct. – 2nd of Nov, 2011), Abeokuta. PP 34. Adeyemi, O.R., Atayese, M.O., Oyekanmi, A.A., **Sakariyawo, O.S.**, Lawal, O.I., Aderibigbe, S.G. and Tella, O.V. Crop performance and weed control efficacy of sweet potato as influenced by maize cultivars and organic manure in maize/sweet potato intercrop.
5. 39th Annual Conference- Re-strategising weed management for attainment of food security and environmental sustainability, (30th of Oct. – 2nd of Nov, 2011), Abeokuta. PP 14. Adeyemi, O.R., Hosu Suuru, L.D., Lagoke, S.T.O. and **Sakariyawo, O.S.**

Allelopathic effects of *Chromolaena odorata* and *Tithonia diversifolia* on germination and growth of maize and tomato.

6. 39th Annual Conference- Restrategising weed management for attainment of food security and environmental sustainability, (30th of Oct. – 2nd of Nov, 2011), Abeokuta. PP 22. **Sakariyawo O.S.**, Adeyemi, O.R., Aderibigbe, S.G., Oyekanmi, A.A. Physiological evaluation of auxin-herbicidal action: phytotoxic and environmental implication.
7. 7th National Conference and Annual General Meeting- Organic Agriculture for Food Security, Health and Environmental Sustainability, (13th- 17th November, 2011), Makurdi. **Sakariyawo, O.S.**, Soretire, A.A., Aderibigbe, S.G., Otaiku, A.A., Oyekanmi, A.A., Lawal, I.O., Adebayo, A.G., Shokalu, A.O. Agro-ecological sustainability of organic manure application in soybean production in Alfisols of rain-forest transitory zone of Nigeria.
8. 2nd African Organic Conference, (2-4 May, 2012), Lusaka, Zambia. Lawal, O.I., Atayese, M.O., Oyekanmi, A.A., **Sakariyawo, O.S.**, Aderibigbe, S.G., Adeyemi, O.R. Agronomic efficiency of maize (*Zea mays* L.) as influenced by compost rates in the rainforest-savannah transitional zone of South-West Nigeria.
9. 2nd African Organic Conference, (2-4 May, 2012), Lusaka, Zambia. Lawal, O.I., Atayese, M.O., Oyekanmi, A.A., **Sakariyawo, O.S.**, Aderibigbe, S.G., Adeyemi, O.R. Growth, yield and physiological efficiency of maize (*Zea mays* L.) as influenced by compost rates in an organic based cropping system.
10. 12th Annual Scientific Conference and General Meeting-Science as a tool for National Transformation and Development, (14th- 17th March, 2012), Benin City. **Sakariyawo, O.S.**, Aderibigbe, S.G., Soremi, P.A.S., Oyekanmi, A.A and Okonji, C.J. Performance of late season maize (*Zea mays*) under different plant population densities in rain forest ecology of Nigeria
11. 12th Annual Scientific Conference and General Meeting-Science as a tool for National Transformation and Development, (14th- 17th March, 2012), Benin City. Aderibigbe, S.G., **Sakariyawo, O.S.**, Okonji, C.J., Okeleye, K.A., Oikeh, S.O., Nwilene, F., Ajayi, O. And Oyekanmi, A.A. Effect of Iron Toxicity on agronomic and physiological parameters of lowland rice in moist Savanna of Nigeria
12. 12th Annual Scientific Conference and General Meeting-Science as a tool for National Transformation and Development, (14th- 17th March, 2012), Ajala, M.O., Okonji, C.J., Dare, M.O., Kuranga, O.J., **Sakariyawo, O.S.**, Nojimudeen, R.O. Land use effect of soil microbial properties of Crescent University Farm.
13. 3rd AfricaRice Congress, (21 – 24th October, 2013, Yaounde, Cameroon), **Sakariyawo, O.S.**, Okeleye, K.A., Atayese, M.O., Oyekanmi, A.A., Aderibigbe, S.G., Okonji, C.J., Ogundaini, O.G., Soremi, P.A.S., Olagunju, S.O. Performance of some selected NERICA rice inoculated with Arbuscular Mycorrhiza Fungi (AMF) under double cropping system in the rainforest transitory zone of Nigeria.
14. 9th National Conference on Organic Agriculture Project in Tertiary Institutions in Nigeria, (11 – 15th November, 2013), Lawal, O.I., Atayese, M.O., Asiedu, R., Oyekanmi, A.A., **Sakariyawo, O.S.**, Adeyemi, O.R., Aderibigbe, S.G. Relative yield performance of organically grown white yam (*Dioscorea rotundata* Poir.) cultivars in yam/sweet potato intercrop in Abeokuta, Nigeria.

15. 9th National Conference on Organic Agriculture Project in Tertiary Institutions in Nigeria, (11 – 15th November, 2013), Aderibigbe, S.G., **Sakariyawo, O.S.**, Soremi, P.A.S. Growth and yield responses of organically grown sweet potato varieties (*Ipomoea batatas*) in the rainforest transitory zone of Nigeria to application rates.
16. 9th National Conference on Organic Agriculture Project in Tertiary Institution in Nigeria, (11 – 15th November, 2013), Soretire, A.A., **Sakariyawo, O.S.**, Aderibigbe, S.G., Otaiku, A.A., Dare, M.O. Nodulation and nitrogen fixation in soybean [*Glycine max.* (L.) Merrill] as influenced by different sources and rates of commercially produced organic fertiliser.
17. International Annual Meeting of American Society of Agronomy (Nov. 2 – 5, 2014), Long Beach, CA, USA. Oyekanmi A. A., **Sakariyawo O. S.**, Aderibigbe S.G., Okeleye K. A., and Okonji, C.J. Effect of Agronomic and Management Practices on the Grain Yield of Lowland Rice (*Oryza sativa* L.) in Rainforest Agro – Ecology of Nigeria.
18. International Annual Meeting of American Society of Agronomy (Nov. 2 – 5, 2014), Long Beach, CA, USA. Oyekanmi A. A., **Sakariyawo O. S.**, Aderibigbe S. G., Okeleye K. A., and Okonji, C.J. Effect of Compost and Nitrogen Fertilizer Rates on Agronomic Performances of Upland NERICA Rice Varieties in Rainforest Agro – Ecology of Nigeria.
19. 10th National Conference on Organic Agriculture Project in Tertiary Institution in Nigeria, (17 – 20th November, 2014), Lawal, I.O., Sanni, S.A., Olaiya, A.O., **Sakariyawo, O.S.** Evaluation of NPK uptake, tuber yield and leaf protein content of organically grown sweet potato (*Ipomoea batatas*) cultivars in Abeokuta, south western Nigeria.
20. 10th National Conference on Organic Agriculture Project in Tertiary Institution in Nigeria, (17 – 20th November, 2014), Soremi, P.A.S., Okeleye, K.A., Olowe, V.I.O., Azeez, J.O., **Sakariyawo, O.S.**, Aderibigbe, S.G. Influence of tillage methods and spacing on the performance of soybean [*Glycine max* (L.) Merrill] varieties in the inland valley, rainforest transitory ecology of Nigeria.
21. 10th National Conference on Organic Agriculture Project in Tertiary Institutions in Nigeria, (17 – 20th November, 2014), Aderibigbe, S.G., **Sakariyawo, O.S.**, Soretire, A.A., Otaiku, A.A., Oyekanmi, A.A., Soremi, P.A.S. Effects of time and rate of application of organo-mineral fertiliser on the performance of open pollinated maize (*Zea mays*) in south western Nigeria.
22. 11th National Conference on Organic Agriculture Project in Tertiary Institutions in Nigeria, (23 – 26th November, 2015), **Sakariyawo, O.S.** Soremi, P.A.S., Aderibigbe, S.G. Growth, development and grain yield responses of lowland rice cultivars to seedling age after transplant.
23. 11th National Conference on Organic Agriculture Project in Tertiary Institutions in Nigeria, (23 – 26th November, 2015), Aderibigbe, S.G., Soretire, A.A., **Sakariyawo, O.S.**, Soremi, P.A.S. Growth and yield responses of selected varieties of sweet potato (*Ipomoea batata* L.) as influence by residual effect of previously applied organic fertilizer rates
24. 12th National Conference on Organic Agriculture Project in Tertiary Institutions in Nigeria, (13 – 17th November, 2016), **Sakariyawo, O.S.**, Adeyemi, O.N., Atayese, M.O., Aderibigbe, S.G. Growth, assimilate partitioning and grain yield response of

soybean (*Glycine max* L. Merrill) varieties to carbon dioxide enrichment and arbuscular mycorrhizal fungi in the humid rainforest.

xviii. Publications

- a) **Ph.D. Dissertation: Sakariyawo, O.S.** (2002). Assimilation of inorganic nitrogen as influenced by water deficit in different cultivars of spring wheat (*Triticum aestivum*). 131 pp.
- b) **M.Sc. Thesis: Sakariyawo, O.S.** (1994). Study of mid ripening high lysine maize (*Zea mays*) hybrid as affected by different plant densities. 80 pp.

i. Journal articles in print

1. **Sakariyawo, S. O.**, Kholodova, V.P., Meshcheryakov A.B. (2001). Proline and water content changes in different cultivars of wheat with different drought resistant capabilities during adaptation to water deficit and at recovery the stage. *Herald of the N.I Lobashevsky Nijniinogorod State University, Biology series*. 57: 89-94. Published by Nijniinogorod Press NNGU. Russia
2. Meshcheryakov, A. B., **Sakariyawo, S. O.**, Kholodova, V.P., Kuznetsov VI. V. (2001). Analysis of nitrate transport kinetic parameters in different cultivars of wheat with different drought resistant capabilities experiencing water stress. *Report of the Academy of Science* 379 (3):423-425. Published by Russian Academy of Science (Nauka) Press, Moscow. Russia
<http://www.ras.ru/scientificactivity/scienceresults/annualreport.aspx>
3. **Sakariyawo, O.S.**, Bizuayehu M., Yehenew, G., Selamawit, A.K. (2009). Post harvest application of calcium and sodium chloride formulations on ripening, shelf life and quality of Banana (*Musa spp.* Cv. Grand naine) under Jimma condition. *Nigerian Journal of Horticultural Science* 14: 83-88. Published by Horticultural Society of Nigeria (HORTSON). <http://dx.doi.org/10.4314/njhs.v14i1.62162>
4. Lawal, O.I., Adebayo, A.G., Shokalu, A.O., **Sakariyawo, O.S.**, Aderibigbe, S.G., Soretire, A.A. (2012). Growth and nutrient uptake of Okra (*Abemoscus esculentus* L. Moench) as influenced by compost mixes on an alfisol in Ibadan south western Nigeria. *Nigerian Journal of Soil Science* 22 (2): 155-162. Published by Soil Science Society of Nigeria. Nigeria.
5. **Sakariyawo, O.S.**, Rodachiskaya, L.V., Yakovlev, E.B, Oyekanmi, A.A. (2013). Effect of different plant population densities on agronomic performance and quality of high-lysine hybrid maize (*Zea mays*) in Krasnodar region of Russia. *Journal of Applied Agricultural Research*. 5(2): 149-159. Published by Agricultural Research Council of Nigeria. Nigeria.
6. **Sakariyawo, O.S.**, Oyekanmi, A.A., Bakare, O.O., Aderibigbe, S.G., Okonji, C.J., Fabunmi, T.O. (2013). Growth and yield responses of NERICA rice varieties to different sources of organic fertiliser in transitory rainforest zone of Nigeria. *Agricultura Tropica et Subtropica*. 46 (2): 43-51. Published by Czech University of Life Sciences (CULS), Prague, Faculty of Tropical AgriSciences. Czech Republic. DOI: <http://doi.org/10.2478/ats-2013-0008>.
7. Atayese, M.O., Olagunju, S.O., **Sakariyawo, O.S.**, Oyekanmi, A.A., Babalola, O.A., Aderibigbe, S.G., Okonji, C.J., Olayiwola, M.O., Soremi, P.A.S., Okeleye, K.A.

- (2013). Root response of some selected rice varieties to soil moisture stress at different phenological stages. *Journal of Agricultural Science and Environment*. 12(2):96-113. Published by FUNAAB. Nigeria.
8. Soretire, A.A., **Sakariyawo**, O.S., Soremi, P.A.S., Aderibigbe, S.G., Olowookere, F.A., Otaiku, A.A., Dare, M.O. (2013). Nodulation and nitrogen fixation in soybean [*Glycine max* (L) Merrill] as influenced by different sources and rates of commercially-produced organic fertiliser. *Journal of Organic Agriculture and Environment*. 1:36-45. Published by OAPTIN. Nigeria.
 9. **Sakariyawo**, O.S., Okeleye, K.A., Dare, M.O., Atayese, M.O., Oyekanmi, A.A., Aderibigbe, S.G., Christopher, J.O., Ogundaini, O.G., Olubode, A.A., Soremi, P.A.S., Adeyemi, O.R. (2014). Performance of some selected NERICA rice inoculated with arbuscular mycorrhiza fungi (AMF) for double cropping in the rainforest transitory zone of Nigeria. *Nigerian Journal of Crop Science*. 2(1):18-25. Published by Crop Science Society of Nigeria. Nigeria.
 10. **Sakariyawo**, O.S. Aderibigbe, S.G., Okeleye, K.A., Oikeh, S.O., Nwilene, F., Ajayi, O., Okonji, C.J., Oyekanmi, A.A. (2014). Agronomic and Physiological responses of lowland rice varieties to mineral nutrition in rainfed inland valley of moist Savanna of Nigeria. *Nigerian Journal of Crop Science*. (2)1:39-45. Published by Crop Science Society of Nigeria. Nigeria.
 11. Okonji, C.J., **Sakariyawo**, O.S., Okeleye, K.A., Oyekanmi, A.A., Aderibigbe, S.G., Soremi, P.A.S., Fajimi, A.A., Awoyode, A.K. (2014). Assessment of short duration cowpea cultivars [*Vigna unguiculata* (L)] for agronomic traits and grain yield in the forest-savanna agro-ecological zone of Nigeria. *Journal of Applied Agricultural Research*. 6 (2):227-233. Published by Agricultural Research Council of Nigeria (ARCN). Nigeria.
 12. **Sakariyawo**, O.S., Aderibigbe, S.G., Soretire, A.A., Oyekanmi, A.A., Soremi, P.A.S., Okonji, C.J., Lawal, I.O. (2014). Growth and yield response of Okra [*Abelmoschus esculentus* (L) Moorish] to sources and rates of commercially produced organic fertiliser in the rainforest transitory zone of Nigeria. *Journal of Applied Agricultural Research*. 6(1):265-273. Published by Agricultural Research Council of Nigeria (ARCN). Nigeria.
 13. **Sakariyawo**, O.S., Soremi, P.A.S., Okeleye, K.A., Olowe, V.I.O., Azeez, J.O., Aderibigbe, S.G., Oyekanmi, A.A. (2014). Responses of upland rice to Tillage, seeding method and spacing in the inland valley of rainforest/savanna transitory zone of Nigeria. *Journal of Agricultural Science and Environment*. 14:58-72. Published by FUNAAB. Nigeria.
 14. **Sakariyawo**, O.S., Olagunju, S.O., Atayese, M.O., Okeleye, K.A., Soremi, P.A.S., Aderibigbe, S.G., Okonji, C.J., Oyekanmi, A.A. (2015). Physiological and yield response of some upland rice varieties to re-watering after imposed soil moisture stress. *Journal of Agricultural Science and Environment*. 15(1):93-111. Published by FUNAAB. Nigeria.
 15. Aderibigbe, S.G., **Sakariyawo**, O.S., Soretire, A.A., Oyekanmi, A.A., Soremi, P.A.S. (2015). Growth and yield responses of open pollinated maize (*Zea mays*) to types and rates of organic fertilisers in rainforest transitory agroecology of Nigeria. *Journal of*

- Agricultural Science and Environment*. 15 (2): 85-94. Published by FUNAAB. Nigeria.
16. **Sakariyawo, O.S.**, Soremi, P.A.S., Okeleye, K.A., Olowe, V.I.O., Azeez, J.O. (2016). Influence of tillage, seeding method and plant density on the performance of NERICA L-42 rice in the inland valley of rainforest/savanna agroecology. *Communication in Biometry and Crop Science*. 11(2):181-191. Published by Warsaw University of Life Sciences. Poland. Indexed by Scimago
 17. Ajayi, E.O., **Sakariyawo, O.S.**, Okeleye, K.A., Ariyo, O.J. (2016). Preliminary evaluation of grain Amaranth (*Amaranthus* spp.) accessions for drought tolerance by multivariate technique. *Agromiskri Glasnik*. 5-6:231-249. Published by Croatian Society of Agronomy, Croatia. <http://hrcak.srce.hr/183226>.
 18. **Sakariyawo O.S.**, Soremi, P.A.S., Okeleye, K.A., Aderibigbe, S.G. (2016) Variation in the performance of contrasting maturity class of cowpea cultivars (*Vigna unguiculata* L. Walp) in the derived Savanna. *Journal of Tropical Agriculture, Food, Environment and Extension*. 15(2): 41-47. Published by Faculty of Agriculture, University of Nigeria, Nsukka, Nigeria. <http://dx.doi.org/10.4314/as.v15i2.6>
 19. **Sakariyawo, O.S.**, Adeyemi, O.N., Atayese, M.O., Aderibigbe, S.G. (2016). Growth, assimilate partitioning and grain yield response of soybean (*Glycine max* L. Merrill) varieties to carbon dioxide enrichment and arbuscular mycorrhizal fungi in the humid rainforest. *Journal of Tropical Agriculture, Food, Environment and Extension*. 15(2): 29-40. Published by Faculty of Agriculture, University of Nigeria, Nsukka, Nigeria. <http://dx.doi.org/10.4314/as.v15i2.6>
 20. **Sakariyawo, O.S.**, Atayese, M.O., Okeleye, K.A., Babalola, A., Adegoke, I., Dare, M., Soremi, P.A.S., Adigbo, S.O. (2017). Yield and its attributes responses of drought tolerant upland NERICA rice to different nutrient supplying treatments in rainforest transitory agroecology. *Acta Agriculturae Slovenica*. 109 (1):15-27. Published by University of Ljubljana Press, Slovenia. DOI: <http://dx.doi.org/10.14720/aas.2017.109.1.02> Indexed by Scimago
 21. Aderibigbe, S.G., **O.S., Sakariyawo, A.A.**, Soretire, P.A.S., Soremi, A.A., Otaiku, A. (2017). Response of hybrid maize (*Zea mays* L.) to application rates and sources of organic fertilisers in the humid rainforest. *Journal of Organic Agriculture and Environment*. 5(1):23-34. Published by OAPTIN. Nigeria.
 22. Adeyemi, N., **Sakariyawo, O.S.**, Atayese, M.O. (2017). Yield and yield attributes responses of Soybean (*Glycine max* L. Merrill) to elevated CO₂ and arbuscular Mycorrhizal fungi inoculation in the humid transitory rainforest. *Notulae Scientia Biologicae*. (9)2:233-241. . Published by the Academy Press Publishing House on behalf of University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania: Romanian Academy of Agricultural and Forestry Sciences; Horticulture and Forestry Society from Transylvania. Romania. DOI: <http://dx.doi.org/10.15835/nsb9210002> Indexed by Scopus
 23. Aderibigbe S.G., **Sakariyawo O.S.**, Kasali A.O. (2017). Performance of maize (*Zea mays*) cultivars as influenced by grade and application rate of organo-mineral fertiliser in a transitory rain forest. *Agrosearch*. 17(2):78-98. Published by Faculty of Agriculture, University of Ilorin, Nigeria. <http://dx.doi.org/10.4314/agrosh.v17i2.7>

24. Soremi, P.A.S., **Sakariyawo, O.S.**, Okeleye, K.A., Olowe, V.I.O., Azeez, J.O., Nwilene, F., Aderibigbe, S.G. (2017). Yield response and economic implication of soybean (*Glycine max* (L.) Merrill)-lowland-upland rice sequential cropping in the rainforest/savanna transitory ecology. *Acta Agriculturae Slovenica*.109 (3):529-543. Published by University of Ljubljana, Slovenia. DOI: <http://dx.doi.org/10.14720/aas.2017.109.3.05> Indexed by Scimago
25. **Sakariyawo, O.S.**, Adesina, G.D., Aderibigbe, S.G. (2017). Molecular characterization of upland Ofada cultivars and NERICA rice for drought tolerance and their genetic relationships. *Nigerian Journal of Biotechnology*. 34: 89-96. Published by Nigerian Society of Biotechnology. Nigeria. <http://dx.doi.org/10.4314/njb.v43i1.12>
26. Fofana, M., **Sakariyawo, O.S.**, Popogbe, M.O., Oyekanmi, A.A., Azeez, J.O., Adegbehinde, F.T. (2018). Physiological and agronomic responses of four rice varieties to drought in the rainforest. *Notulae Scientia Biologicae*. 10 (2): Published by the Academy Press Publishing House on behalf of University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania: Romanian Academy of Agricultural and Forestry Sciences; Horticulture and Forestry Society from Transylvania. Romania. <http://dx.doi.org/10.15835/nsb10210187> Indexed by Scopus
27. ***Sakariyawo, O.S.**, Ogundiran, D., Soremi, P., Aderibigbe, S. (2018). Physiological and agronomic responses of maize (*Zea mays* L.) cultivars to plant population and defoliation at post-anthesis in the humid forest. *Acta Agriculturae Slovenica*. 111 (2): 251-264. Published by University of Ljubljana, Slovenia. Doi:10.14720/aas.2018.111.2.01. Indexed by Scimago
28. *Okonji, C, J., **Sakariyawo, O.S.**, Okeleye, K.A., Osunbiyi, A.G., Ajayi, E.O. (2018). Effects of Arbuscular mycorrhizal fungi inoculation on soil properties and yield of selected rice varieties. *Journal of Agricultural Sciences*. 63 (2): 153-170. Published by the University of Belgrade, Faculty of Agriculture, Republic of Serbia. Doi.org/10.2298/JAS1802153O. Indexed by Scimago
29. *Fabunmi, T.O., **Sakariyawo, O.S.** (2019). Effect of early removal of apical bud and pruning regimes on productivity of pigeon pea [*Cajanus cajan* (L) Mill SP]. *Ife Journal of Agriculture*. 31 (2): 19-33. Published by Faculty of Agriculture, Obafemi Awolowo University, Ile-Ife. Nigeria.
30. ***Sakariyawo, O.S.**, Mogaji, A.A., Adeyemi, N.O., Atayese, M.O., Lawal, I.O. (2019). Performance of maize (*Zea mays* L.) cultivars and community structure of arbuscular mycorrhizal fungi in response to tillage practises and soil amendments in a derived Savanna. *Acta Fytotechnica et Zootechnica*. 22(4): 114-123. Published by Slovak University of Agriculture, Nitra. Slovakia. Doi.org/10.15414/afz.2019.22.04.114-123. Indexed by Scimago
31. *Soretire, A.A., **Sakariyawo, O.S.**, Yewande, O.S., Adesodun, J.K., Akintokun, A.K., Soremi, P.A.S., Aderibigbe, S.G. (2019). Changes in microbial biomass and grain yield of rice varieties in response to alternate wet and dry water regime in the inland valley of a derived Savanna. *Journal of Agricultural Sciences*. 64 (3): 239-253. Published by University of Belgrade. Serbia. Indexed by Scimago

32. *Ajayi, E.O., Okeleye, K.A., Akinfasoye, J.A., **Sakariyawo, O. Suleiman**, Awotide, O. Gbenga, Ariyo, O.C. (2019). Determination of the optimum sowing dates for grain amaranth (*Amaranthus spp.*) accessions in Northern Guinea Savanna agro-ecological zone of Nigeria. *Nigerian Journal of Horticultural Science*. 24(3):80-90. Published by the Horticultural Society of Nigeria.
33. *Olagunju, S.O., **Sakariyawo, O.S.**, Atayese, M.O., Dare, E.O., A.L., Nassir, Adesina E.H. (2020). Analysis of grain yield components of selected upland rice grown in valley bottom soil under rates of foliar ortho-silicate acid fertiliser. *African Crop Science Journal*. 28 (1):79-92. Published by African Crop Science Society. Uganda.
34. Adebanke Olubode, Oluwatosin Babalola, Michael Dare, Nurudeen Olatunbosun Adeyemi, Sunday Aderibigbe, Chris Okonji, **Olalekan Sakariyawo**. (2020). Diversity of indigenous arbuscular mycorrhizal fungi in the rhizosphere of upland rice (*Oryza sativa* L.) varieties in southwest of Nigeria. *Acta Fytotechn Zootechn* 23:4-48
35. ***Sakariyawo, O.S.**, Oyeledun, K.O., Adeyemi, N.O., Atayese, M.O. (2020). Nitrogen use efficiency and performance of maize (*Zea mays* L.) cultivars as influenced by calcium carbide and inorganic nitrogen application rates in a derived Savanna. *Journal of Plant Nutrition*. 43 (4): 1-14. Published by Taylor and Francis. UK. Doi.org/10.1080/01904167.2020. Indexed by Scimago
36. ***Sakariyawo, O.S.**, Oyedeji, O.E., Soretire, A.A. (2020). Effect of iron deficiency on the growth, development and grain yield of some selected upland rice genotypes in the rainforest. *Journal of Plant Nutrition*. 43 (6): 851-863. Taylor and Francis. UK. Doi.org/10.1080/01904167.2020.1711936. Indexed by Scimago
37. *Soretire, A.A., Adeyemi, N.O., Atayese, M.O., **Sakariyawo, O.S.**, Adewunmi, A. (2020). Nodulation and biological nitrogen fixation in soybean (*Glycine max* L.) as influenced by phosphorus fertilisation and arbuscular mycorrhizal inoculation. *Acta Universitatis Sapientiae. Agriculture and Environment*. 12:22-44. Sapienta Hungarian University of Transylvania, Clug-Napoca, Romania. DOI:10.2478/ausae-2020-0003
38. *Olagunju, S.O., Atayese, M.O., **Sakariyawo, O.S.**, Dare, E.O., Nasir, A.L. (2020). Culm morphological traits contributing to lodging resistance in first generation NERICA cultivars under foliar application of orthosilicic acid fertiliser. *Silicon*. 13 (9): 3059-3073. doi.org/10.1007/s12633-020-00652-6. Published by Springer. Germany. Indexed by Scimago
39. *Adeyemi, N.O., Atayese, M.O., **Sakariyawo, O.S.**, Azeez, J.O., Ridwan, M. (2021). Arbuscular mycorrhizal fungi species differentially regulate plant growth, phosphorus uptake and stress tolerance of soybean in lead contaminated soil. *Journal of Plant Nutrition*. 44(11): 1633-1648. Published by Taylor and Francis. UK. Doi.org/10.1080/01904167.2021.1871748. Indexed by Scimago
40. *Adeyemi, N.O., Atayese, M.O., **Sakariyawo, O.S.**, Azeez, J.O., Olubode, A., Ridwan, M., Adebayo, R., Adeoye, S. (2021). Growth a phosphorus uptake in soybean (*Glycine max* L.) in response to *Rhizophagus intraradices* inoculation in

heavy metal-contaminated soils. *Soil and Sediments Contamination*. 30(6):698-713. Published by Taylor and Francis. UK. Doi.org/10.1080/15320383.2021.1887809. Indexed by Scimago

41. *Adeyemi, N.O., Atayese, M.O., **Sakariyawo, O.S.**, Azeez, J.O., Olubode, A.A., Ridwan, M., Adebisi, A., Oni, A., Ibrahim, I. (2021). Influence of different arbuscular mycorrhizal fungi isolates in enhancing growth, phosphorus uptake and grain yield of soybean in a phosphorus deficient soil under field condition. *Communication in Soil Science and Plant Analysis*. 52(10):1171-1183. Published Taylor and Francis. UK. Doi.org/10.1080/00103264.2021.1879117. Indexed by Scimago
42. *Adeyemi, N.O., Atayese, M.O., **Sakariyawo, O.S.**, Azeez, J.O., Sobowale, P.S.A., Olubode, A., Mudathir, R., Adebayo, R., Adeoye, S. (2021). Alleviation of heavy metals stress by arbuscular mycorrhizal symbiosis in *Glycine max* (L.) grown in Copper, Lead and Zinc contaminated soils. *Rhizosphere*. 18:1-8. Elsevier. The Netherlands. Doi.org/10.1016/j.rhisph.2021.100325. Indexed by Scimago.
43. ***Sakariyawo, Olalekan Suleiman**, Danbauchi Gajere Habila, Fofana Mamadou, Busari Mutiu Abolanle, Adeyemi Nurudeen Olatunbosun. (2022). Grain yield and leaf gas exchange in upland NERICA rice under repeated cycles of water deficit at reproductive growth stage. *Agricultural Water Management*. 264:107507. Published by Elsevier.
44. *Solomon, O. Olagunju, Muftau O. Atayese, **Olalekan S. Sakariyawo**, Enoch O. Dare. (2022). Effects of multi-growth stage water deficit and orthosilicic acid fertiliser on lodging resistance of rice cultivars. *Crop and Pasture Science*. 73 (4): 370-389. Published by CSIRO Publishing.
45. ***Olalekan Sakariyawo**, Modupe Hussein, Akeem Oyekanmi, Mamadou Fofana, Oladipupo Azeez. (2022). Growth and yield responses of rice genotypes subjected to water deficit in varied soil types. *Acta Universitatis Agriculturae et Silviculture Mendeliane Bruensis*. 70 (1): 1-12
46. ***Olalekan Sakariyawo**, Soremi Paul Abayomi Sobowale. (2022). Agronomic responses of maize (*Zea mays* L.) hybrids of different maturity classes to variations in split proportion of inorganic nitrogen in a derived Savanna. *Conspec. Sci*. 87 (4):321-330
47. *Solomon O. Olagunju, Olufunmilayo C. Folarin, Esther Adenaike, Adeola L. Nassir, Oladele A.O. Oguntade, Richard O. Olayiwola, **Olalekan S. Sakariyawo**. (2022). Fresh weight of vegetative organs improves grain yield prediction in upland rice under pre-anthesis water deficit. *Plant Physiology Report*. 27 (3): 358-373. Published by Springer.
48. *Bankole, G.O., **Sakariyawo, O.S.**, Odelana, T.B., Aghorunse, A.C., Adejuyigbe, C.O., Azeez, J.O. (2022). Sulfur fraction, distribution and sorption characteristics in some soils of Ogun State, South western Nigeria. *Communication in Soil Science and Plant Analysis*. 53 (15):1887-1902. Published by Taylor and Francis.
49. *Adeyemi, N.O., Atayese, M.O., **Sakariyawo, O.S.**, Azeez, J.O. (2022). Mycorrhizal growth and phosphorus responses of tropical soybean (*Glycine max* L.) cultivars

differ with arbuscular mycorrhizal fungi isolates and phosphorus application rates in a derived Savanna Zone of Nigeria. *Journal of Plant Nutrition*. 45(8):1223-1239. Published by Taylor and Francis.

i. Book chapter

50. Lawal, I.O., Atayese, M.O., Oyekanmi, A.A., Afuape, S.O., Sakariyawo, O.S., Olaiya, A.O., Idowu, O.T.H., Aiyelaagbe, I.O.O. (2015). Nutrient uptake and yield of exotic sweetpotato cultivars under organic soil management system in Abeokuta south western Nigeria. In: Potato and Sweetpotato in Africa: Transforming the value chain for food and nutrition security. J. Low, M. Nyongesa, S. Quinn and M. Parker (ed.) 426-432. Nosworthy way, Wallingford Oxfordshire OX 10 8DE UK. : Published by CABI.
51. Adeyemi, N.O., **Sakariyawo, O.S.**, Soremi, P.A.S., Atayese, M.O. (2022). Phytoremediation using arbuscular mycorrhizal fungi. In P. Sharma, A. Pandey, Y.W. Tong, H.H. Ngo (Eds.). Current developments in Biotechnology and Bioengineering (pp 73-92). Published by Elsevier. ISBN: 9780323999076. DOI: 10.1026/8978-0-323-99907-6.0016-5