

Surname : SALAKO
First name : Kolawolé Valère

List of scientific publications

Peer review journal papers

In Journals with Impact Factor

1. Agbani P.O., Kafoutchoni K.M., **Salako K.V.**, Gbedomon R.C., Kégbé A.M., Karen H., Sinsin B. 2018. Traditional ecological knowledge based assessment of threatened woody species and their potential substitutes in the Atakora mountain chain, a threatened hotspot of biodiversity in Northwestern Benin, West Africa. *Journal of Ethnobiology and Ethnomedicine*. <https://doi.org/10.1186/s13002-018-0219-6>
2. Mensah S., **Salako V.K.**, Assogbadjo A.E., Glèlè Kakaï R. 2018. Differential Responses of Taxonomic, Structural, and Functional Diversity to Local-Scale Environmental Variation in Afromontane Forests in South Africa. *Tropical Conservation Science* 11: 1–13. <https://doi.org/10.1177/1940082918762372>
3. Rashid N., Gbedomon R.C., Ahmad M., **Salako V.K.**, Zafar M., Malik K. 2018. Traditional knowledge on herbal drinks among indigenous communities in Azad Jammu and Kashmir, Pakistan. *Journal of Ethnobiology and Ethnomedicine* 14:16 <https://doi.org/10.1186/s13002-018-0217-8>
4. **Salako V.K.**, Kénou C., Dainou K., Assogbadjo A.E., Glèlè Kakaï R. 2018. Impacts of land use types on spatial patterns and neighbourhood distance of the agroforestry palm *Borassus aethiopum* Mart. in two climatic regions in Benin, West Africa. *Agroforestry Systems*, (In press), 1-15. [10.1007/s10457-018-0205-y](https://doi.org/10.1007/s10457-018-0205-y)
5. Gbedomon R.C., **Salako V.K.**, Fandohan A.B., Idohou R., Glèlè Kakaï R., Assogbadjo A.E. 2017. Functional diversity of home gardens and their agro-biodiversity conservation benefits in Benin, West-Africa. *Journal of Ethnobiology and Ethnomedicine* 13(1):66
6. Goudégnon E.O.A., Vodouhé F.G., Gouwakinnou G.N., **Salako V.K.**, Oumorou M. 2017. Ethnic and generational differences in traditional knowledge and cultural importance of *Lannea microcarpa* Engl. & K. Krause, in the sudanian savannah of Benin. *Bois et Forêts des Tropiques* 334(4): 5-15.
7. Padonou E.A., Tovissodé F.C., Idohou R., **Salako V.K.**, Fantondji L., Vihotogbé R., Fandohan B., Assogbadjo A.E. 2017. Pilot assessment of locally acknowledged morphotypes of *Irvingia gabonensis* (Aubry-Lecomte) Baill in the Southwestern Benin (West Africa). *Fruits* 72(5), 306–316.
8. Gbedomon R.C., **Salako V.K.**, Adomou A., Glèlè Kakaï R., Assogbadjo A.E. 2017. Plants in traditional home gardens: richness, composition, conservation and implications for native biodiversity in Benin. *Biodiversity and Conservation*. DOI 10.1007/s10531-017-1407-8.
9. Assogba G.A., Fandohan A.B., **Salako V.K.**, Assogbadjo A.E. 2017. Ethnobotanique de *Bombax costatum* (Malvaceae) dans les terroirs riverains de la Réserve de Biosphère de la Pendjari, Bénin. *Bois et Forêts des Tropiques*, 333 (3) : 17-29.
10. **Salako V.K.**, Houéhanou T.T., Yessoufou K., Assogbadjo A.E., Akoègninou A., Glèlè Kakaï R.L. 2017. Patterns of elephant utilization of *Borassus aethiopum* Mart. and its stand structure in the Pendjari National Park, Benin, West Africa. *Tropical Ecology*, 58(2): 425–437.
11. Houndonougbo J.S.H., **Salako V.K.**, Idohou R., Azihou F.A., Assogbadjo A.E., Glèlè Kakaï R. 2017. Local perceptions of elephant-*Borassus aethiopum* Mart (Arecaceae) interactions in the Pendjari National Park in Benin. *Bois et Forêts des Tropiques* 331: 33-43.
12. Gandji K., **Salako V.K.**, Assogbadjo A.E., Orekan V.O.A., Glèlè Kakaï R.L., Sinsin B. 2017. Evaluation of the sustainability of participatory management of forest plantations: The Case study of the Wari-Marô Forest Reserve, Benin (West Africa). *Southern Forests: a Journal of Forest Science*: 79(2): 133–142.
13. Gbedomon R.C., Assogbadjo A.E., **Salako V.K.**, Fandohan A.B., Glèlè kakaï R. 2016. Exploring the spatial configurations of home gardens in Benin. *Scientia Horticulturae* 213: 13–23.
14. Agbahoungba S., Assogbadjo A.E., Chadare F.J., Idohou R., **Salako V.K.**, Agoyi E.E., Glèlè Kakaï R.L. 2016. Ecological diversity and conservation of Wild Edible Fruit Trees species in the Lama Forest Reserve in Benin (West Africa). *Bois et Forêts des Tropiques* 329: 53-65.

15. Gbedomon, R.C., Floquet A., Mongbo R., **Salako V.K.**, Fandohan A.B., Assogbadjo A.E., Glèlè Kakai R. 2016. Socio-economic and ecological outcomes of community based forest management: A case study from Tobé-Kpobidon forest in Benin, Western Africa. *Forest Policy and Economics* 64:46-55.
16. Mensah S., Assogbadjo A., **Salako V.K.**, Ago E., Glèlè Kakai R. 2016. Accounting for tree spatial distribution in a comparison of plot sizes and shapes in dense forest and woodland in Benin (West Africa)". *African Journal of Ecology* 54: 87–94.
17. **Salako V.K.**, Assogbadjo A.E., Adomou A.C., Agbangla C., Glèlè Kakai R.L. 2015. Latitudinal distribution, co-occurring tree species and structural diversity of the threatened palm *Borassus aethiopum* (Arecaceae) in Benin, West-Africa. *Plant Ecology and Evolution* 148 (3): 335–349.
18. **Salako V.K.**, Azihou A.F., Assogbadjo A.E., Houéhanou T.T., Kassa B.D., Glèlè Kakai R.L. 2015. Elephant-induced damage drives spatial isolation of the dioecious palm *Borassus aethiopum* Mart. (Arecaceae) in the Pendjari National Park, Benin. *African Journal of Ecology*. 54 (1): 9-19.
19. Gbedomon R.C., Fandohan A.B., **Salako V.K.**, Idohou A.F.R., Glèlè Kakai R., Assogbadjo A.E. 2015. Factors affecting home gardens ownership, diversity and structure: A case study from Benin. *Journal of Ethnomedicine and Ethnobiology* 11:56.
20. Gnonlonfoun I., Glèlè Kakai R., **Salako V.K.**, Assogbadjo A.E., Ouédraogo A. 2015. Structural analysis of regeneration in tropical dense forest: combined effect of plot and spatial distribution patterns. *Acta Botanica Gallica*. **162 (1)**: 79-87.
21. Tovissodé F.C., Honfo H.S., **Salako V.K.**, Gnanglè C.P., Mensah S., Glèlè Kakai R. 2015. Population structure of two bamboo species in relation to topographical units in the Republic of Benin (West Africa): implications for sustainable management. *Acta Botanica Gallica*. **162 (1)**: 89-96.
22. **Salako V.K.**, Fandohan B., Assogbadjo A.E., Idohou F.A.R., Gbedomon R.C., Chakeredza S., Dulllo M.E., Glèlè Kakai R. 2014. Home gardens: An assessment of their biodiversity and potential contribution to conservation of threatened species and crop wild relatives in Benin. *Genetic Resources and Crop Evolution* **61**: 313–330.
23. **Salako V.K.**, Glèlè Kakai R., Assogbadjo A.E., Fandohan B., Houinato M., Palm R. 2013. Efficiency of inventory plots patterns in the quantitative analysis of vegetation: case study of tropical woodland and dense forest in Benin. *Southern forests* **75 (3)**: 137–143.
24. Houéto G., Glèlè Kakai R., **Salako V.K.**, Fandohan B., Assogbadjo A.E., Sinsin B., Palm R. 2013. Effect of inventory plot patterns in the floristic analysis of tropical woodland and dense forest. *African Journal of Ecology* **52**: 257–264.
25. Houéto G., Fandohan B., Ouédraogo A., Ago E., **Salako V.K.**, Assogbadjo A.E., Glèlè Kakai R., Sinsin B. 2012. Floristic and dendrometric analysis of woodlands in the Sudano-Guinean zone: a case study of Belléfoungou forest reserve in Benin. *Acta Botanica Gallica* **159 (4)**: 387–394.
26. Fandohan B., Assogbadjo A.E., **Salako V.K.**, Van Damme P., Sinsin B. 2012. Which one comes first, the tamarind or the *Macrotermes termitarium*? *Acta Botanica Gallica* **159 (3)**: 345–355.

In Journals without impact factor

27. Gandji K., Chadare F.J., Idohou R., **Salako V.K.**, Glèlè Kakai R.L. 2018. Status and utilization of *Moringa oleifera* Lam: a review. *African Crop Science Journal* 26 (1):137 – 156. <http://dx.doi.org/10.4314/acsj.v26i1.10>
28. Savi M.K., Noumonvi R., Chadare F.J., Daïnou K., **Salako V.K.**, Idohou R., Assogbadjo A.E., Glèlè Kakai R. 2018. Synergy between traditional knowledge of use and tree population structure for sustainability of *Cola nitida* (Vent.) Schott. & Endl in Benin (West Africa). *Environment Development and Sustainability* <https://doi.org/10.1007/s10668-018-0091-5>
29. Assogbadjo A.E., Idohou R., Chadare F.J., **Salako V.K.**, Djagoun C.A.M.S., Akouehou G., Mbairamadji J. 2017. Diversity and prioritization of non-timber forest products for economic valuation in Benin (West Africa). *African Journal of Rural Development*, 2(1):105-115.
30. Gbedomon R.C., **Salako V.K.**, Chadare F.J., Glèlè Kakai R., Assogbadjo A.E. 2016. Gendered motivation for home gardening and maintenance of agrobiodiversity: a case study in Benin, West Africa. *Annales des sciences agronomiques* 20 (2): 93-106.

31. Akpona J.D.T., Idohou A.F.R., Assogbadjo A., **Salako K.V.**, Glèlè Kakaï R. 2016. History and Impact of Soil Types on Stand Structure and Growth of the Dry Zone Mahogany (*Khaya senegalensis* (Desr.) A. Juss.) in Plantation in Benin (West Africa). *Environment and Ecology Research*, 4(4), 193-199.
32. Glèlè Kakaï R., **Salako V.K.**, Padonou E.A., Lykke A.M. 2016. Méthodes statistiques multivariées utilisées en écologie. *Annales des Sciences Agronomiques* 20: 139-157.
33. Glèlè Kakaï R., **Salako V.K.**, Lykke A.M. 2016. Techniques d'échantillonnage en étude de végétation. *Annales des Sciences Agronomiques* 20: 1-13.
34. Camara M., Gbemavo C.D.S.J., **Salako V.K.**, Kouamé F.N., Sambou B., Glèlè Kakaï R.L. 2016. Woody plant species diversity in the last wild habitat of the Derby Eland (*Taurotragus derbianus derbianus* Gray, 1847) in Niokolo Koba National Park, Senegal, West Africa. *International Journal of Biodiversity and Conservation* 8(2): 32-40.
35. Amagnidé A.G., **Salako V.K.**, Donou Hounsodé M., Sinsin F., Orékan V., Dan C., Glèlè Kakaï R. 2015. Ecological consequences of anthropogenic pressure in Wari-Marou Forest Reserve (Benin, West Africa). *Journal of Agriculture and Environment for International Development* 109 (2): 271-289.
36. Fandohan A.B., **Salako V.K.**, Assogbadjo A.E., Diallo B.O., Van Damme P., Sinsin B. 2015. Effect of climatic conditions on flowering and fruiting of *Tamarindus indica* (Fabaceae). *Journal of Horticulture and Forestry* 7(8): 186-192.
37. Honfo H., Tovissodé F.C., Gnanglè C., Mensah S., **Salako V.K.**, Assogbadjo A.E., Glèlè Kakaï R. 2015. Traditional knowledge and use value of bamboos in south-eastern Benin: implications for their sustainable management. *Ethnobotany Research and Applications* 14: 139-153.
38. Idohou R., Fandohan B., **Salako V.K.**, Kassa B., Gbèdomon R.C., Yédomonhan H., Glèlè Kakaï R.L. Assogbadjo A.E. 2014. Biodiversity conservation in home gardens: traditional knowledge, use patterns and implications for management. *International Journal of Biodiversity Science, Ecosystem Services & Management* 10 (2): 89 – 100.
39. **Salako V.K.**, Adebajji A., Glèlè Kakaï R. 2013. On The Empirical Performance Of Non-Metric Multidimensional Scaling In Vegetation Studies. *International Journal of Applied Mathematics and Statistics* 36 (6): 54-67.

Report and degree theses

1. **Salako K.V. 2017.** Empirical assessment of the effect of serial auto-correlation on Stochastic Life Table Response Experiment (SLTRE) estimates: application to the demography of *Khaya senegalensis*. M.Sc. dissertation in Biostatistics, Faculty of Agronomic Sciences, University of Abomey-Calavi (FSA/UAC), Abomey-Calavi, Benin. 62 pages.
2. **Salako K.V. 2016.** Population ecology, pattern of uses and conservation of the dioecious palm tree *Borassus aethiopum* Mart. (Arecaceae) in Benin, West Africa. PhD dissertation in Plant Ecology and Conservation, Faculty of Sciences and Techniques, University of Abomey-Calavi (FAST/UAC), Abomey-Calavi, Benin. 232 pages.
3. **Salako K.V. 2012.** Relative performance of non-metric multidimensional scaling in vegetation studies: application to the Lama Forest Reserve (Benin). Master thesis dissertation. Faculty of Agronomic Sciences, University of Abomey-Calavi (FSA/UAC), Abomey-Calavi, Benin, 37 pages.
4. **Salako K.V. 2011.** Efficiency of shapes, sizes and directions of inventoried plots in the structural analysis of the vegetation in dense forest: case study of the lama forest reserve (Southern Benin). Agronomist Engineer Degree dissertation. Faculty of Agronomic Sciences, University of Abomey-Calavi (FSA/UAC), Abomey-Calavi, Benin, 72 pages.

Abstracts in conference proceedings

1. **Salako V.K.**, Vihotogbé R., Assogbadjo A.E., Glèlè Kakaï R. 2016. Predicting the potential impact of climate change on the declining agroforestry species *Borassus aethiopum* Mart. in Benin: a mixture of geostatistical and environment suitability modeling. Second Humboldt Kolleg of Benin – Ouidah, Republic of Benin, 5-7 December 2016.

2. **Salako V.K.**, Glèlè Kakaï R. 2016. Statistical modelling using decision tree models: principle and applications in biological sciences. Week of science and technology of the University of Abomey-Calavi, Cotonou, Benin. 21 - 25 March 2016.
3. **Salako V.K.**, Glèlè Kakaï R. 2015. An assessment of African elephant (*Loxodonta africana*) interactions with the palm species *Borassus aethiopum* Mart. in the Pendjari National Park. Proceedings of the 27th International Congress for Conservation Biology and 4th European Congress for Conservation Biology, August 2 – 6. Montpellier, France.
4. **Salako V.K.**, Glèlè Kakaï R. 2015. Stand-level spatial analysis of elephants-induced damages predicts spatial isolation in the dioecious palm *Borassus aethiopum* Mart. (Arecaceae) in the Pendjari National Park. Proceedings of the Tropical Biology Association Alumni Group (TAAG) conference, 9-12 June 2015. Accra, Ghana.
5. **Salako V.K.**, Houéhanou T., Yessoufou K., Akoègninou A., Assogbadjo A.E., Glèlè Kakaï R.L. (2014). Impact of elephants (*Loxodonta africana*) pressure on the functional diversity of *Borassus aethiopum* (Arecaceae) in the Pendjari National Park, Benin. Livre des résumés de la 16^{ème} édition des Journées Scientifiques Internationales de Lomé, 20-25 Octobre 2014. Lomé, Togo.
6. **Salako V.K.**, Kénou C., Thierry H., Assogbadjo A., Glèlè Kakaï R. 2014. Impact of traditional agroforestry systems practices on conservation effectiveness of Non-Timber Forest Products (NTFPs) providing-Trees: case study of *Borassus aethiopum* Mart. (Arecaceae) in Benin. In Parrotta J.A., Moser C.F., Scherzer A.J., Koerth N.E., Lederle D.R. (Editors), Sustaining Forests, Sustaining People: The Role of Research. XXIVth IUFRO World Congress, 5-11 October 2014, Salt Lake City, USA. International Forestry Review 16(5): 66.
7. **Salako V.K.**, Assogbadjo A., Glèlè Kakaï R. 2014. Proceedings of the First Conference of the national network of researchers on neglected and underutilized species (NUS). University of Abomey-Calavi, Abomey-Calavi, Benin. Presentation on: “Abundance and ecology of the threatened, neglected and underutilized palm species *Borassus aethiopum* Mart. in Benin”. 27-28th February 2014.
8. **Salako V.K.**, Fandohan B., Assogbadjo A.E., Chakeredza S., Dullo M.E., Glèlè Kakaï R.L. 2013. Home gardens: An assessment of their biodiversity and potential contribution to conservation of threatened species and crop wild relatives in Benin. Proceedings of the 14th Students Conference on Conservation Science (SCCS-2013), University of Cambridge, 19-21st March 2013. Cambridge, UK.
9. **Salako V.K.**, Glèlè Kakaï R.L. 2013. Relative performance of non-metric multidimensional scaling in vegetation studies: case study of the Lama Forest Reserve (Benin). Proceedings of the 2nd Conference on Statistics Applied to Development in Africa (SADA), ISBA, University of Abomey-Calavi, 5-8th March 2013, Cotonou, Benin.
10. **Salako V.K.**, Glèlè Kakaï R.L. 2013. Utilisation des méthodes multivariées et de rééchantillonnage pour l'estimation de l'erreur de caractérisation floristique de la végétation en forêt dense. Proceedings of the 2nd Conference on Statistics Applied to Development in Africa (SADA), ISBA, University of Abomey-Calavi, 5-8th March 2013, Cotonou, Benin.
11. **Salako V.K.**, Glèlè Kakaï R.L. 2012. Efficiency of inventory plots patterns in the structural analysis of woody vegetation: a dense semi-deciduous' study case for Benin”. Livre des résumés de la 15^{ème} Edition des Journées Scientifiques Internationales de Lomé, Université de Lomé, 22-26th October 2012, Lomé, Togo.
12. **Salako V.K.**, Glèlè Kakaï R.L. 2012. Relative performance of non-metric multidimensional scaling in vegetation studies: application to the lama forest reserve (Benin). Livre des résumés de la 15^{ème} Edition des Journées Scientifiques Internationales de Lomé, Université de Lomé, 22-26th October 2012, Lomé, Togo.