

## LIST OF PUBLICATIONS

### Books

1. Glèlè Kakaï R. (2010). *Règles de classement et taux d'erreur en analyse discriminante*. Edition Européenne Universitaire, Allemagne, 237p.
2. Glèlè Kakaï R., Sodjinou E., Fonton H. N. (2006). *Conditions d'application des méthodes statistiques paramétriques*. Bibliothèque Nationale, Bénin, 106 p.
3. Glèlè Kakaï R., Palm R., Kokode G. (2005). *L'analyse discriminante décisionnelle : aspects théoriques et applications sur ordinateur*. Bibliothèque Nationale, Bénin, 64 p.
4. Glèlè Kakaï R., Kokode G. (2004). *Techniques statistiques univariées et multivariées : applications sur ordinateurs*. Bibliothèque Nationale, Bénin, 67 p.

### Scientific papers (Total=238)

- ResearchGate score = 37.44
- H-Index (Google Scholar) = 33, Number of citations: 3505 (January 10, 2022)
- 4 books
- 238 scientific articles
- Many scientific communications.

### Livres

1. **Glele Kakaï R.** (2010). Règles de classement et taux d'erreur en analyse discriminante. E.E.U., Allemagne.
2. **Glele Kakaï R.**, Sodjinou E., Fonton H. N. (2006). Conditions d'application des méthodes statistiques paramétriques. Bibliothèque Nationale, Bénin.
3. **Glele Kakaï R.**, Palm R., Kokode G. (2005). L'analyse discriminante décisionnelle : aspects théoriques et applications sur ordinateur. Bibliothèque Nationale, Bénin.
4. **Glele Kakaï R.**, Kokode G. (2004). Techniques statistiques univariées et multivariées : applications sur ordinateurs. Bibliothèque Nationale, Bénin.

### Scientific papers

#### 2022

238. F.J. Chadare, M. Affonfere, E. Sacla Aide, F.K. Fassinou, K.V. Salako, K. Pereko, B. Deme, P. Failler, **R. Glèlè Kakaï**, A.E. Assogbadjo (2022). Current state of nutrition in West Africa and projections to 2030. *Global Food Security* 32 (2022). 100602.

#### 2021

237. G. Hounsou-Dindin, R. Idohou, M. T. Donou Hounsode, A. C. Adomou, A. E. Assogbadjo, Romain Glèlè Kakaï (2021). Effects of seed provenance, pre-treatment and mass on germinability and seedling growth of *Balanites aegyptiaca* (L.) Delile and *Ricinodendron heudelotii* (Bail.) Pierre in Benin (West Africa). *Heliyon*, 7(12), E08540. DOI: <https://doi.org/10.1016/j.heliyon.2021.e08540>.
236. B. E. J. Assogbadjo, A. Hounkpevi, Y. S. S. Barima, G. C. Akabassi, E. A. Padonou, Y. C. S., A. E. Assogbadjo, **R. Glèlè Kakaï** (2021). Diversité et état de conservation des

- espèces ligneuses alimentaires à la périphérie de la Forêt Classée de la Lama (Bénin). *Int. J. Biol. Chem. Sci.* 15(6): 2456-2474.
235. G. Hounsou-Dindin, R. C. Gbedomon, K. V. Salako, A. C. Adomou, A. Assogbadjo, **R. Glèlè Kakaï** (2021). Use and socio-economic values of *Ricinodendron heudelotii* (Bail.) Pierre, a wild oil species in Benin. *International Journal of Biodiversity and Conservation*, 14(1), 14-25. DOI: 10.5897/IJBC2021.1526.
234. M. G. S. Zanvo, Y. S. S. Barima, K. V. Salako, K. A. N. Koua, M. A. Kolawole, A. E. Assogbadjo, **R. Glèlè Kakaï** (2021). Mapping spatio-temporal changes in mangroves cover and projection in 2050 of their future state in Benin. *Bois et Forêts des Tropiques*, 350 : 29-42. Doi : <https://doi.org/10.19182/bft2021.350.a36828>
233. J A Atanasso1, K V Salako, S Mensah, R J Tohoun, B A Djossa, **R Glèlè Kakaï**, A E Assogbadjo (2021). Spatial distribution patterns of *Afzelia africana* (Fabaceae – Detarioideae) in a tropical savanna of Benin: implications for management. *Plant Ecology and Evolution* 154(3): 362–375. <https://doi.org/10.5091/plecevo.2021.1713>.
232. R M. Aguégué, S A. Assogba, H A. A. Salami1, A D. Koda, N A. Agbodjato, O Amogou1, H Sina, K. V Salako, N R. Ahoyo Adjovi, G Dagbénonbakin, **R Glèlè Kakaï**, A Adjanohoun, L Baba-Moussa (2021). Organic Fertilizer Based on *Rhizophagus intraradices*: Valorization in a Farming Environment for Maize in the South, Center and North of Benin. *Front. Sustain. Food Syst.* 5: 605610. doi: 10.3389/fsufs.2021.605610.
231. Tchandao Magamana E., **Glèlè Kakaï R.**, Qannary E. M. (2021). A general strategy for setting up supervised methods of multiblock data analysis. *Chemometrics and Intelligent Laboratory Systems*. 217(15). 104388. <https://doi.org/10.1016/j.chemolab.2021.104388>.
230. Odounharo R. G. O., Gnansounou S. C., Salako K. V., Idohou R., Mensah G. A., **Glèlè Kakaï R.**, Assogbadjo A. E. (2021). Medicinal use patterns of *Parkia biglobosa* (Jacq.) Benth. and *Vitellaria paradoxa* (Gaertn. F), two important traditional agroforestry species in Benin, West-Africa. *Advances in Traditional Medicine*. DOI: 10.1007/s13596-021-00583-6.
229. Sinsin Corine B. L., Salako K. V., Fandohan A. B., Zanvo M. G. S., Kouassi K. E., **Glèlè Kakaï R.** (2021). Pattern of seedling emergence and early growth in *Avicennia germinans* and *Rhizophora racemosa* along an experimental salinity gradient. *African Journal of ecology*. DOI: 10.1111/aje.12889.
228. Atanasso J. A., Mensah S., Salako KV, Tohoun R J., **Glèlè Kakaï R.**, Assogbadjo AE (2021). Factors affecting survival of seedling of *Afzelia africana*, a threatened tropical timber species in West Africa. *Tropical Ecology* DOI: 10.1007/s42965-021-00160-7.
227. Kouato O. G., Houndonougbo V. P., Orounladi B. M., Chabi Adjobo M. A., **Glèlè Kakaï R.** (2021). Comparative analysis of quantitative phenotypic parameters of Djallonke and hybrid (Djallonke × Sahelian) goats in Benin. *Journal of Animal & Plant Sciences* 47(2): 8472-8483.
226. Lokonon B.E., Sodoté F E., Simbo D., **Glèlè Kakaï R.** (2021). Use of local knowledge for contributing to the conservation of *Caesalpinia bonduc* (L.) Roxb in southern Benin (West Africa). *Global Ecology and Conservation*, 27, e01551. DOI: 10.1016/j.gecco.2021.e01551.
225. Dayou, E. D., Zokpodo, K. L. B., Atidegla, C. S., Dahou, M. N., Ajav, E. A., Bamgboye, A. I., & **Glèlè Kakaï, R.** (2021). Analysis of the use of tractors in different poles of agricultural development in Benin Republic. *Heliyon*, 7(2), e06145.
224. Dayou, E.D., Zokpodo, K.L.B., Dahou, N.M., Bamgboye, A.I., Ajav, E.A. & **Glèlè Kakaï, R.** (2021). Overview of the use of pre-harvest equipment and typology of tractor users in benin republic. *Annales des sciences agronomiques*, Vol 24-2: 109-119,

223. Sabo P., Ouédraogo A., Gbemavo D. S. J. C., Salako K. V., **Glèlè Kakaï R.** (2021). Land use impacts on *Boswellia dalzielii* Hutch., an African frankincense tree in Burkina Faso. *Bois et Forêts des Tropiques*, 349: 51- 63.
222. Wabi, M.A., Vanhove, W., Idohou, R., Hounkpèvi, H., **Glèlè Kakaï, R.** & Van Damme, P. (2021). Risques agro-météorologiques et production du riz pluvial (*Oryza* spp.) au Bénin (Afrique de l’Ouest). *Sciences de la vie, de la terre et agronomie*, 9(2).
221. Aguégué, M.R., Ahoyo Adjovi, N.R., Agbodjato, N.A., Noumavo, P.A., Assogba, S., Salami, H., Salako, V.K., Ramón, R., Baba-Moussa, F., Adjanohoun, A. and **Glele Kakaï, R.** (2021). Efficacy of Native Strains of Arbuscular Mycorrhizal Fungi on Maize Productivity on Ferralitic Soil in Benin. *Agricultural Research*, pp.1-15.
220. Sinsin, C.B.L., Salako, K.V., Fandohan, A.B., Kouassi E.K., Sinsin B.A., **Glèlè Kakaï, R.** (2021). Potential climate change induced modifications in mangrove ecosystems: a case study in Benin, West Africa. *Environ Dev Sustain* (2021). <https://doi.org/10.1007/s10668-021-01639-y>
219. Amogou, O., P. Noumavo, A., A. Agbodjato, N., Sina, H., Dagbénonbakin, G., Y. Adoko, M., K. Salako, V., **Glèlè Kakaï, R.**, Adjanohoun, A., and Baba-Moussa, L. (2021). Rhizobacterial inoculation in combination with mineral fertilizer improves maize growth and yield in poor ferruginous soil in center of Benin. *BioTechnologia*, 102(2),
218. Lokossou R.S., Akouèhou G.S., Akponikpè I.P.B., Davakan R., **Glèlè Kakaï R.**, Ganglo J. (2021). Integrated Soil Fertility Management to Address Food Security and Enhance Forest Ecosystems Sustainability in “Trois Rivières” Forest Reserves (Benin, West Africa). In: Ksibi M. et al. (eds) Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions (2nd Edition). EMCEI 2019. *Environmental Science and Engineering*. Springer, Cham. [https://doi.org/10.1007/978-3-030-51210-1\\_189](https://doi.org/10.1007/978-3-030-51210-1_189).
217. Gnansounou, C.S., Toyi, M., Salako, K.V., Ahossou, D.O., Akpona T.J., Gbedomon, R.C., and **Glèlè Kakaï, R.** (2021). Local uses of mangrove and perceived impacts of their degradation in Grand-Popo Municipality, a hotspot of mangrove in Benin, West Africa.” *Trees, Forests and People*, 4: 100080. DOI: **10.1016/j.tfp.2021.100080**.
216. Zanzo, M.S., Salako, K.V., Gnanglè, C., Mensah, S., Assogbadjo, A.E. and **Glèlè Kakaï, R.** (2021). Impacts of harvesting intensity on tree taxonomic diversity, structural diversity, population structure, and stability in a West African mangrove forest. *Wetlands Ecology and Management* 29: 433–450.
215. Tovissodé, C. F., Diop, A., & Glèlè Kakaï, R. (2021). Inference in skew generalized t-link models for clustered binary outcome via a parameter-expanded EM algorithm. *Plos one*, 16(4), e0249604.
214. Tovissodé C.F., Doumatè J.T., **Glèlè Kakaï R.** (2021). A Hybrid Modeling Technique of Epidemic Outbreaks with Application to COVID-19 Dynamics in West Africa. *Biology*, 10, 365. <https://doi.org/10.3390/biology10050365>.
213. Lokonon, B. E., Sodoté, F. E., Simbo, D., & **Glèlè Kakaï, R.** (2021). Use of local knowledge for contributing to the conservation of *Caesalpinia bonduc* (L.) Roxb in southern Benin (West Africa). *Global Ecology and Conservation*, e01551.
212. Gnanvi J., Salako V. K., Kotanmi B., **Glèlè Kakaï R.** (2021). On the reliability of predictions on Covid-19 dynamics: a systematic and critical review of modelling techniques. *Infectious disease modeling*, 6: 258-272.
211. Tovissodé, C.F., Honfo, S.H. and Doumatè, J.T., **Glèlè Kakaï, R.** (2021). On the Discretization of Continuous Probability Distributions Using a Probabilistic Rounding Mechanism. *Mathematics*, 555 (9). <https://doi.org/10.3390/math9050555>.
210. Dayou ED, Zokpodo KLB, Montcho M., **Glèlè Kakaï R.** (2021). Design, fabrication and assessment of direct seeder in Benin Republic. *AgricEngInt: CIGR Journal* 23(1): 138:137.

209. Dayou, E. D., Zokpodo, B. K. L., Dahou, N. M., Atidegla, C. S., Ajav, E. A., Bamgboye, I. A., & **Glèlè Kakai, R.** (2021). Current status of agricultural cooperatives among the various users of agricultural machinery in Benin Republic. *Bulletin de la Recherche Agronomique du Bénin (BRAB)*, 30(1).

## 2020

208. Lokonon B. E., Djibril-Moussa Freedath, Diouf Saliou, **Glèlè Kakai R.** (2020). Empirical performance of estimation methods in Beta mixed models with application to ecological data. *Afrika Statistika*, 15(2): 2279 - 2293.
207. Honfo S., Taboe Beaugard H., **Glèlè Kakai R.** (2020). Modeling COVID-19 dynamics in the sixteen West African countries. MedRxiv. DOI: 10.1101/2020.09.04.20188532.
206. Tovissode F., Lokonon B., **Glèlè Kakai R.** (2020). On the use of growth models to understand epidemic outbreaks with application to COVID-19 data. *PLoS One*, 15(10): e0240578
205. Taboe H. B., Salako K. V., Tison J., Ngonghala C.N, Glèlè Kakai R. (2020). Predicting COVID-19 spread in the face of control measures in West-Africa. *Mathematical biosciences*, 328, 108431; DOI: 10.1016/j.mbs.2020.108431.
204. Lokonon B. E., Senou M., **Glèlè Kakai R.** (2020). Effect of misspecification of random effects distribution on the performance of parameters estimation methods in binary logistic mixed models. *Afrika Statistika* 15(1): 2247-2262.
203. Lokonon B., **Glele Kakai R.** (2020). Empirical assessment of the performance of four estimation methods in Generalized linear mixed models with binary outcomes. *International Journal of Mathematics and Statistics*, 21(2): 40-56.
202. Hounmenou, C. G., Gneyou, K. E., & **Glèlè Kakai, R.** (2020). An Extension of the Quadratic Error Function for Learning Imprecise Data in Multivariate Nonlinear Regression. *Journal of Probability and Statistics*. DOI.10.1155/2020/9187503.
201. Mensah S., Noulekoun F., Dimobe K., Atanasso J., Salako V. K., Assogbadjo A., **Glèlè Kakai R.** (2020). Revisiting biotic and abiotic drivers of seedling establishment, natural enemies and survival in a tropical tree species in a West Africa semi-arid biosphere reserve. *Journal of environmental management* 276, 111268.
200. Helmstetter, A. J., Amoussou, B. E., Bethune, K., Kandem, N. G., **Glèlè Kakai R.**, Sonké, B., & Couvreur, T. L.(2020). Phylogenomic approaches reveal how climate shapes patterns of genetic diversity in an African rain forest tree species. *Molecular Ecology*. DOI. 10.1111/mec.15572.
199. Adjonou K., Issa A-K B., Kossi N. S., Idohou R., Salako K. V., **Glèlè Kakai R.** and Kokou K. (2020). Land use/land cover patterns and challenges to sustainable management of the Mono transboundary biosphere reserve between Togo and Benin, West Africa. *Int. J. Biol. Chem. Sci.* 14(5): 1734-1751.
198. Dayou, E. D., Ajav, E. A., Zokpodo, K. B., Bamgboye, A. I., & **Glèlè Kakai G.** (2020). Factors Determining Continuous Tractor Use in Benin Republic. *Journal of Agricultural Extension*, 24(3) : 115-124.
197. Lokossou, R. S., Akponikpè, P. I., Akouèhou, G. S., Matilo, A. O., Prudencio, M., Glèlè Kakai R. G., & Ganglo, J. (2020). Trend analysis of growing season characteristics and agro-climatic risks in the “Trois Rivières” forest reserve agro-ecosystems in North Benin. *Theor Appl Climatol*. DOI: 10.1007/s00704-020-03179-3.
196. Mensah S., Egeru A., Assogbadjo A.E., **Glèlè Kakai R.** (2020). Vegetation structure, dominance patterns and height growth in an Afromontane forest, Southern Africa. *Journal of Forestry Research* 31(2): 453-462.

195. Bodjrenou U.F.S., Amoussa Hounkpatin W., Mitchodigni I., Salako V., **Glèlè Kakai R.**, Dadele Y., Ntandou Bouzitou G., Schneider L., Mutanen M., Savy M., Kennedy G., Hounhouigan J. D., Termote C. (2020). Comparing video and poster-based education for improving 6-17 months children feeding practices: a cluster randomized trial in rural Benin. *Progress in nutrition* 22(1): 330-342.
194. Houndonougbo J. S. H., Kassa B., Mensah S., Salako V. K., **Glèlè Kakai R.**, A. E. Assogbadjo A global systematic review on conservation and domestication of *Parkia biglobosa* (Jacq.) R. Br. ex G. Don, an indigenous fruit tree species in Sub-Sahara African traditional parklands: current knowledge and future directions. *Genet Resour Crop Evol* DOI: 10.1007/s10722-020-00892-w.
193. Houndonougbo, J. S. H., B. Kassa, V. K. Salako, R. Idohou, A. E. Assogbadjo, **R. Glèlè Kakai** (2020). Perceived variation of fruit traits, and preferences in African locust bean [*Parkia biglobosa* (Jacq.) Benth.] in Benin: implications for domestication. *Genetic Resources and Crop Evolution*: 67:1315–1329.
192. Mensah S., Salako K. V., Assogbadjo A. E., **Glèlè Kakai R.**, Sinsin B., Seifert T. (2020). Functional trait diversity is a stronger predictor of multifunctionality than dominance: Evidence from an Afromontane forest in South Africa. *Ecological indicators*. DOI: 10.1016/j.ecolind.2020.106415.
191. Dayou E. D., Zokpodo B. K., Montcho M., Ajav E. A., Bamgboye I. A., **Glèlè Kakai R.** (2020). Current agricultural and environmental policies in Benin Republic. *Sustainable Agriculture Research* 9(2): 87-100.

## 2019

190. [Tchandao Mangamana, E., Cariou, V., Vigneau, E., Glèlè Kakai, R., & Qannari, E. M. \(2019\).](#) Unsupervised multiblock data analysis: A unified approach and extensions. *Chemometrics and Intelligent Laboratory Systems*, 103856.
189. [Lokonon B., Beh Mba R., Gbeha M., Glele Kakai R. \(2019\).](#) Parameters estimations methods in Generalized linear mixed effects models (GLMM) applied in ecology: a critical review. *International Journal of Engineering and Future technology*, 16(3): 13-27.
188. [Honfo S. H., Glele Kakai R. \(2019\).](#) Empirical study of computational techniques used for parameters' estimation in multivariate linear. *Afrika statistika*, 14(3): 2061-2098.
187. [Atanasso, J. A., Mensah, S., Azihou, A. F., Djossa, B. A., Glèlè Kakai, R., & Assogbadjo, A. E. \(2019\).](#) Heterospecific Tree Density and Environmental Factors Affect *Azelia africana* Sm. Population Structure in the Pendjari Biosphere Reserve, West Africa: Implications for Management and Restoration. *Tropical Conservation Science*, 12, 1940082918822604.
186. [Thierry D. Houehanou, Kathleen Prinz, Frank Hellwig, Achille E. Assogbadjo, Jens Gebauer, Romain Glele Kakai, Brice Sinsin \(2019\).](#) Morphological trait variation and relationships of *Azelia africana* Sm. caused by climatic conditions and anthropogenic disturbance in Benin (West Africa). *Genet Resour Crop Evol* 66(5): 1091–1105.
185. [Gnonlonfoun, I., Assogbadjo, A. E., Gnanglè, C. P., & Glèlè Kakai, R. \(2019\).](#) New indicators of vulnerability and resilience of agroforestry systems to climate change in West Africa. *Agronomy for Sustainable Development*, 39(2), 23. DOI: 10.1007/s13593-019-0566-2.
184. [Salako, V.K., Kégbé, A.M., Chadaré, F.J., Kafoutchoni, K.M., Amagnidé, A., Gbedomon, R.C., Assogbadjo, A.E., Agbangla, C., Glèlè Kakai, R., \(2019\).](#) Potential for domestication of *Borassus aethiopicum* Mart., a wild multipurpose palm species in Sub-Saharan Africa. *Genetic Resources and Crop Evolution*. 66(5): 1129–1144.
183. [Gnonlonfoun, I., Kassa, B., Azihou, F., Mensah, S., Glèlè Kakai, R., & Assogbadjo, A. E. \(2019\).](#) Perceived Effects of Elephants (*Loxodonta africana* Cuvier) Presence and Impacts

on Ecosystem Services Supply in the Pendjari Biosphere Reserve, West Africa. *Tropical Conservation Science*, 12, 1940082919865979.

182. [Gandji, K., Tovissodé, F. C., Azihou, A. F., Akpona, J. D. T., Assogbadjo, A. E., & Glèlè Kakaï, R. \(2019\)](#). Morphological diversity of the agroforestry species *Moringa oleifera* Lam. as related to ecological conditions and farmers' management practices in Benin (West Africa). *South African Journal of Botany*. DOI: 10.1016/j.sajb.2019.10.004.
181. [Honfo, S. H., Houetohossou, A., Assogbadjo, A., & Glèlè Kakaï, R. \(2019\)](#). Effective use of statistical tools in agricultural sciences: a critical review of multivariate modelling methods. *Journal of Applied Biosciences*, 142: 14529-14539.

## 2018

180. [Lazaro, M., Gbeha, M. and R. Glèlè Kakaï \(2018\)](#). Influence of Missing Value Imputations on the Performance of Canonical Correspondence Analysis: Ecological Applications. *African Journal of Applied Statistics* 5(1): 323–337.
179. [Dayou, E. D., Zokpodo, K. L. B., & Glèlè Kakaï, R. \(2018\)](#). Assessment of the physical and mechanical properties of the soils in the different agroecological zones of Benin. *Agro-Science*, 16(3), 37-45.
178. [Salako, V. K., Vihotogbé, R., Houéhanou, T., Sodé, I. A., & Glèlè Kakaï, R. \(2018\)](#). Predicting the potential impact of climate change on the declining agroforestry species *Borassus aethiopum* Mart. in Benin: a mixture of geostatistical and SDM approach. *Agroforestry Systems*. DOI: 10.1007/s10457-018-0262-2.
177. [Moussa, A. A., Salako, V. K., Gbemavo, D. C., Zaman-Allah, M., Glèlè Kakaï, R., & Bakasso, Y. \(2018\)](#). Performances agro-morphologiques des variétés locales et améliorées de maïs au sud-ouest du Niger. *African Crop Science Journal*, 26(2), 157-173.
176. [Salako, K. V., Moreira, F., Gbedomon, R. C., Tovissodé, F., Assogbadjo, A. E., & Glèlè Kakaï, R. \(2018\)](#). Traditional knowledge and cultural importance of *Borassus aethiopum* Mart. in Benin: interacting effects of socio-demographic attributes and multi-scale abundance. *Journal of Ethnobotany and Ethnomedicine*. DOI:10.1186/s13002-018-0233-8.
175. [Hounkpevi, A., Kouassi, E. K., & Glèlè Kakaï, R. \(2018\)](#). Effects of climatic variability and local environment patterns on the ecology and population structure of the multipurpose plant species, *Vitex doniana* Sweet (Lamiaceae) in Benin. *Tropical Ecology*, 59(1), 129-143.
174. [Lokonon, B. E., Mangamana, E. T., Gnonlonfoun, I., Akpona, T. J. D., Assogbadjo, A. E., Glèlè Kakaï, R., & Sinsin, B. \(2018\)](#). Knowledge, valuation and prioritization of 46 woody species for conservation in agroforestry systems along Ouémé catchment in Benin (West Africa). *Environment, Development and Sustainability*. DOI: 10.1007/s10668-018-0142-y
173. [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*. DOI :10.1007/s10457-018-0205-y
172. [Savi, M. K., R. Noumonvi, F. J. Chadaré, K. Daïnou, V. K. Salako, R. Idohou, A. E., Assogbadjo, and R. Glèlè Kakaï \(2018\)](#). 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*. DOI :10.1007/s10668-018-0091-5.
171. Sèwadé, C., Lokonon, B.E., Azihou, A.F., Akouèhou, G.S., Mensah, G.A., Glèlè Kakaï, R., & Houinato, M.R.B. (2018). Use diversity and farmer's preference of 48 local multipurpose fodder trees: a comparative analysis of three sociolinguistic groups of Benin. *Annales des sciences agronomiques* 22(1): 33-52.

170. [Gandji, K., Chadare, F. J., Idohou, R., Salako, V. K., Assogbadjo, A. E., & Glèlè Kakaï, R. \(2018\).](#) Status and utilisation of *Moringa oleifera* Lam: A review. *African Crop Science Journal*, 26(1) : 137-156.
169. [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*. DOI : 10.1177/1940082918762372.
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167. [Lokonon E. B., Glèlè Kakaï R. \(2018\).](#) Effects of overdispersion and sample size on the Performance of Poisson model and its Extensions in Frame of Generalized Linear Models (GLMs). *Int. J. Appl. Math. Stat.* 57(5): 40-53.
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