

SCIENTIFIC PUBLICATIONS

Peer review journal papers

Published

Impact Factor Journals

1. Kuyah, S., Sileshi, G. W., Nkurunziza, L., Chirinda, N., Ndayisaba, P. C., **Dimobe K.**, & Öborn, I. (2021). Innovative agronomic practices for sustainable intensification in sub-Saharan Africa. A review. *Agronomy for Sustainable Development*, 41(2), 1-21. <https://doi.org/10.1007/s13593-021-00673-4>. **IF= 4.531**
2. Loubota Panzou G. J., Fayolle A., Jucker, T., Phillips, O. L., Bohlman, S., Banin, L. F., .. **Dimobe K.** & Feldpausch, T. R. (2021). Pantropical variability in tree crown allometry. *Global Ecology and Biogeography*, 30(2), 459-475. <https://doi.org/10.1111/geb.13231>. **IF= 6.446**
3. **Dimobe K.**, Ouédraogo, A., Ouédraogo, K., Goetze, D., Stein, K., Schmidt, M., ... & Thiombiano, A. (2020). Climate change reduces the distribution area of the shea tree (*Vitellaria paradoxa* C.F. Gaertn.) in Burkina Faso. *Journal of Arid Environments*, 181, 104237. <https://doi.org/10.1016/j.jaridenv.2020.104237>. **IF= 1.83**
4. Mensah S., Noulékoun F., **Dimobe K.**, Atanasso J., Salako V. K., Assogbadjo A., & Kakaï R. G. (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., <https://doi.org/10.1016/j.jenvman.2020.111268>. **IF= 5.647**
5. Ouédraogo K., **Dimobe K.**, Thiombiano A. (2020). Allometric models for estimating aboveground biomass and carbon stock for *Diospyros mespiliformis* in West Africa. *Silva Fennica*, 54(1) article id 10215. <https://doi.org/10.14214/sf.10215>. **IF= 1.683**
6. Forkuor, G., Zoungrana, J. B. B., **Dimobe, K.**, Ouattara, B., Vadrevu, K. P., Tondoh, J. E. (2020). Above-ground biomass mapping in West African dryland forest using Sentinel-1 and 2 datasets-A case study. *Remote Sensing of Environment*, 236, 111496. <https://doi.org/10.1016/j.rse.2019.111496>. **IF= 8.218**
7. Ouattara, B., Forkuor, G., Zoungrana, B. J., **Dimobe, K.**, Danumah, J., Saley, B., & Tondoh, J. E. (2020). Crops monitoring and yield estimation using sentinel products in semi-arid smallholder irrigation schemes. *International Journal of Remote Sensing*, 41(17), 6527-6549. <https://doi.org/10.1080/01431161.2020.1739355>. **IF= 2.976.**
8. Ganamé, M., Bayen, P., Ouédraogo, I., **Dimobe, K.**, Thiombiano, A. (2020). Woody species composition, diversity and vegetation structure of two protected areas along a climatic gradient in Burkina Faso (West Africa). *Folia Geobotanica*, 1-13. <https://doi.org/10.1007/s12224-019-09340-9>. **IF=1.571**
9. Neya, T., Abunyewa, A. A., Neya, O., Zoungrana, B. J., **Dimobe, K.**, Tiendrebeogo, H., Magistro, J. (2020). Carbon Sequestration Potential and Marketable Carbon Value of Smallholder Agroforestry Parklands Across Climatic Zones of Burkina Faso: Current Status and Way Forward for REDD+ Implementation. *Environmental Management*, 1-9. <https://doi.org/10.1007/s00267-019-01248-6>. **IF= 2.376**
10. **Dimobe, K.**, Kuyah S., Dabré Z., Ouédraogo A., Thiombiano A. (2019): Diversity-carbon stock relationship across vegetation types in W National park in Burkina Faso. *Forest Ecology and Management*, 438: 243-254. <https://doi.org/10.1016/j.foreco.2019.02.027>. **IF= 3.169**
11. Ouédraogo, K., **Dimobe, K.**, Zerbo, I., Etongo, D., Zare, A., Thiombiano, A. (2019). Traditional knowledge and cultural importance of *Gardenia erubescens* Stapf & Hutch. in Sudanian savanna of Burkina Faso. *Journal of Ethnobiology and Ethnomedicine*, 15(1), 28. <https://ethnobiomed.biomedcentral.com/articles/10.1186/s13002-019-0305-4>. **IF=2.273.**
12. Tondoh J. E., **Dimobe K.**, Guéi A. M., Adahé L., Baidai Y., N'Dri J. K., Forkuor G. (2019): Soil health changes over a 25-year chronosequence from forest to plantations in a rubber tree (*Hevea brasiliensis*) landscape in southern Côte d'Ivoire: do earthworms play a role?. *Frontiers in Environmental Science*, 7, 73. <https://www.frontiersin.org/articles/10.3389/fenvs.2019.00073/full>. **IF=3.14.**
13. Balima, L. H., Nacoulma, B.M.I., Bayen, P., **Dimobe, K.**, Kouamé, F.N.G., Thiombiano, A. (2019): Aboveground biomass allometric equations and distribution of carbon stocks of the African oak (*Azelia africana* Sm.) in Burkina Faso. *Journal of Forestry Research*, 1-13. <https://doi.org/10.1007/s11676-019-00955-4>. **IF=0.748**
14. **Dimobe, K.**, Mensah, S., Goetze, D., Ouédraogo, A., Kuyah, S., Porembski, S., Thiombiano, A. (2018): Aboveground biomass partitioning and additive models based on seemingly unrelated regression for *Combretum glutinosum* and *Terminalia laxiflora* in West Africa. *Biomass & Bioenergy*, 115: 151-159. <https://doi.org/10.1016/j.biombioe.2018.04.022>. **IF= 3.358**
15. **Dimobe, K.**, Goetze, D., Ouédraogo, A., Mensah, S., Porembski, S., Thiombiano, A. (2018): Aboveground biomass allometric equations and carbon content of the shea butter tree (*Vitellaria paradoxa* C.F. Gaertn., Sapotaceae) components in Sudanian savannas (West Africa). *Agroforestry Systems*, DOI 10.1007/s10457-018-0213-y. <https://doi.org/10.1007/s10457-018-0213-y>. **IF= 1.201**

16. **Dimobe, K.**, Kouakou, J., Tondoh, J., Zoungrana, B., Forkuor, G., Ouédraogo, K., (2018): Predicting the Potential Impact of Climate Change on Carbon Stock in Semi-Arid West African Savannas. *Land*, 7(4), 124. <https://doi.org/10.3390/land7040124>. IF= 2.429
17. **Dimobe, K.**, Tondoh, J.E., Weber, J.C., Bayala, J., Ouédraogo, K., Greenough, K., (2018): Farmers' preferred tree species and their potential carbon stocks in southern Burkina Faso: Implications for biocarbon initiatives. *PLoS One*, 13(12), p.e0199488. <https://doi.org/10.1371/journal.pone.0199488>. IF=2.766
18. Stein, K., Stenchly, K., Coulibaly, D., Pauly, A., **Dimobe, K.**, Steffan-Dewenter, I., Konaté, S., Goetze, D., Porembski, S., Linsenmair, K.E., (2018): Impact of human disturbance on bee pollinator communities in savanna and agricultural sites in Burkina Faso, West Africa. *Ecology and evolution*, 8(13), 6827-6838. <https://doi.org/10.1002/ece3.4197>. IF= 2.32
19. Sylla, M.B., Pal, J.S., Faye, A., **Dimobe, K.**, Kunstmann, H., (2018): Climate change to severely impact West African basin scale irrigation in 2° C and 1.5° C global warming scenarios. *Scientific reports*, 8(1), p.14395. <https://doi.org/10.1038/s41598-018-32736-0>. IF= 4.609
20. Sylla, M.B., Faye, A., Klutse, N.A.B., **Dimobe, K.**, (2018): Projected increased risk of water deficit over major West African river basins under future climates. *Climatic Change*, 151(2): 247-258. <https://doi.org/10.1007/s10584-018-2308-x>. IF= 3.537
21. Forkuor, G., **Dimobe, K.**, Idriss, S., Ibrahim, B., Tondoh, J. (2017): Landsat-8 vs. Sentinel-2: examining the added value of sentinel-2's red-edge bands to land-use and land-cover mapping in Burkina Faso. *GIScience and Remote Sensing*, 55 (3): 331-354. <https://doi.org/10.1080/15481603.2017.1370169>. IF= 2.852
22. **Dimobe, K.**, Ouédraogo, A., Soma, S., Goetze, D., Porembski, S., Thiombiano, A. (2015): Identification of driving factors of land degradation and deforestation in the Wildlife Reserve of Bontoli (Burkina Faso, West Africa). *Global Ecology and Conservation*, 4: 559–571. <https://doi.org/10.1016/j.gecco.2015.10.006>. IF= 2.174
23. Kebenzikato, A. B., Wala, K., Atakpama, W., **Dimobe, K.**, Dourma, M., Woégan, A. Y., Batawila, K., Akpagana K. (2015) : Connaissances ethnobotaniques du baobab (*Adansonia digitata* L.) au Togo. *Base*, 19 (3) : 247-261. <https://popups.uliege.be/443/1780-4507/index.php?id=12272>. IF= 0.795

Selected Indexed Peer Review Journals without Impact Factor

24. Lompo O., **Dimobe K.**, Mbayngone, E., Savadogo, S., Sambaré, O., Thiombiano, A., & Ouédraogo, A. (2021). Climate influence on the distribution of the yellow plum (*Ximenia americana* L.) in Burkina Faso. *Trees, Forests and People*, 100072. <https://doi.org/10.1016/j.tfp.2021.100072>
25. Agwu, O. P., Bakayokoa, A., Jimoh, S. O., **Dimobe, K.**, & Porembski, S. (2020). Impact of Climate on Ecology and suitable habitat of *Garcinia kola* Heckel in Nigeria. *Trees, Forests and People*, 100006. <https://doi.org/10.1016/j.tfp.2020.100006>
26. Ouédraogo S., Ouédraogo O., **Dimobe K.**, Thiombiano A., & Boussim, J. I. (2020). Prediction of aboveground biomass and carbon stock of *Balanites aegyptiaca*, a multipurpose species in Burkina Faso. *Heliyon*, 6(8), e04581. <https://doi.org/10.1016/j.heliyon.2020.e04581>.
27. Neya O., Neya T., Abunyewa A. A., Zoungrana B. J. B., Tiendrebeogo H., **Dimobe K.**, & Korahire, J. A. (2020): Land Use Land Cover Dynamics and Farmland Intensity Analysis at Ouahigouya Municipality of Burkina Faso, West Africa. *American Journal of Climate Change*, 9(1), 23-33.
28. Ganamé M., Bayen P., **Dimobe K.**, Ouédraogo I., Thiombiano, A. (2020b). Aboveground biomass allocation, additive biomass and carbon sequestration models for *Pterocarpus erinaceus* Poir. in Burkina Faso. *Heliyon*, 6(4) <https://doi.org/10.1016/j.heliyon.2020.e03805>
29. Lompo O., **Dimobe K.**, Lankoandé B., Ouédraogo A. (2019). Performances germinatives des graines de *Lannea microcarpa* Engl. & K. Krause (*Anacardiaceae*) de provenance sahélo-soudanienne du Burkina Faso. *Tropicicultura*. <https://popups.uliege.be/2295-8010/index.php?id=1338>
30. **Dimobe, K.**, Goetze, D., Ouédraogo, A., Forkuor, G., Wala, K., Porembski, S., Thiombiano, A. (2017): Spatio-temporal dynamics in land use and habitat fragmentation within a protected area dedicated to tourism in a Sudanian savanna of West Africa. *Journal of Landscape Ecology*, 10 (1): 75–95. <https://doi.org/10.1515/jlecol-2017-0011>.
31. Padakale, E., Atakpama, W., Dourma, M., **Dimobe, K.**, Wala, K., Guelly, K.A., Akpagana, K., (2015): Woody species diversity and structure of *Parkia biglobosa* Jacq. Dong parklands in the sudanian zone of Togo (West Africa). *Annual Research & Review in Biology*, 6(2): 103-114. <https://doi.org/10.9734/ARRB/2015/14105>.
32. Wembou, E.N.P., Woégan, Y., Atakpama, W., **Dimobe, K.**, Tozo, K., Dansi, A., Akpagana, K. (2015) : Contribution des aires protégées à la conservation in situ des espèces sauvages négligées et sous-utilisées : cas de *Dioscorea prahensilis* Benth. dans la zone écologique IV du Togo. *Afrique Science*, 11(5),

- <http://www.afriquescience.info/document.php?id=5391>.
33. **Dimobe, K.**, Wala, K., Dourma, M., Kiki, M., Woegan, Y., Folega, F., Batawila, K., Akpagana, K. (2014): Disturbance and Population Structure of Plant Communities in the Wildlife Reserve of Oti-Mandouri in Togo (West Africa). *Annual Research & Review in Biology* 4(15): 2501-2516. <http://www.sciencedomain.org/abstract/4356>.
 34. Kebenzikato, A. B., Wala, K., Dourma, M., Atakpama, W., **Dimobe, K.**, Pereki, H., Batawila, K., Akpagana, K (2014) : Distribution et structure des parcs à *Adansonia digitata* L. (baobab) au Togo. *Afrique Science*, 10(2) : 434-449. <http://www.afriquescience.info/document.php?id=3581>.
 35. **Dimobe, K.**, Wala, K., Batawila, K., Dourma, M., Woegan, A. Y., Akpagana, K. (2012) : Analyse spatiale des différentes formes de pressions anthropiques dans la réserve de faune de l'Oti-Mandouri (Togo). *Vertigo*, <http://journals.openedition.org/vertigo/12423>.
 36. **Dimobe, K.**, Wala, K., Batawila, K., Dourma, M., Woegan, A. Y., Akpagana, K. (2012) : Dynamique des activités anthropiques et impact sur la biodiversité dans la réserve de l'Oti-Mandouri : une adaptation aux changements climatique. *African Sociological Review / Revue Africaine de Sociologie*, 15(2) : 28-43. <https://www.jstor.org/stable/24487979>.
 37. Folega, F., Zhao, X., Batawila, K., Zhang, C., Huang, H., **Dimobe, K.**, Pereki, H., Bawa, A., Wala, K., Akpagana, K. (2012): Quick numerical assessment of plant communities and land use change of Oti prefecture protected areas (North Togo). *African Journal of Agricultural Research*, 7(6): 1011-1022. <https://doi.org/10.5897/AJAR11.1314>.
 38. Atakpama, W., Batawila, K., Dourma, M., Pereki, H., Wala, K., **Dimobe, K.**, Akpagana, K., Gbeassor, M. (2012): Ethnobotanical Knowledge of *Sterculia setigera* Del. in the Sudanian Zone of Togo (West Africa). *ISRN Botany*; 2012: 1-8. <http://dx.doi.org/10.5402/2012/723157>.

Book chapters

1. Sylla, M. B., **Dimobe, K.**, & Sanfo, S. (2021). Burkina Faso-Land, climate, Energy, Agriculture and Development: A study in the Sudano-Sahel Initiative for Regional Development, Jobs, and Food Security. Energy, Agriculture and Development: A study in the Sudano-Sahel Initiative for Regional Development, Jobs, and Food Security (January 19, 2021). ZEF Working Paper Series, ISSN, 6638. https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3769085
2. Mirzabaev A., Sakketa T. G., Sylla M. B., **Dimobe K.**, Sanfo S., Admassie A., ... & von Braun, J. (2021). Land, Climate, Energy, Agriculture and Development in the Sahel: Synthesis paper of case studies under the Sudano-Sahelian Initiative for Regional Development, Jobs, and Food Security (No. 308811). [DOI: 10.22004/agg.econ.308811](https://doi.org/10.22004/agg.econ.308811).
3. Kuyah S., Sileshi G. W., Luedeling E., Akinnifesi F. K., Whitney C. W., Bayala J., Kuntashula E., **Dimobe K.**, Mafongoya P. L. (2020). Potential of Agroforestry to Enhance Livelihood Security in Africa. In: Dagar J.C., Gupta S.R., Teketay D. (eds) *Agroforestry for Degraded Landscapes*. Springer, Singapore. https://doi.org/10.1007/978-981-15-4136-0_4
4. Nacoulma B.M.I, Ouédraogo I, Ouédraogo O, **Dimobe K.**, Thiombiano A. (2018): Phytodiversity of Burkina Faso: Selected countries in Africa. In: Pullaiah T. (ed) *Global Biodiversity*, 1st edn, Apple Academic Press, New York. <https://doi.org/10.1201/9780429469800>.