

Curriculum Vitae (CV)

Informations personnelles

Prénom et Nom : Antoine Sambou

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Education

Diplômes	Composition du diplôme	Année	Etablissement/pays
PhD	Foresterie, Nature et Biomasse	2016	Université de Copenhague, Danemark
Master	Ingénierie de l'Environnement	2010	China University of Geosciences, Chine
Licence	Foresterie	2004	ISFAR Ex. ENCR de Bambey, Sénégal
Bac	S1	2000	Collège Saint Charles Lwanga Ziguinchor

Expérience professionnelle

Période	Nom de l'employeur	Fonction
30 mars 2017 - présent	Université Assane Seck de Ziguinchor, Sénégal	Enseignant-chercheur.
06/07/2012-03/03/2016	University of Copenhagen Denmark, Danemark	Assistant de recherche

Langues pratiquées

Langues	Compréhension	Oralité	Ecriture
Français	Excellente	Excellente	Excellente
Anglais	Excellente	Excellente	Excellente
Chinois	Bonne	Bonne	Faible

Maîtrise informatique et des logiciels

Maîtrise des applications informatiques de base comme PowerPoint, Word, Excel et Internet, R, SAS, ArcGIS, Envi, StigmaPlot.

Activités pédagogiques et de recherches

Je dispense les cours de Dendrométrie, Aménagement forestier, Sylviculture, Arboriculture, Technique d'inventaire forestier, Exploitation forestière et analyse de Biodiversité (2017 à présent)

à Université Assane Seck de Ziguinchor. Mes activités de recherche sont axées sur l'écologie des paysages, la dynamique et diversité de la végétation et la sécurité alimentaire.

Encadrement de mémoires de Master

➤ 2017- 2024: 20 mémoires de master encadrés

Publications et communications Scientifiques

➤ **Publications dans les journaux internationaux indexés**

- Camara, B., Sambou, A., Ndiaye, L., DIEDHIOU, M. A. A., & Daouda, N. G. O. M. (2024). Effect of *Faidherbia albida* (Del.) Chev. and *Elaeis guineensis* (Jacq). on upland rice growth and yield.
- Seydou, N., Ibrahima, D. P., Antoine, S., & Amata, D. F. (2023). Etat des espèces forestières dans l'arrondissement de Cabrousse, Casamance/Sénégal State of forest species in the district of Cabrousse, Casamance/Senegal. *Revue Ecosystèmes et Paysages*, 3(2), 1-17pp.
- Diatta, Y., Diedhiou, S., Sambou, A., Goudiaby, A. O. K., Bassene, J., Sagna, Y. P., ... & Fall, S. (2023). Effects of land use on floristic composition and diversity of woody vegetation in the commune of Enampore, Senegal.
- Badiane, A., Faye, B. A., Sambou, A., Ba, I., Diop, K., Diallo, M., ... & Fall, S. (2023). Cultural mode and organo-mineral amendment effect on growth and yield of rice (*Oryza sativa* L.) and soil chemical properties in sulfated acid soils of Basse-Casamance. *Heliyon*, 9(8).
- Sambou, A., Samb, N. W., & Ayessou, N. (2023). Nutritional values of green and white cucumber (*Cucumis sativus* L.) and African horned cucumber (*Cucumis metuliferus* E.). *Journal of Horticulture and Postharvest Research*, 221-234.
- Diouf, S., & Sambou, A. (2023). Agro-morphological characterization of four varieties of cucumber from *Cucumis sativus* L. and *Cucumis metuliferus* E. Mey. Ex Naudin in Senegal. *Journal of Horticulture and Postharvest Research*, 131-144.
- Ndiaye, S., Ndiaye, M., Sambou, A., & Koffi, E. E.(2022). Perceptions des populations sur les services écosystémiques de l'aire marine protégée de Kayar à l'ouest du Sénégal. *Rev Écosystèmes et Paysages (Togo)*, No02, vol 02, 53-68pp.
- Abdoulaye Simon Pierre Diatta¹, Antoine Sambou, Ousmane Ndiaye, Paul Diouf (2022) Valorisation des propriétés nutritionnelles et fonctionnelles des fruits forestiers

- comestibles dans le département de Bignona (Région de Ziguinchor, Sénégal). *Rev Écosystèmes et Paysages (Togo)*, 2022, No02, vol 02, 100-113pp.
- Sambou, A., Ayessou, N., & Diallo, A. (2023). Heating effect on nutritional value from two morphotypes (palmate and semi-palmate leaves) of *Hibiscus sabdariffa*. *International Journal of Gastronomy and Food Science*, 100698. <https://doi.org/10.1016/j.ijgfs.2023.100698>
 - Sambou, A., Ayessou, N., & Diallo, A. (2023). Cooking process effect on nutritional value of *Sesuvium portulacastrum* L. leaves in Senegal. *JSFA Reports*, 3(1), 13-18. <https://doi.org/10.1002/jsf2.94>
 - Aly DIALLO, Arfang Ousmane Kémo GOUDIABY, Mamadou Abdoul Ader DIEDHIOU, Antoine SAMBOU, Yaye Dié NIANG et Binetou Fatou (2022). FALL Caractérisation et dynamique des adventices du gombo (*Abelmoschus esculentus* L) et de la tomate (*Solanum lycopersicum* L) sous l'effet de différents fertilisants organiques. *Int. J. Biol. Chem. Sci.* 16(6): 2804-2820. DOI : <https://dx.doi.org/10.4314/ijbcs.v16i6.26>
 - Diallo A. , Diedhiou M.A.A., Sambou A. , Goudiaby A.O.K., Sagna N.G., Senghor R.G.I., 2022. Tillage coupled with crop establishment methods and zinc application influences weed dynamics and yield of direct-seeded rice, 5(2), 105-117. <http://dx.doi.org/10.26655/JRWEEDSCI.2022.5.4>
 - Ndiaye, O., Sambou, A., & Mané, B. (2022). Agro-morphological characterization of *Detarium microcarpum* Guill & Perr, edible and non-edible (toxic) *Detarium senegalense* JF Gmelin on three types of substrates. *International Journal of Scientific Research Updates*, 2022, 04(01), 037–046. DOI: <https://doi.org/10.53430/ijrsru.2022.4.1.0076>
 - Diedhiou, A., Sambou, A., & Sarr, S. M. (2021). Perception des populations sur les services écosystémiques des aires protégées: Cas de l'Aire Marine Protégée d'Abéné, Sénégal. *Rev Écosystèmes et Paysages* , 2021, No 01, vol 01 ; 73-84pp
 - Diedhiou, O.B.A., Ndiaye, O., Camara, B., Sambou, A., Ndiaye, S. and Ba, C.T. (2021) Growth, Development and Suitability for Kent of Mango Rootstocks on Soil Substrates Collected under *Anacardium occidentale* L., *Khaya senegalensis* (Desv.) A. Juss and *Mangifera indica* L., in Casamance, Senegal. *American Journal of Plant Sciences*, 12, 1800-1816. <https://doi.org/10.4236/ajps.2021.1212126>
 - Goudiaby, A. O. K., Sambou, A., Diédhiou, M. A. A., Diallo, A., & Sagna, M. L. (2021). Effects of two potting soils on growth of *Moringa oleifera* (Lam.) and *Leucaena leucocephala* (Lam.) in Kéréwane (Kolda/Sénégal). *American Journal of Agriculture and*

- Forestry 2021; 9(3): 101-105. doi: 10.11648/j.ajaf.20210903.11
- Balde, S., Ayessou, N.C., Sambou, A., Niane, K., Faye, P.G., Cisse, M. and Diop, C.M. (2021) Effects of Seed Pretreatment on Germination, Growth and Yield of *Momordica charantia* L. *Agricultural Sciences* , 12, 39-57. <https://doi.org/10.4236/as.2021.121004>
 - DIEDHIOU, P.C.C., SAMBOU, A., NDIAYE, O., NDOUR, N. & DIEDHIOU, S.K. (2021). Comparative Analysis of Rice Performance and Profitability with the System of Rice Intensification (SRI) and Traditional Practices (TP) in Ziguinchor District, Senegal, *Forestry & Agriculture Review*, 2(1), 22-37. Doi: <https://doi.org/10.47285/far.v2i1.64>
 - Ndiaye, O., Camara, B., Sambou, A., & Ndiaye, S. (2020). Germination, Growth and Development of *Mangifera indica* L. Varieties Used as Rootstocks on Different Substrates. *ISPEC Journal of Agricultural Sciences*, 4(3), 435-455. DOI: <https://doi.org/10.46291/ISPECJASvol4iss3pp435-455>
 - Sambou, A., Camara, B., & Goudiaby, A. O. K. (2020). Local people's perceptions of forest and trees ecosystem services: case of kalounaye managed forest. *Quantum Journal of Engineering, Science and Technology*, 1(2), 10-25. <http://www.qjoest.com>
 - Sagna, B., Ngom D., Camara, C., Sambou, A., Diedhiou, M.A.A., Goudiaby, M., Mane, A.S., Le Coq Y. (2019). Ecological Characterization of *Elaeis guineensis* Jacq. Agroforestry Parklands in the Cacheu Region (GuineaBissau). *American Journal of Agriculture and Forestry*. Vol. 7, No. 6, 2019, pp. 321-329. doi: 10.11648/j.ajaf.20190706.22
 - Dasylyva , M., Ndour, N., Sambou, A., Sambou, B. (2019). Characterization and Analysis of the Socio-Economic Issues of Ziguinchor Urban Livestock in Senegal". *EC Agriculture* 5.12 (2019): 1-16.
 - Ndour, N., Sambou , B., Dasylyva, M., & Sambou A. (2019). Analyse de la biomasse et du rythme de croissance de l'ichtyofaune dans les etangs piscicoles traditionnels de Bandial (Casamance, Senegal) *Am. J. innov. res. appl. sci.* 2019 ; 9(3) : 241-251.
 - Ngor Ndour, N., Sambou, B., Sambou, A., & Dasylyva, M. (2019).. endogenous knowledge of traditional fish and rice farmers in lower Casamance (Senegal). *Am. J. innov. res. appl. sci.* 2019; 9(1): 128-138.
 - Ndiaye, O., Goudiaby, A. O. K., & Sambou, A. (2018). Effects of substrate on germination and growth of *Moringa oleifera* Lam., *Acacia mellifera* (Vahl) Benth. and *Zizyphus mauritiana* Lam. seedlings. *REFORESTA*, (6), 86-99. DOI: <https://dx.doi.org/10.21750/REFOR.6.07.60>

- Sambou, A., Kæstel, P., Theilade, I., & Ræbild, A. (2016). The contribution of trees and palms to a balanced diet in three rural villages of the Fatick Province, Senegal. *Forests, Trees and Livelihoods*, 25(3), 212- 225. DOI:10.1080/14728028.2016.1190303
- Sambou, A., Sambou, B., & Ræbild, A. (2017). Farmers' contributions to the conservation of tree diversity in the Groundnut Basin, Senegal. *Journal of Forestry Research*, 28(5), 1083-1096. doi: 10.1007/s11676-017-0374-y
- Sambou , A. (2016). Meals contribution to dietary intake of rural communities in Senegal. *IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)*. Volume 10, Issue 3 Ver. I (Mar. 2016), PP 52-62 DOI: 10.9790/2402-10315262.
- Sambou, A., Theilade, I., Fensholt, R., & Ræbild, A. (2016). Decline of woody vegetation in a saline landscape in the Groundnut Basin, Senegal. *Regional environmental change*, 16(6), 1765-1777. doi: 10.1007/s10113-016-0929-z
- Gangnibo, C. N., Cheng, S., Huang, L., & Sambou, A. (2010). Sustainable agriculture in Benin: strategies for applying the Chinese circular agriculture model. *Journal of sustainable development*, 3(1), 69. www.ccsenet.org/Jsd
- Sambou, A., Ndour, B., Cheng, S., & Senghor, E. (2010). Ligneous species tolerance in acid sulphated and saline soils of sine saloum: case of rural community of Djilass and Loul Secene. *Journal of Sustainable Development*, 3(2), 174. www.ccsenet.org/Jsd.
- Sambou, A., Cheng, S., Huang, L., & Gangnibo, C. N. (2010). Jiufeng Protected Area Biodiversity Threats assessment. *Journal of agricultural science*, 2(3), 108. www.ccsenet.org/Jsd

➤ **conférences et congrès internationaux avec des communications orales et posters**

- **Antoine Sambou**, Ida Theilade, Bienvenu Sambou, Anders Ræbild (2014). Assessing the impact of changes in biodiversity on food security of local communities: the case of the Fatick province, Senegal. XXIV IUFRO World Congress, Salt Lake City, Utah, USA October 5-11, 2014
- **Antoine Sambou**, Ida Theilade; Bienvenu Sambou, Anders Ræbild (2017). The contribution of trees and palms to a balanced diet in three rural villages of the Fatick Province. IUFRO 125th ANNIVERSARY Congress 2017, 18 - 22 September 2017 in Freiburg, Germany
- **Antoine Sambou**, Bienvenu Sambou, Anders Ræbild (2018). Farmers' contribution

to the conservation of tree diversity in the Groundnut Basin, Senegal .The 24th ISTF Conference On February 1 – 3,2018 at At the Yale School of Forestry & Environmental Studies, USA.

- **Antoine Sambou**, Ida Theilade; Bienvenu Sambou, Anders Ræbild (2018). Farmers' contribution to the conservation of tree diversity in the Groundnut Basin, Senegal. 4th World Congress on Agroforestry 20-22 may 2019 at Le Corum conference Centre Montpellier, France
- **Antoine Sambou**, Ousmane Ndiaye, Arfang Ousmane Kemo Goudiaby (2019). Effects of substrates on germination and growth of *Moringa oleifera* Lam, *Acacia mellifera* and *Zizyphus mauritiana* seedlings. XXV IUFRO world Congress from September, 29 to October 5, 2019 held at Expo Unimed Convention Center, Curitiba, Brazil.
- **Antoine Sambou** (2019). Local people's perceptions of forest and trees ecosystem services: Case of managed Kalounaye classified forest. XXV IUFRO world Congress from September, 29 to October 5, 2019 held at Expo Unimed Convention Center, Curitiba, Brazil.
- **Antoine Sambou**, Ida Theilade; Bienvenu Sambou, Anders Ræbild (2021). Farmers' contribution to the conservation of tree diversity in the Groundnut Basin, Senegal. The International Symposium on Biodiversity Conservation & Sustainable Development in Arid Lands, jointly organized by Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences (XIEG) and the Alliance of International Science organizations (ANSO) on December 16-17, 2021.
- **Antoine Sambou, Nicolas Ayessou and Aly Diallo (2023)**. Heating effect on nutritional value from two morphotypes (palmate and semi-palmate leaves) of *Hibiscus sabdariffa* in *ICKMD-2023 held during February 11-12, 2023 organized by International Society for Research (ISR)- Chapter Malaysia*
- **Antoine Sambou (2023)**. Effects of different nut pretreatments and substrates on germination and seedlings growth of *Neocarya macrophylla* Sabine in Basse Casamance, Senegal. Colloque International de l'Agroforesterie Tropicale (CIAT) du 13-15 Decembre 2023 a l'Universite Jean Lorougnon Guede, Daloa, Cote d'Ivoire
- **Antoine Sambou (2023)**. Effet du mode cultural et de l'amendement organo-minéral sur la croissance et le rendement du riz (*Oryza sativa* L.) et sur les propriétés chimiques du sol dans les sols acides sulfatés de Basse-Casamance. Colloque International de l'Agroforesterie Tropicale du 13-15 Decembre 2023 a l'Universite Jean Lorougnon Guede, Daloa, Cote

d'Ivoire

- **Antoine Sambou (2024)**. Effects of different nut pretreatments and substrates on germination and seedlings growth of *Neocarya macrophylla* Sabine in Basse Casamance, Senegal at the **XXVI World Congress** of the International Union of Forest Research Organizations (IUFRO) in Stockholm, Sweden, 23-29 June 2024.

Dr Antoine SAMBOU

