

## PERSONAL INFORMATION

**NGANSOP TOUNKAM Marlene**

**Nationality:** Cameroonian

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**Forest Ecology, Natural Resource Management & Non-Timber Forest Product Value Chain**



## COMPETENCE

- Ability to design, implement and complete research projects
- Carry out botanical and forest inventories in the Central African rainforest.
- Plan, conduct and evaluate sociological and ethnobotanical surveys
- Support indigenous communities in decision-making to improve forest management
- Assessing the value chain of raw and processed Non-Timber Forest Products (NTFP)
- Building relationships with people from different backgrounds
- Coordinate ecology and participatory forestry projects
- Analyzing data and presenting results clearly
- Multicultural collaboration: Experience of working with teams and partners from diverse backgrounds in international organizations (e.g. IUCN, IRD, UNDP, CGIAR, FAO etc.)

## EDUCATIONAL BACKGROUND

2020: PhD in Plant Biology; Botany-Ecology; Faculty of Science, University of Yaoundé I

2023: M.Sc. in Plant Biology, Botany-Ecology, Faculty of Science, University of Yaoundé I

## CURRENT POSITION

- Since 2021, Lecturer Advanced Technical Teachers' Training School for Technical Education, University of Douala
  - Development of courses, practical work and presentation materials
  - Mastery of various teaching methods (lectures, tutorials, practical work, case studies, etc.)
  - Supervision of students' dissertations, theses and research projects

## PROFESSIONAL EXPERIENCE

- March 2024 to date: Post-doctoral research on behalf of the project 'State of the transformation of non-timber forest products in Central African countries and prospects for the development of sustainable value chains in Central African countries and prospects for the development of sustainable value chains' Applied Research Project in Ecology and Social Sciences in Support of the Sustainable Management of Central African Forest Ecosystems (RESSAC)- Millennium Ecological Museum (MEM).
- June-August 2021: Botanical expert for the project 'Sustainable management under the authority of Cameroonian communes', through the training of communal forest unit managers and members of peasant forest committees in forest carbon management, forest monitoring in communal forests and carbon inventories. FAO project.
- May 2020 - May 2021: Community conservation facilitator for the School for Indigenous & Local Ecological Knowledge (SILK) project. This project aims to document knowledge of common NTFPs through socio-economic surveys, transects to study the natural regeneration of NTFPs and analysis of their value chain to promote conservation and improved livelihoods in the Congo Basin. Implemented by the Congo Basin Institute (CBI).
- December 2020-September 2021: Coordinate the project 'Distribution and natural regeneration of Garcinia kola Heckel, a vulnerable non-timber forest product in high demand in the Belabo communal forest, East Cameroon' through a socio-economic survey, transect sampling and public awareness raising on sustainable management. Rufford Small Grant & MEM Project.
- December 2020-August 2021: Coordinator of the project 'Distribution and management of non-timber forest products in the indigenous village of Baka', through a socio-economic survey, a floristic inventory of the most important NTFPs and awareness-raising on sustainable management of NTFPs. Conservation Action Research Network (CARN) project and MEM.
- September-December 2019: Botanical Expert for the project namely "Evaluation of kola nut value chain", through Socio-economic survey of kola nuts; Map of the geographical distribution of kola nuts and actors involved in the value chain and development of a business model. Funded by Japan Forest Technology Association (JAFTA), implemented by MEM.
- January 2020-july.2021: Consultant for the Environmental education as vector of eco-citizenship in urban and peri-urban schools, through Socio-economic survey on the causes and impacts of environmental degradation, mapping charcoal produced in the area, raise public awareness of the causes and impacts of climate change. Funded by GIZ / ProPFE, implemented by MEM.
- May-December 2018: Botanical Expert using Darwin core tool for data collection and digitization to Develop an Accessible Biodiversity Information System. Funded by Global Biodiversity Information Facility (GBIF), implemented by UICN, and GREEN CONNEXION (GC).
- July-September 2018: Consultant for biodiversity and ecosystem assessment for the evaluation of biodiversity and ecosystem services of the Dzeng communal forest, through Socio-economic survey, floristic inventory, assessment of carbon sequestration potential, characterization of the tourism potential of the communal forest. Funded by GIZ / ProPFE & implemented by MEM.
- July-August 2017: Ethnobotanist for the project namely "forest resource management integrating indigenous and ecological knowledge", through ethnobotanical survey on the use of plants in hunting by Baka pygmies. Funded by the Grant-in-Aid for Scientific Research of MEXT, Japan, implemented by MEM.
- January-December 2016: Researcher for the project Cartography of the spatial distribution and collection dynamics of NTFP on the periphery of the Boumba beck National Park, through Socio-economic survey, mapping and quantification of NTFP collected. funded by the Japan international cooperation Agency (JICA).
- October 2015-March 2016: Research assistant, for the "elaboration of the National Strategy Program for the 6<sup>th</sup> Operational Phase of GEF / SGP focused on the landscape approach in Cameroon", through interviews with resource persons (MINFOF, MINEPDED,

- MINEPAT, MINADER etc.), diagnosis/participatory mapping of selected landscapes/seascapes. Funded by GEF (Global Environment Facility) Small Grants Program-Cameroon, implemented by MEM.
- November 2014: Research Scientist for the “evaluation of the monitoring of nurseries (wild Mangoes, lemon, mandarin tree and safari) in Akom II locality”. Funded by GEF, implemented by MEM.
  - Since October 2014: Research Scientist - Millennium Ecologic Museum (MEM).
  - April-August 2013: Research Assistant for the “assessment of plant biodiversity management and carbon stocks management”, through Socio-economic survey floristic, inventory, raising public awareness of the effects of climate change. International. Funded by Centre for Forestry Research (CIFOR), implemented by MEM
  - January 2013: Research Assistant for the “assessment of climate change vulnerability in the coastal areas of Cameroon”, through socio-economic survey of vulnerable groups in coastal areas (Kribi), raising public awareness of the causes and effects of climate change. Funded by CRDI “Centre de recherche pour le développement international”, implemented by MEM.
  - September 2012-August 201: Volunteer intern at the Millennium Ecologic Museum (MEM).

## SCIENTIFIC COMMUNICATIONS

### Peer reviewed articles

- **Ngansop T.M.**, Funwi F.P, Tchoupou V. M., Christian Zekeng J.C., Chimi D.C., Fongnzossie, E.F., 2024. Assessment of *Garcinia kola* Heckl value chain and its contribution to the livelihoods of local populations in Eastern Cameroon. *Heliyon* 10(1):e39568. DOI: 10.1016/j.heliyon.2024.e39568
  - Chimi D.C., Ngansop T.M., Christian Zekeng J.C., Tchoupou V. M., Funwi F.P., 2024. Enhanced local governance as response to threats on vulnerable non-timber forest product species: Case of *Garcinia kola* Heckel in East Cameroon. *Environmental Development* 50(4):100974, DOI: 10.1016/j.envdev.2024.100974
  - Fongnzossie, E.F., **Ngansop, M.T.**, Oishi, T. et al. 2023. Traditional knowledge of plants used in hunting and fishing practices among Baka hunter-gatherers of eastern Cameroon. *J Ethnobiology Ethnomedicine* 19, 1 (2023). <https://doi.org/10.1186/s13002-022-00571-3>
  - Bessike G.B., Ndiwe B., Fongnzossie F.E., Pizzi A., Zobo M. J., Biwole B.A., **Ngansop T.M.**, Eyinga B.J.J., Bitondo D., Kekenou S., Patrick Akono N.P., 2023. Evaluation of the potentials of *Jatropha curcas* oil and in combination with leaf extracts of *Cymbopogon citratus*, *Ocimum basilicum*, and *Eucalyptus globulus* as wood preservatives against *Macrotermes bellicosus* termites *Industrial Crops & Products*. 195. <https://doi.org/10.1016/j.indcrop.2022.116205>
  - Chimi D. C., Yaya Christian, E., **Ngansop T.M.**, N., Sorel Léocadie, I., Yonkeu Amandine Flore, N., Guylène, N., Tchuenwo Diane Christelle, T., Pany, N., Sapock Narcisse Didier, M., Princely Awazi, N., Nguenguim C.E., Kabelong Banoho L.P.P., Misse A.C. & Zapfack L. (2022). Local population perspectives of the ecosystem services provided by the kebe block forest in the east region of Cameroon. *Forestist*, December 12, 2022. DOI:10.5152/forestist.2022.22054.
  - Chimi D. C., Inimbock S.L., Kabelong B.P-R., **Ngansop T.M.**, Zekeng J. C., Awazi N. P., Barnabas N. N., Gadinga W.F., Misse A. C., Onana D., Enamba Y. C., Ngoukwa G., Tsemo T. D. C., Awé D. V., Massussi J. A., Nyeck B., Mounmemi K. H., Madountsap T. N., Ntonmen Y. A., Tabue M. R. B., Tchoupou V. M., and Zapfack L., 2022. Availability of medicinal forest plant species used as adjuvant in COVID-19 treatment in the periphery of the Deng-Deng forest, Cameroon. *Journal of Medicinal Plants Studies* 2022; 10(1): 98-106 DOI: <https://doi.org/10.22271/plants.2022.v10.i1b.1367>
  - Fongnzossie F. E., Biwole B.A., Nyangono B.C.F., **Ngansop T. M.**, Ntonga A.P., Nguimba V.P., Essono D.M., Forbi P.F., Tonga C., Nguenang G.M., Kemeuze V., Sonwa D.J, Tsabang N., Bouelet I.S., Tize Z., Boum T.A., Momo S.M.C., Betti J.L., Bissoué N.A., Lehmann G.L., Mapongmetsem P.M., Nneme N.L., Ngane N.A.R., Yonkeu N.J., 2021. A review of Cameroonian medicinal plants with potentials for the management of the COVID-19 pandemic. *Advances in Traditional Medicine*, doi.org/10.1007/s13596-021-00567-6
  - Forbi P.F., Sonwa J.D., Mala A. W., Oishi T., **Ngansop T.M.**, and Mbolo M., 2020. Exploring farmers’ vulnerability and agrobiodiversity in perspective of adaptation in Southern Cameroon. *ASC-TUFS Proceedings, Kyoto University, Japan*. Pp 259-278.
  - Mvetumbo M., Takanori O., Awah K. P., **Ngansop T.M.**, and Akepta T. L., 2020. The persistence of spleen sickness culture in Cameroon: A comparison between a remote village in the Eastern region and an urban area of the Central region. *ASC-TUFS Proceedings, Kyoto University, Japan*. Pp 279-302.
  - **Ngansop T.M.**, Biye E.H., Fongnzossie F.E., Forbi P.F. & Chimi D.C., 2019a. Using transect sampling to determine the distribution of some key non-timber forest products across habitat types near Boumba-Bek National Park, South-east Cameroon. *BMC Ecol.*, 19: 3. doi.org/10.1186/s12898-019-0219-y
  - **Ngansop T.M.**, Sonwa J.D., Fongnzossie F. E., Biye E.H., Forbi P.F., Takanori O., and Nkogmeneck B-A †., 2019b. Identification of main Non-Timber Forest Products and related stakeholders in its value chain in the Gribé village of southeastern Cameroon. *ASC-TUFS Proceedings, Kyoto University, Japan*. Pp 181-191.
  - Fongnzossie E., Mbang N. T., Dibong S. D., and **Ngansop M.**, 2018. Plant Agrobiodiversity in the Forest Landscapes Used by the Baka and Konabembe Communities in South-East Cameroon. *Ethno-Ecology Review [Online]*, 13. [journals.openedition.org/ethnoecology/3413](https://journals.openedition.org/ethnoecology/3413)
  - Fongnzossie F.E., **Ngansop T. M.**, Zapfack L., Kemeuze V.A., Sonwa D.J, Nguenang G. M., and Nkogmeneck B-A. 2014. Density and natural regeneration potential of selected commercial non-timber forest products in the semi-deciduous rainforest of Southeastern Cameroon. *African Study Monographs*, 49: 67–88
- **Conference proceedings and posters**
- Djiaha A.B., Ngansop T.M., Mbevo F.P., 2024. Analyse par télédétection de la dynamique du couvert forestier et évaluation du stock de carbone dans la réserve de faune de Santchou entre 2000 et 2022. Association francophone de Géographie physique, Université d’Avignon, Présentation orale.
  - Kondjio K.N.H., Biwole B.A., Ngansop T.M., Mbevo F.P., 2024. Etude du processus de compétition en conditions naturelles sur deux espèces congénères : Cas de *Musanga cecropioides* et *Cecropia peltata*. Association francophone de Géographie physique, Université d’Avignon, Présentation orale
  - Forbi P.F., Mala A.W., **Ngansop T. M.**, chimi P. M. 2018. Livelihoods and non-timber forest products: Influence of access and ownership rights, access to market among Bantu and Bagyeli at the periphery of Campo Ma’an National Park. Conference on Biodiversity and market-based instruments of the African Forest Policies and Politics (AFORPOLIS). *Oral presentation, Yaoundé, 24-27<sup>th</sup> September, Cameroon.*

- **Ngansop T.M.**, Sonwa J.D., Fongnzossie F. E., Biye E.H., Forbi P.F. and Takanori O. 2018. Identification of the keys Non-Timber Forest Products and Related Stakeholders in its Value Chain in Gribe Village of South-eastern Cameroon. Conference one Natural Resources Management and the Power of Rural Policy, of the Tokyo University of Foreign Studies. *Oral presentation, Pretoria13-14 September, South Africa.*
- Forbi P.F., **Ngansop T. M.**, 2018. Prospects for sustainable solid waste in Yaoundé urban are. Conference on “Technology (or useful arts) ” & “Applied scientific research “: Key to success?” of the PKFokam Institute of Excellence Yaoundé. *Oral presentation, Yaoundé 12-14 June, Cameroon.*
- **Ngansop T. M.**, Fongnzossie F.E., Biye E. H., Forbi P. and Nkongmeneck B.-A. 2015. Habitat Diversity and the Distribution of Some Non-Timber Forest Products in the South-eastern forests of Cameroon. Symposium of Forest-Savanna Sustainability of the Japan International Cooperation Agency (JICA). *Poster presentation, Yaoundé 11-12 November, Cameroon.*
- Fongnzossie F.E., & **Ngansop T. M.** 2014. Density and natural regeneration potential of selected commercial non timber forest products in the mixed-evergreen rainforest of Southeastern Cameroon. Workshop on Sustainable Resource Management in Southern and Eastern Cameroon of the FOSAS project. *Oral presentation, Yaoundé 12-13 February, Cameroon.*
- **Thesis**
- **Ngansop T.M.** 2020. Ecology and natural regeneration of some Non-Timber Forest Products (NTFPs) near Boumba-Bek National Park, South-east Cameroon. PhD thesis, Botany-Ecology University of Yaoundé I. 150 p.
- **Ngansop T.M.** 2013. Natural regeneration potential of some species Non-Timber Forest Products in the northern periphery of the Boumba-bek National Park, South-East Cameroon. Master thesis. Botany-Ecology, University of Yaoundé I. 68 p.

#### AFFILIATIONS

- Cameroon Environmental Group "Green Connexion" working on the conservation of freshwater plants in Cameroon and tropical Africa.
- Botany-Ecology 12 "Bota-Eco12" working on social integration of youth, sustainable development and environmental protection.
- Hobby: Excursion, reading, organized trips, sport, Cinema.

#### IT KNOWLEDGE

Microsoft Word, Excel, PowerPoint, Internet Computer Word Processing Tool, R-statistical software, PAST-statistical software Map-info, ArGIS, Map-source, Google Earth.

#### OTHER TRAININGS

- 1- 2017: Bilingual Training Program for Adults --- **British Training Centre**
- 2-2018: Capacity building in cartography and use of GPS - **Centre for Study and Research for Development (CERD).**
- 3-2018: Training on Open Standards (NO) for Project Management and Conservation Programs (Adaptive Management) --- **WWF & ENEF**
- 4-2018: Training on Quantitative Ecology for Sustainable Agriculture and Biological Conservation --- **Biodiversity Initiative-Congo Basin Institute (CBI) and IITA.**

#### GRANTS AND AWARDS

- 2021-2022. Prize for the best teaching assistant in the Forest Engineering Department Forest Engineering Department
- 2020. Rufford foundation small grant
- 2020. Conservation Action Research Network (CARN) ASPIRE grant
- 2016. Idea Wild; Donation of research equipment
- 2012. Major Promotion Award of the project "Promotion of Scientific and Cultural Technical "

#### LANGUAGE PROFICIENCY

Language	Read	Speak	Write
French	Excellent	Excellent	Excellent
English	Good	Good	Good

#### REFERENCES

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