

# Curriculum vitae



## Etat civil

- Surname & first name AKOUTOU MVONDO Etienne
- Date/place of birth 26/12/1988 in Nkpwang-Sangmélima
- Nationality Cameroonian
- Marital status Married
- Home institute Institut de Recherche Agricole Pour le Développement (IRAD)
- Academic rank Ph.D. in Plant Biology
- Position Research Associate
- Professional address BP 2123, Messa, Yaoundé, Central Phytopathology Laboratory-CRAM
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## Formation académique

Dates	Institution	Diplomas obtained
2023-2016	University of Yaoundé 1	Ph.D. in Biology of Plant Organisms (BOV)
2015-2012	University of Yaoundé 1	BOV Research Master
2011-2008	University of Yaoundé 1	BOV Bachelor's degree
2008-2007	Lycée Classique de Mfou	Baccalauréat D

## Autres formations/renforcement des capacités

September	Deepening the practice of R software in the statistical processing of data from agricultural surveys and experiments
2023	Dr. Doumbe-Nkeng Michel, DP Agroforestry, CIRAD
May 2021.	MOOC-Environmental Law and Protection. Senghor University, Organisation Internationale de la Francophonie & Institut de la Francophonie pour le Développement Durable
March 2021.	MOOC-Environmental Economics and Natural Resource Management.
February 2021.	Senghor University, Organisation Internationale de la Francophonie & Institut de la Francophonie pour le Développement Durable
October 2021.	MOOC-Understanding and analyzing sustainable development issues and actions.
September 2021.	Seminar on Valorization and Scientific Writing.
February 2021.	Dr. Bidzanga Nomo, IRAD
October 2019.	Training in techniques for collecting and statistically processing data from agricultural surveys and experiments, using R software.
July 2019.	Dr. Doumbe Nkeng Michel; DP Agroforestry, CIRAD
December 2018.	Evaluation methodology for complex agroforestry systems.
November 2018.	Dr. Patrick Jagoret, DP Agroforesterie, Yaoundé, Cameroon

## Areas of expertise/Centers of interest

- Agroecology
- Agroforestry
- Integrated crop protection
- Environmental protection
- Sustainable development
- Plant pathology
- Biological control
- Biostatistics

## Professional experience

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August 2024	Co-focal point IRAD at the Central African Pesticides Committee (CPAC)
March 2020	Co-focal point IRAD/MINRESI-ANOR (Agence Nationale de Normalisation); Comité Technique CT48 (Technologie et Produits Alimentaires) and Comité Miroir des Produits Alimentaires (CMPA)
December 2020	Research Fellow at IRAD/MINRESI, assigned to the Central Plant Pathology Laboratory
January 2016	Research Associate IRAD/MINRESI
April 2013	Student trainee: professional internship at DP-Agroforesterie

## Projects, grants and funding

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- Regional multi-actor agroecology research network (RMRN-RADiUS), 2025-2028 <https://www.coraf.org/actualite/lancement-du-projet-radius-une-initiative-pour-promouvoir-lagroecologie-en-afrique-de-louest-et?locale=en>
- GALILEO Agroforestry Living Labs, 2025-2028 <https://galileo-project.eu/>
- International Foundation for Science (IFS): January 2019 grant No. I-1-C-6218-1, 2018
- World Congress on Agroforestry; organizing committee: April 2019
- DP Agroforesterie Cameroun: December 2018, 2019 and 2020

## Training courses/Supervision of thesis students, Master's students and agricultural engineers

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2024-2025	MEWA KOLLA Ines Solange, Agronomic and pedoclimatic factors influencing proanthocyanidin content in cocoa genotypes in Cameroon. Master's degree in research, University of Yaoundé 1.
Octobre 2023	Writing and publishing scientific articles in peer-reviewed journals; Akoutou Mvondo E., Trainer, CRAM-IRAD.
Mai 2023	Techniques for collecting, processing and statistically analyzing agronomic data; Akoutou Mvondo E., Trainer, CRAM-IRAD.
2022	KANSE Emile; Effect of microclimatic variations in cocoa-based agroforestry systems on the spread of Phytophthora-caused citrus gum blight. Dissertation supervision for the Agronomy and Agricultural Sciences Faculty of the University of Dschang, Dschang, Cameroon. 68p.
2020	SALY Lionnel; In vitro antifungal activity of lemongrass and vetiver essential oils on Colletotrichum gloeosporioides, causal agent of soursop anthracnose. Dissertation supervision for the Agronomy and Agricultural Sciences Faculty of the University of Dschang, Dschang, Cameroon. 79p.

## Linguistic and computer skills

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Français



English



Office pack



R



## Main scientific publications

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1. **Etienne Akoutou Mvondo**, Camille Ulrich Dzokouo Dzoyem, Lucien Bidzanga Nomo, Zachée Ambang, Faustin Bella Manga, Christian Cilas, Eunice Golda Danièle Ndo (2025). Structural characteristics of cocoa-based agroforestry systems can mitigate citrus Phytophthora foot rot disease intensity. <https://doi.org/10.1007/s10342-025-01780-7> (in production stage, accepted for publication in European Journal of Forest Research)
2. Manga, J. N., Bep, G. M. A., Akoa, S. P., Mewouo, H. A., Ondobo, M. L., **Akoutou Mvondo, E.**, ... Niemenak, N. (2024). Expression of Tc-MYBPA gene involved in the regulation of the biosynthesis of

- proanthocyanidins in cacao beans (*Theobroma cacao* L.). *Journal of Plant Biochemistry and Biotechnology*. <https://doi.org/10.1007/s13562-024-00921-0>
3. **Akoutou Mvondo, E.**, Dzokouo Dzoyem, *et al.* Microclimatic variations in cocoa-based agroforestry systems affect citrus *Phytophthora* foot rot disease intensity. *Agroforest Syst* (2024). <https://doi.org/10.1007/s10457-024-00954-3>
  4. Mfoumou Eyi C., **Akoutou Mvondo E.**, *et al.*, 2024. Working conditions in non-timber forest products gathering in eastern Cameroon. *Trees, Forests and People* 15, 100472. <https://doi.org/10.1016/j.tfp.2023.100472>
  5. Ndo, E.G. D., **Akoutou Mvondo, E.**, *et al.* 2023. Farmer's strategies in the choice of citrus spatial structures in cocoa-based agroforests in Cameroon. *Agroforest Syst*. <https://doi.org/10.1007/s10457-023-00817-3>
  6. Ndo, E. G. D., **Akoutou Mvondo, E.**, *et al.*, 2023. Spatial Distribution of Citrus *Pseudocercospora* Leaf and Fruit Spot Disease and Shade Effect on Disease Intensity. *Crops* 3, 11–23. <https://doi.org/10.3390/crops3010002>
  7. **Akoutou Mvondo, E.**, *et al.*, 2022. Tree diversity and shade rate in complex cocoa-based agroforests affect citrus foot rot disease. *Basic and Applied Ecology*. <https://doi.org/10.1016/j.baae.2022.08.003>
  8. **Akoutou Mvondo, E.**, *et al.*, 2020. Effects of complex cocoa-based agroforests on citrus tree decline. *Crop Protection* 130, 105051. <https://doi.org/10.1016/j.cropro.2019.105051>
  9. Ndo, E.G.D., Kuate, J., **Akoutou Mvondo, E.**, *et al.*, 2019. Tolerance of citrus genotypes towards *Pseudocercospora* leaf and fruit spot disease in western highlands zone of Cameroon. *Crop Protection* 124, 104828. <https://doi.org/10.1016/j.cropro.2019.05.022>
  10. Ndo, E.G. D., **Akoutou Mvondo, E.**, *et al.*, 2019. Spatial Organisation Influences Citrus Leaf and Fruit Spot Disease Severity in Cocoa-Based Agroforestry Systems. *AJPS* 10, 221–235. <https://doi.org/10.4236/ajps.2019.101017>
  11. **Akoutou Mvondo, E.**, Ndo, E., Bieng, M.-A., Ambang, Z., Manga, B., Cilas, C., Manga, M., N.L, B., 2017. Assessment of the interaction between the spatial organization of citrus trees populations in cocoa agroforests and *Phytophthora* foot rot disease of citrus severity. *Agroforestry Systems* 93. <https://doi.org/10.1007/s10457-017-0140-3>

## Participation in international congresses

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**Akoutou Mvondo E.**, Structural characteristics of cocoa-based agroforestry systems mitigate citrus *Phytophthora* foot rot disease intensity; Oral presentation Platforms in partnership for research and training (dP) Week June 24-28, 2024 – Montpellier, France.

**Akoutou Mvondo E.**, Microclimatic changes in cocoa-based agroforests affect the intensity of *Pseudocercospora* leaf and fruit spot disease and *Elsinoe* scab on citrus; *Agroforestry and mitigation of climate change*, March 26-27, 2024 – Online. IUFRO Interconnecting Forest science and people

**Akoutou Mvondo E.**, *et al.* 2022. Ecological regulation of citrus *Phytophthora* foot rot disease by optimizing cocoa-based agro-forest system's structural characteristics. Online Oral presentation. 5<sup>th</sup> **World Congress on Agroforestry**, Transitioning to a viable world; 17-20 July 2022, Quebec City, Canada.

**Akoutou Mvondo E.**, *et al.*, 2019. Effects of complex cocoa-based agroforests on citrus tree decline. 4<sup>th</sup> **World Congress on Agroforestry**, 20-22 May 2019, France. Oral presentation, 21 May, 12h. <https://www.alphavisa.com/agroforestry/2019/documents/Agroforestry2019>

## Surroundings/Resource persons

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Full name	Grade	Structure	Profile	Contact
NDO Eunice G. D.	PhD., Research Master,	IRAD	Pest management	<a href="mailto:Eunicendo@gmail.com">Eunicendo@gmail.com</a>
CILAS Christian	PhD., Research Director	CIRAD	Biostatistics	<a href="mailto:christian.cilas@cirad.fr">christian.cilas@cirad.fr</a>
AMBANG Zachée	PhD., Professor	UY1	Plant pathology	<a href="mailto:zachambang@yahoo.fr">zachambang@yahoo.fr</a>