

CURRICULUM VITAE



1. PERSONNAL INFORMATION

Mr. DAN SUMBA MAZENGA

Nationality : Congolese

Civil status : Married and Father

Address N.12 Av. Bembezi, Lemba township, Kinshasa, Democratic Republic of Congo

Phone : (+234) 994664656

Date of Birth : 14th June 1986

Email : danpirdana@gmail.com

Skype : dan.sumbu

2. QUALIFICATIONS

I have 12 years of professional experience in agronomic research, plant breeding and specialization in seed system of biofortified crops such as cassava, maize, beans, etc. In my professional career, I have held numerous of positions of responsibility in the previous institutions, currently in my current position with CIAT / HarvestPlus, I am managing the fields officers staff based in the project action areas. Here are the details related to my experience:

- Improvement and selection of plants (development and maintenance of varieties of food crops), mainly on cassava and other root and tuber crops
- Experience in improvement and selection of plants (Maize and Bean)
- Expérience en agronomie et production root and tuber crops
- Proven skills in the seed sector of the Democratic Republic of Congo
- Proven experience in seed production and multiplication of plant material
- Production and management of tissue culture factories outside the laboratory (tissue culture)
- Proven skills in training farmers in agricultural research and development project and biofortification of food crops
- Proven skills in the trainer of trainers in seed production and crop field management
- Proven skills in oral and written communication, analysis, interpersonal relations, and team management

- Fluency in written and oral French and English.
- Used to travel within the country and international

3. EDUCATION

2022-2024: University of Kinshasa, Faculty of Agronomic Sciences, Kinshasa, Master's student (Msc) in plant production.

Option: plant breeding

Title of thesis: Genetic variability of the content of total carotenoids (TCC) and their components in the leaves and tuberous roots of cassava (*Manihot esculenta* Crantz).

2005-2010: I hold a BSc in Crop production (Phytotechnie) from University of Kinshasa (School of Agriculture)

Title: BSc (Agricultural Engineer),

Option: Plant production (Phytotechny)

2008 : University of Kinshasa, Faculty of Agronomic Sciences, Kinshasa, DRC

Title: Graduate in Agronomy

Option: General Agronomy

4. PROFESSIONAL EXPERIENCE

October 2018-Up to now (Alliance Bioversity International-CIAT)

From October 2018 to these days

Position: Seed System Specialist

- Responsible to produce quality seeds for Biofortified crops (Maize, cassava, beans, and sweet potatoes) in the project action areas (Kinshasa, Kwilu, Kasai, and South Kivu) with world Bank project (PMNS),
- Monitor multi-local tests in research stations and outside stations (in a real environment)
- Conduct selection trials by identifying varieties rich in micro-nutrients associated with good agronomic qualities and accepted by consumers with good adaptation to different agro-ecological zones (Cassava, Maize, Beans and Sweet Potato)
- Supervise the field officers involved in the establishment of breeding trials for the selection of varieties to the project areas (real environment and in the INERA stations).

Main responsibilities and tasks:

- Through the Country Representative, be in contact with other agencies and important partners for an effective harmonization of projects on the multiplication and dissemination of seeds of biofortified crops ;

- Assist INERA (National Institute for Agronomic Studies and Research) through these National Cassava, Maize, Bean and Sweet Potato Program in the identification of varieties with high beta-carotene content;
- Plan the activities to be carried out in relation to the objectives and expected results of the project:
- Install, train and supervise a network of agro-multipliers using the system of rapid multiplication of biofortified crops:
- Supervised the set-up demonstration fields within farming communities to expose farmers to new farming methods to increase yield to facilitate the adoption of organic fortified crops:
- Organize training on technical itineraries on the agronomy of fortified organic crops with the partners involved in the project:
- Strengthening the capacities of seed producers in the establishment and management of the seed field:
- Monitor the implementation of activities for the multiplication and dissemination of seeds of biofortified crops in the project areas and make periodic reports to all the partners concerned

International Institute of Tropical Agriculture (IITA)

September 2011 to October 2018

Research associate at IITA assigned to the HarvestPlus-DRC program.

Position: Seed System Specialist

- Supervise the breeding activity for biofortified cassava varieties at INERA (National Cassava Program),
- Responsible for seed production and seed distribution to agricultural households in the project areas (Kinshasa, Lomami, Kongo Central, Kwilu and Kwango, and Tshopo).

Job description

- Through the Project manager, to be in contact with other agencies and important partners for an effective harmonization of the projects on the multiplication and the spread of healthy cassava cuttings;
- Assist INERA through his National Cassava Program (PRONAM) to identify varieties with high beta-carotene content associated with good agronomic attributes and accepted by consumers and users of cassava.
- Set up demonstration fields within farming communities to expose farmers to the adoption of biofortified crops.

- Participate, in collaboration with local partners (NGDOs or other grassroots development communities), in the implementation of project activities and the identification of partners and sites of the multiplication fields.
- Prepare a training plan on the propagation and dissemination of healthy yellow cassava cuttings and supervise training.
- Plan the activities to be carried out in relation to the objectives and the expected results of the projects.
- Help organize awareness and popularization events of biofortified cassava for adoption by farmers
- Monitor the implementation of healthy cuttings multiplication and dissemination activities of healthy yellow cassava cuttings in the project areas and make periodic reports to all relevant partners ;
- Prepare collaboration with country crop manager, progress reports, and other reports for timely submission to relevant parties ;
- Execute any work requested by the hierarchy related to the above tasks.

5. WORK INTEGRATE AND ACADEMIC INTERNSHIPS

- **HarvestPlus (Kasai December 4-10 and Kwilu provinces December 13-17, 2022)**

Organizer and trainers with senasem (National seed service) : Training of agri multipliers (seed producers) on the standards and regulations to produce seeds of biofortified crops in agro ecological zone of Gungu and Mweka (DR Congo).

- **EXCHANGE VISIT TO HARVESTPLUS-LUSAKA/ZAMBIA (12 -17 JUNE 2022)**

The objective of the visit is to learn from the experience of HarvestPlus Zambia and their partner structures in deploying biofortification and strengthening the seed system; with specific objectives.

- a) Improve participants' knowledge of biofortification technology, nutrition associated with biofortified crops and the Zambian seed system;
- b) Understand the organization's work process in deploying biofortification.
- c) Improve participants' knowledge of agricultural extension and the different methods/technologies used to reach the most vulnerable.
- d) Identify and build a network of potential partners from the private and public sectors.

- **HarvestPlus: Kwilu (4-6/07/2022), Kasai (08-11/07/2022) and Kinshasa (19-21/07/2022)**

Organizer and trainer on the agronomy of biofortified crops (cassava maize, sweet potato, and bean)

Equip participants from institutions and partner actors with the notions of agronomy of biofortified crops, so that they can apply them within their service and return them to other layers of the population in our areas of intervention.

- **HarvestPlus : Kwilu, Kasai et Sud Kivu (1-6 September 2021, 25-29 January 2022)**
Organizer and trainer on the agronomy of biofortified crops

Training of managers/technical agents of the institutions involved in the Project Multi sectorial de Nutrition et Sante (PRONANUT, SNV, SENASEM, INERA, DEP, OCC, PROSANA and DPRODV) aware of the techniques (methods) of obtaining seeds, the establishment and management of fields biofortified crops

- **HarvestPlus** (18-20 November 2021)

Training participant: On the improvement and selection of biofortified crops

Train INERA technician-breeders on methods and techniques for breeding of biofortified varieties crops which will be disseminated through PMNS project.

A. LAND O' LAKES VENTURE 37 (March 2021)

- Establishment of the Riposte team 'Task Force' for management of Fall Armyworm for Small Holder Farmers in Maize in Democratic Republic of Congo.

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B. LAND O' LAKES (October 2020)

- Workshop to validate the work plan for year 2 of the land o lakes project

C. IITA/ TAAT (November 2019)

- Scaling of technologies for the transformation of agriculture in the DRC

D. SENASEM/ TASAI (November 2019)

- The form and presentation of the next national catalog
- The model of technical sheets to adopt by culture
- The reminder of the approval procedure and registration in the national catalog.

E. IITA-CBSD Project (March 2019)

- Training on Basic Monitoring and Evaluation

F. IITA-USAID (April 2018)

- Training on production and certification of healthy cassava planting materials.

G. CTA and IITA-Kinshasa/ DRC (February-March 2016)

Training on:

- Web 2.0 and social media for development with the use of networks like (Skype, Facebook, Team, Twitter, Instagram, GooglePlus, Google Maps, Whatsapp, Viber, Spotify, Organization of online conferences)

H. HARVESTPLUS-DRC and ZAMBIA/ Katanga, DRC (November 2015)

Training on:

- Maize Breeding, Production, Seed Certification and Seed Storage System

I. GHANA-Accra/ University of Leghon/ (May 2015)

- Capacity building for the cassava breeding methods

J. SEED CONTROL and CERTIFICATION INSTITUT / Lusaka, ZAMBIA
(March 2015)

Training on:

- Procedures required in seed field inspections in order to properly assess the quality of a stinging seed crop
- Procedures and stages of crop selection (Sweetpotato, Maize, Cassava, Beans...)

K. SEED CONTROL and CERTIFICATION INSTITUT and HARVESTPLUS - Lusaka/ZAMBIA (August 2014)

Training on:

- Seed system in Zambia: Organization, production and control of seed fields

L. IITA- Ibadan/ Nigeria (March 2014)

Cassava Breeding Unit:

- Team building workshop for cassava breeding unit (Cassava research for enhanced productivity)

M. IITA-Kinshasa/ DRC (October 2013)

- Training course in statistics and statistical computing with SAS

N. IITA- Ibadan/ Nigeria (October 2012)

Training on:

- Technics of multiplication and preparation of the planting material for dissemination
- Tools and methods for selecting clean planting materials for packaging and distribution.
- Handling and packaging of cassava planting materials
- Cassava beta-carotene assessment using I check device.
- Principles of tissues culture

O. IITA-Mvuazi (May-September 2011)

Main task: Breeding program

- Trial establishment and multiplication field.

P. CADIM/MBANKANA (February- April 2010)

Main task: Sensitization in CEP of farmers in the use improved varieties.

- Sensitization of farmers with the CEP (Farmer Field School) approach using improved varieties
- Sensitization of farmers in the use and benefits of improved varieties and cropping practices. (Maize, Cassava, Peanut, and animal breeding)

Q. INERA Mvuazi (February- April 2008)

Main task: Breeding program (Maize, Cassava and Rice)

- Trial establishment and harvest

R. COMPUTER SKILLS

Excel, Word, Power point, Internet, Outlook, Skype, Teams, social media, GPS

S. THEMES OF THESIS

3e Cycle (2022-2024: On going): Genetic variability, correlation of carotenoids and other minerals (Zn, Fe, Cn, Su, Proteins) in cassava leaves and roots and carotenoid retention in leaves

2e Cycle (2008-2010): Effects of increasing doses of chicken droppings on the development and yield of peas under climatic conditions in Kinshasa.

1er Cycle (2005-2008: Handicraft of the chikwangués in the city of Kinshasa 'Special case on Maman Honorine'

T. PUBLICATIONS

- Carotenoids retention in biofortified yellow cassava processed with traditional methods in the Democratic Republic of Congo (Victor Taleon, **Dan Sumbu**, Tawanda Muzhingi and Sylvain Bidiaka, 2017)
- Carotenoid Retention in biofortified yellow cassava processed with traditional African methods (Victor Taleon, **Dan Sumbu**, Tawanda Muzhingi and Sylvain Bidiaka, 2018) published in Journal of the Science of Food and Agriculture Taleon V., **D. Sumbu**, T. Muzhingi and S. Bidiaka. 2019. Carotenoids retention in biofortified yellow cassava processed with traditional African methods. Journal of the Science of Food and Agriculture 2019; 99: 1434-1441

U. LANGUAGES

Appreciation	Read	Written	Spoken
English	Good	Good	Good
French	Excellent	Excellent	Excellent
Lingala	Excellent	Excellent	Excellent
Kinkongo	Good	Good	Good

9. PERSONS OF REFERENCES

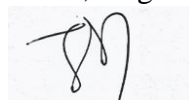
- Jodel Pierre, Acting Country Manager HarvestPlus, Alliance Bioversity International-CIAT. DRC. Téléphone (+243) 990 897 710/ +509 33 44 7777 et E-mail : J.Pierre@cgiar.org
- Ir. MSc. Sylvain Bidiaka Mpansu, Former Country Manager HarvestPlus/RDC, Téléphone (+243) 999 958 919 and E-mail : s.m.bidiaka@gmail.com
- Dr. Mahungu Nzola Meso : Former Représentative IITA/ DRC téléphone (+ 243) 992 253 355 and E-mail:N.Mahungu@cgiar.org

10. ATTESTATION

I declare on my honor that the information provided, including that relating to my civil status, is sincere and genuine.

Telephone: (+243 994 664 656)

Kinshasa, August 30th 2023



Dan Sumbu Mazenga

11. ANNEXES : CERTIFICATE OF PARTICIPATIONS AND MERITS



The certificate is a pink document with a black border. At the top, there are four logos: 'LA BANQUE MONDIALE' (World Bank), 'PMNS' (Programme Multisectoriel de Nutrition et de Santé), 'MINISTÈRE DE LA santé' (Ministry of Health), and 'UG-PDSS' (Unité de Gestion du Programme de Développement de la Santé). The main text is centered and reads: 'CERTIFICAT', 'Le présent Certificat est decerné à Monsieur DAN SUMBU', 'En reconnaissance de sa prestation de l'Expert Formateur des Formateurs sur : Les itinéraires techniques et la multiplication des cultures bio fortifiées de haricot, de maïs, de patate douce et de manioc', and 'Lors de l'atelier organisé du 25 au 29 janvier 2022 par HarvestPlus, en faveur des fonctionnaires de SENASEM, SNV, DEPRODEV et DEP dans le cadre du Projet Multisectoriel de Nutrition et de Santé (PMNS)'. On the right side, it says 'Fait à Kinshasa, ce 29 janvier 2022' followed by a signature and the name 'Jodel Pierre' and the title 'Project Manager'. On the left side, it says 'Prof Antoine Kanyenga L' followed by a signature and the title 'Country Manager'. At the bottom, there are logos for 'HarvestPlus' (Better Crops - Better Nutrition) and an 'Alliance' of 'Bioversity International' and 'CIAT' (International Center for Tropical Agriculture).



Certificate of Achievement

The Alliance of Bioversity International and CIAT

Dan Sumbu

In honor of successfully completing the course

Workplace Harassment and Bullying: Managing Threats to a Respectful Work

Awarded on 06/01/2022



syntrio



R THE ALLIANCE
RECOGNIZES
The outstanding contributions!

Alliance



DAN SUMBU MAZENGA

*In Recognition
of 10 years
of service*

Dan SUMBU

Although you make it look easy, we know you work hard, and today we honor you for the outstanding work you have done over the years to make our Organization successful.

We couldn't do it without you!

We appreciate your decision to stay with us
Thank you!



CERTIFICAT DE PARTICIPATION

Le present Certificat est decerné à

Monsieur/Madame : SUMBU DAN

En reconnaissance de sa participation à la Formation organisée par HarvestPlus RDC dans le cadre du Projet Multisectoriel de Nutrition et de Santé dont le Module principal était axé sur l'

Amélioration et sélection des cultures bio fortifiées.

Tenue à Kikwit, du 18 au 20 2021.

Prof Antoine Kanyenga L

Country Manager

Jodel Pierre

Project Manager

Dr. Ayoni Ogunbayo

Sélectionneur





Opportunité d'apprentissage du **Web 2.0 et les médias sociaux**

IITA, Kinshasa, République Démocratique du Congo
29 février - 04 mars 2016

Certificat de Participation

Ceci est pour certifier que **SUMBU DAN**

a participé à la formation sur le Web 2.0 et les médias sociaux pour le développement.

Kinshasa, le 04 mars 2016

Michael Hailu
Directeur

Centre Technique de la Coopération
Agricole et Rurale (CTA)

Dr. Nzola M. Mahungu
Représentant National IITA R.D.C
International Institute of Tropical
Agriculture (IITA)



CERTIFICATE

This is to certify that

Sumbu Mazenga Dan

Participated in the

Seed Systems Training

held at the Seed Control and Certification Institute,
Lusaka-Zambia, from 1st -5th September 2014

The training was organized by Seed Control and Certification Institute in conjunction with Harvest Plus

Director - Seed Control and Certification Institute

Harvest Plus: Representative

CERTIFICAT

Le Chef Adjoint de Recherches et Développement de l' Embrapa Agro-Industrie Alimentaire, soussigné, certifie par la présente que

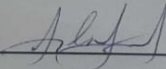
Dan Sumbu

a suivi avec succès le cours

'Détermination de Caroténoïdes' à l'Institut National pour l'Étude et la Recherche Agronomiques (INERA), R. D. Congo.

En foi de quoi, le présent certificat lui est délivré.

Rio de Janeiro, le 21 août 2014.



Angela Furtado

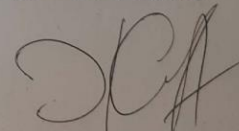
Le Chef Adjoint de Transfert de Technologie de l' Embrapa Agro-Industrie Alimentaire



Certificate of Participation iCheck™ Training

Sumbu Mazenga Dan

has completed a training with iCheck™ Carotene for measurement of pro-vitamin A as total carotenoids in raw cassava root and products on 25-27th May 2015 in Accra, Ghana.



Dr. Anna Zhenchuk