PERSONAL INFORMATION

Réussite BUGALE MALEMBAKA

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Sex Male | Date of birth 14/06/1993 | Nationality Congolese (Democratic Republic of the Congo)

ORCID ID: https://orcid.org/0009-0006-4426-8385

GoogleScholar: https://scholar.google.com/citations?user=LYWdJ5cAAAAJ&hl=en&oi=ao

Website: https://reussitemalembaka.github.io

.EDUCATION

January – Feb 2025 — Academic visit, University of Oxford, UK
Visiting student at the Food Systems Group, Environmental Change Institute, University of Oxford, UK

January 2022 – Dec 2025 — PhD studies, in Environmental systems science (ongoing)
Agroecological transitions group, Department of environmental systems science, ETH Zurich, Switzerland

Sept 2017 – Sept 2020 — Master studies (M.Sc. degree in Soil science)
Department of Land Resource Management and Agricultural Technology, Faculty of Agriculture, University of Nairobi, Kenya

May 2017 – July 2017 — English language advanced level training
College of Language and Communication Services, Makerere University, Kampala, Uganda. Certificate of completion of English Advanced Level training

Sept 2011 – July 2016 — Bachelor studies (B.Sc. degree in Agronomy)
Faculty of Agronomic sciences, Catholic University of Bukavu, DRC
Bachelor of Science. Degree obtained with 71%

Sept 2005 -Juillet 2011 — Secondary school at Institut Bwindi, Bukavu,
Option Chemistry Biology, State Diplôma, obtained with 68%

LANGUAGE SKILLS

Mother tongue(s): Swahili

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	B2	C1	C1	B2
	IELTS test score : 6.5 / 9. Academic module, British council, Nairobi, (2020)				
French	C2	C2	C2	C2	C1
Brazilian Portuguese, Lingala	B1	B2	B1	B1	A2
German	A2	A2	A2	A2	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

PUBLICATIONS

- **Malembaka, R.B**., Pfister, S., Thom, B., Kintche, K., Jacobi, J., 2025. Ecological Sustainability and Role of Farmers' Organisations in Soybean Production Systems in Dr Congo. https://doi.org/10.2139/ssrn.5165929
- Cintrão, R.P., Trivilin, M.I., Jacobi, J., **Malembaka, R.B.** and Sigrist, M., 2024. O poder do soja no Paraná e o uso de agrotóxicos: um desafio à agroecologia. *Cadernos de Agroecologia*, *19*(1).

- **Malembaka. R. B**., Onwonga, R., Jefwa, J., Ayuke, F. and Nabahungu, L. 2021. **Diversity and distribution of Arbuscular Mycorrhizal Fungi, and soils inoculum potential in maize (*Zea mays*) cropping systems of South Kivu, DR Congo.** African Journal of Agricultural Research. Vol. 17(4), pp. 604-617, DOI: 10.5897/AJAR2020.15390 (https://www.researchgate.net/publication/351516329_African_Journal_of_Agricultural_Research_Diversity_and_distribution_of_arbuscular_mycorrhizal_fungi_in_maize_Zea_mays_cropping_fields_in_South_Kivu_Democratic_Republic_of_Congo)
- **Malembaka. R. B**., Onwonga, R. Jefwa, J., Ayuke F and Nabahungu, L. **Role of selected AMF species on maize (*Zea mays*) performance, phosphorus uptake and roots colonisation in a Ferralsol and a Nitisol under controlled conditions.** Vol. 18, No. 3, p. 20-32, 2021 (*https://innspub.net/ijaar/role-of-native-arbuscular-mycorrhizal-fungi-on-maize-zea-mays-growth-and-nutrient-uptake-in-acidic-soils-under-controlled-conditions/*)
- **Malembaka R**. **B.** 2019. Characterization and screening of native arbuscular mycorrhizal fungi isolates from maize (*Zea mays* L.) agro ecosystems in South Kivu, Democratic Republic of Congo. MSc Thesis dissertation. University of Nairobi. 122p
- Co-director of **BEBUC Newsletter no 3. 2020**. BEBUC, a unique and sustainable scholarship program for the renewal of excellence in higher education institutions of the Democratic Republic of the Congo. 19 pages (https://foerderverein-uni-kinshasa.de/Wordpress/wp-content/uploads/2020/08/BEBUC-Newsletter-2020-1.pdf)
- **Malembaka R. B.** 2016. **Identification of local rhizobia strains effectives on soybean (*Glycine max*) under greenhouse conditions. BSc dissertation. Catholic University of Bukavu**. 52p (Link to the abstract: https://www.africmemoire.com/read-identification-des-souches-locales-de-rhizobium-effectives-sur-le-soja-glycine-max-en-conditions-de-serre-1891.html)
- **Malembaka R. B.** 2014. **Effet de la fertilisation organique, minérale et phosphorée sur le rendement du niébé (*Vigna unguiculata* L.) dans les conditions édapho-climatiques de Karhale**. Travail de Fin de Cycle. Inédit. UCB. 41 p.

JOURNAL REVIEWER

- Reviewer in the African Journal of Plant Science and African Journal of Microbiology Research, From Dec. 2020 to Dec 2021.

GRANTS, FUNDINGS, SCHOLARSHIPS

- **D-USYS CO2 compensation fund**. Project: 'Promotion and joint implementation of diverse agroforestry systems in coffee and soybean systems in South Kivu, DR Congo', Action research grant awarded by the Department of Environmental sciences , ETH Zurich. 2023
- **Early career grant, Swiss Leading house for Latin America region**. Project: 'Assessment of Ecological footprints of soybean production systems in Minas gerais and Parana states, Brazil'. Swiss Leading house for Latin America region, University of St. Galen. 2023
- **PhD studies position at ETH Zurich. September 2021**. In the project "Deliberate: Linking the deliberative quality of soy and coffee value chains to ecological foodprints", funded by the Swiss National Science Foundation (https://agroecological-transitions.ethz.ch/people.html)
- **Travel grant** to attend the FISTAM symposium (First International Symposium on Tropical Mycology: http://fistam.leb-up.org/) in Parakou, **Benin** in September **2019**. Organized by the University of Parakou and the Goethe University Frankfurt. Funded by the Volkswagen Foundation
- **BEBUC Excellence Scholarship** for **Master studies** in Agricultural sciences at University of Nairobi, April **2017**. Funded by *Else Kröner-Fresenius Foundation* via *f*UNIKIN – Förderverein Uni Kinshasa (e.V.).(https://foerderverein-uni-kinshasa.de/?lang=en)

- **Master research grant** co-funded by BEBUC Scholarship System, funded by *Else Kröner-Fresenius Foundation* via *f*UNIKIN – Förderverein Uni Kinshasa (e.V.), in June 2018, and by **VLIR UOS** Program at the Catholic University of Bukavu, in August **2018**
- **BEBUC Excellence Scholarship** for B.Sc. studies, obtained in 2013, with prolongation in 2014 and 2015), Funded by Else Kröner-Fresenius Foundation via *f*UNIKIN – Förderverein Uni Kinshasa (e.V.)
- BSc dissertation **research supported** by the N2Africa project through funds from Bill and Melinda Gates foundation, at the International Institute of Tropical Agriculture (IITA) at Kalambo, South Kivu, DRC, in 2015-2016

WORK EXPERIENCE

February 2017 – Nov 2021 — Researcher and Lecturer Assistant at UCB (Université Catholique de Bukavu)

Lecturer Assistant at the Faculty of agricultural sciences Agronomy of the Catholic University of Bukavu, in charge of Practicals of general and tropical Pedology, Plants nutrition and Fertilisation, Topometry and Cartography, Fertilizers Technology, Soil biology units in the bachelor program.

Research on Soil fertility, sustainable intensification (good agronomy , improved varieties, organic fertilization, intercropping) of coffee production in South Kivu (in the project SVC (strengthening Value Chains) in partnership with World Coffee Researh, TetraTech and Techno Serve in South Kivu, DR Congo

February 2021 – Dec 2021 — Tutor of BEBUC Scholars of Bukavu

I was in charge of accompanying the students and pupils of Bukavu beneficiaries of the BEBUC (Bourse d'Excellence Bringmann aux Universités Congolaises) scholarship in their educational development and maintenance of academic excellence

January 2020 – June 2020 — Agronomist Research consultant at VLIR-UOS at UCB

Responsible for conducting and supervising agronomic research trials under field conditions in Walungu, in South Kivu. Leading a research team of 4 people and supervision of two bachelor students at the Faculty of Agricultural Sciences of UCB. Research title: Assessment of the influence of phosphorus mineral fertilization and arbuscular mycorhizae fungi biofertilizer application on phosphorus use efficiency and crop yield in maize-bean intercropped in field conditions in Walungu, South Kivu

Oct. 2018 - August 2019 — Research internship at Mycology Lab, East Africa Herbarium, Nairobi

At the Mycology laboratory, Botany Department, East Africa Herbarium, Nairobi. Kenya
Involved in activities of mycorrhizae fungi characherization, identification and biofertilizer production

April 2016 – June 2016 — BSc student internship at IPAPEL, South Kivu

Provincial Inspection of Agriculture, Fishing and Rearing (IPAPEL)
Management of Cassava diseases, monitoring a cultural calendar and knowledge on practical advantages of technologies of the Integrated Soil Fertility Management

August 2015 – January 2016 — BSc research training/Internship at IITA Kalambo

Laboratory of microbiology of the International Institute of Tropical Agriculture (IITA Kalambo)/ N2Africa. I was trained on rhizobia inoculant production, inoculation and nodules observation. I carried out my BSc thesis research entitled : Identification of local rhizobia strains effectives on the growth and nodulation of Soybean in greenhouse

COMMUNICATION AND MANAGERIAL SKILLS

- Good communication skills gained through my international experience as doctoral researcher, lecturer, Vice Prime Speaker of BEBUC Scholars and as the Tutor.

- Excellent leadership and organizational skills, and team work capacity. Flexible to work in a multi-cultural environment. I have been involved as speaker in academic associations as I was elected as the Vice-Prime Speaker of BEBUC Scholars, with nearly 200 scholars in DRC and around the world, in 2019.

JOB-RELATED SKILLS

Crops production and soil science

- Development of research proposals to improve crops production and manage sustainably agricultural resources. Value chains lifecycle assessment
- Analysis of soil physical and chemical properties; mineral fertilizers recommendations formulation and crops production responses assessment

Project management and research coordination

Supervision of bachelor students :

Odette Tcheupe: Effet de la fertilization organo minerale et phosphatee sur la croissance et le rendement de l'oignon dans les conditions edaphoclimatique de Mbobero au Sud Kivu, RDC. Université Catholique de Bukavu. Bachelor dissertation, 2021.

Oscar Balibike. Impact de la ferilisation minerale phosphatee sur la production de l'arachide dans les conditions de Bagira, à Kabare. Université Catholique de Bukavu. Bachelor dissertation, 2021.

Jimmy Nyakasane: Diversité des champignons mycorrhiziens dans les systèmes de culture à base de maïs (*Zea mays*) et le potentiel mycorhizien des sols au Sud Kivu, RD Congo. Mémoire de fin de cycle universitaire. Université Catholique de Bukavu. 2019:

Bonheur Kanani and Yves Marhegane in 2023.

Computer skills

- Good knowledge of GIS with **ArcGIS Pro** and **QGIS** softwares. Good command skills with Python, and R, Github. Good knowledge of Brightway2 and Activity Browser

Conferences, Seminars and other courses attended

- LCA Food Conference 2024. Healthy food systems for a healthy planet. Universite de Barcelona, Spain, 8-12 Sept. 2024.
- Tropentag 2023. Competing pathways for equitable food systems transformation: trade-offs and synergies. Humboldt Universitat Zu Berlin, 20-22 September 2023. Berlin, Germany
- Brightcon 2023: Open sustainability event - Brightway. 16-20.09.2023, Esche-Sur-Azette, Luxembourg.
- World Food System Summer school 2022. Food Systems in Transition, 6 – 21, August 2022, Rheinau, Switzerland
- First International Symposium on Tropical Africa Mycology, Parakou University, 9-13 September, 2019, Parakou, Benin

REFEREES

	Prof Dr Johan Six Sustainable Agroecosystems group, ETH Zurich, Switzerland Email: johan.six@usys.ethz.ch
	Prof. Dr Johanna Jacobi Institute of Agricultural Sciences, ETH Zurich, Switzerland Email: Johanna.jacobi@usys.ethz.ch ; Phone +41 44 632 47 53
	Prof Dr Stefan Pfister. Ecological design group, ETH Zurich stephan.pfister@ifu.baug.ethz.ch

Done in Zurich, 9th March 2024,
Réussite Bugale Malembaka