

CURRICULUM VITAE

PERSONAL DATA

Name : Kennedy Katazo **MUIMUI**

Date of Birth : 5 October 1962

Citizen : Zambian.

Marital Status : Married

Address : Misamfu Regional Research Centre,
Box 410055, Kasama,
Zambia
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INSTITUTIONS ATTENDED

College: Natural Resources Development College, Lusaka.

University: University of Malawi (Bunda College of Agriculture), Lilongwe, Malawi.
University of Nairobi, Nairobi Kenya

HIGHEST ACADEMIC QUALIFICATIONS

MSc .Plant Breeding and Genetics (2007), University of Nairobi

AWARDS

2011: Borlaug International Agriculture Science and Technology Fellowship Program, Pennsylvania State University, Pennsylvania, USA

2010: Awarded a six month training fellowship by the International Atomic Energy Agency for training in Plant Breeding and Genetics (Induced Mutation breeding), Vienna, Austria.

2001: Awarded a scholarship by PABRA/CIAT/SABRN to pursue MSc programme in Plant breeding at the University of Nairobi

1995: Awarded a six month training fellowship by the International Atomic Energy Agency for training in Plant Breeding and Genetics (Induced Mutation breeding), Faisalabad, Pakistan

1989: Awarded a three year FAO fellowship to study for Bachelor of Science degree in Agriculture, at the University of Malawi, Bunda College of Agriculture, Malawi.

1988: First prize award for being the best participant in the bean research technicians training course held in Arusha, Tanzania.

1987: First prize award for being the best technician in the first SADC/CIAT technicians course held in Lilongwe, Malawi.

Responsibilities, Positions and Achievements

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- Southern Africa Regional Bean Research Network (SABRN) National Coordinator
- PI for the IAEA Induced Mutation Breeding Project 1995-1998
- Released twenty (20) Improved bean varieties to date
- Head of the Bean Program Zambia
- Chair of the SABRN 2004-2005, 2009-2010
- Programmes Officer Misamfu Regional Research Centre
- APPSA Lead Scientist -Legumes 2014-2020
- PI of the project '***Improving Livelihoods of Smallholder Farmers through Increased Bean Productivity, Production and Income in Zambia*** - Benefit Sharing Fund - International Treaty on Plant Genetic Resource for Food and Agriculture (ITPGRFA)
- PI on regional Sub-project - **Developing bean varieties for high Fe and Zn with resistance to ALS and CBB in Zambia, Malawi and Mozambique**
 - Co PI on regional Su-project - **Improving bean productivity in low soil fertility and drought prone areas** in Mozambique, Zambia and Malawi
 - Co-PI on **SO1.A3 Improving Genetic Yield Potential of Andean Beans with Increased Resistances to Drought and Major Foliar Diseases and Enhanced Biological Nitrogen Fixation (BNF)**, Michigan state University, USA
 - Co-PI on sub-project -**Genetic approaches to reducing fungal and Oomycetes soilborne problems of common beans in Eastern and Southern Africa**, University of Nebraska Lincoln, USA

PROFESSIONAL UPGRADING AND EXPERIENCE OVER THE YEARS

2020: Participated in the Africa Seed Trade Association (AFSTA) Congress, Livingstone, Zambia

2019: Participated in the Agricultural Productivity Programme for Southern African (APPSA) End of Project Conference, Johannesburg, South Africa

2018: Participated in the Agricultural Productivity Programme for Southern African (APPSA) First Scientific Conference, Lilongwe, Malawi.

2017: Participated in the APPSA Legumes Commodity Review and Planning Meeting. Nampula, Mozambique

2016: Participated in the Global Cowpea and Legumes conference, Livingstone, Zambia

2014: Participated in the APPSA Review and Planning Workshop, 22-30th Sept. 2014, Lusaka, Zambia

2014: Attended the Strengthening Agricultural Innovation Platform Capacity in East and Southern Africa training Workshop (SIMLESA), Kigali, Rwanda

2014: Attended the Marker Assisted Breeding Short Course, Michigan State University, USA

2014: Participated in the Legume Innovation Lab 2014 Global Researchers Meeting, May 12 - 16, the Radisson Blu Hotel in Athens, Greece

2014: Attended the 1st CCARDESA General Assembly, 06th – 10th May 2014 Gaborone, Botswana

2013: Participated in the Drought workshop: Mesoamerican and Andean Bush Bean 11-14 September 2013. CIAT Cali, Colombia

2013: APPSA Workshop, Mangochi, Malawi

2013: Participated in the Legume Innovation Lab (LIL) Project Team Planning Meeting May 13-17, 2013 Hotel Quito, Quito, Ecuador

2013: SABRN Steering Committee Meeting, Maseru, Lesotho.

2013: Participated in the 2nd Regional Meeting for Agriculture Productivity Programme for Southern Africa (APPSA), Courtyard Hotel, Livingstone, Zambia

2013: Participated in the Integrated Seed Sector Development in Africa (ISSD) Synthesis Workshop for Zambia, Cresta Golf View Hotel, Lusaka, Zambia

2012: SABRN SC meeting in Lubumbashi, DRC

2012: Participated and presented a paper at the Zambia Seed Assessment Workshop, Sandy's Creation Lusaka, Zambia

2012: Participated in the Stakeholder Workshop for S3P IFAD funded project on Beans and Cassava Productivity promotion Programme

2011: Participated in 'Developing climate-smart crops for a 2030 world' Workshop Addis Ababa, Ethiopia

2011 (November): ACTESA's 5th Stakeholders Forum and COMRAP Wrap Meeting, Crossroads Hotel-Lilongwe, Malawi

2011: Training in the Use of Root Architecture In Beans for phosphorus uptake efficiency, Pennsylvania State University, Horticulture Unit, University Park, State College, Pennsylvania, USA

2011: Knowledge Management (KM) Workshop, Imperial Royale Hotel, Kampala Uganda

2011: PABRA Bean Breeders' Workshop, Pacific Hotel, Lilongwe, Malawi

2011: SABRN SC Meeting Harare Zimbabwe

2010: IAEA Molecular Biology and Induced mutation in bean training, Vienna, Austria

2010: PABRA M&E, Gender and Markets workshop, Imperial Royale Hotel, Kampala Uganda

2010: Breeders Right Workshop, Sandy Creation, Lusaka Zambia

2010: Regional Seed Systems Training workshop, Cross Roads Lodge, Lusaka, Zambia

2010: Bean Stakeholder workshop, Commonwealth Youth Program Centre, Lusaka, Zambia

2010: Diffusion Improved Varieties in Africa (DIIVA) Expert Panel meeting, Lusaka, Zambia

2010: SABRN Steering Committee meeting Maputo, Mozambique

2009: Attended the Bean Breeders workshop, Lilongwe, Malawi

2009: Attended the PABRA stakeholder workshop, Lilongwe, Malawi.

2009: ICART Proposal Writing Workshop -Arusha, Tanzania

2009: Participated in the PABRA Steering Committee Meeting, Nairobi, Kenya

2009: Participated in the SADC-ICART Proposal Writing Training Workshop, ESAMI, Arusha, Tanzania.

2009: PABRA Planning Forum –Kampala, Uganda

2009: SABRN Steering Committee meeting -Potchefstroom, RSA

2008: Participated in the PABRA Steering Committee meeting, Lusaka Zambia

2008: Participated in the PABRA Joint Steering Committee meeting for ECABRN and SABRN, Lilongwe, Malawi

2007: Participated in the PABRA Joint Steering Committee meeting for ECABRN and SABRN, Nyeri, Kenya

2005: Participated in the PABRA Steering Committee Meeting, Arusha , Tanzania

2005: Participated in the SABRN Steering Committee Meeting, Lusaka, Zambia

2004: Participated in the Participatory Plant Breeding Training Workshop, Kakamenga, Kenya.

2004: Participated in the SABRN Steering Committee Meeting, Lilongwe, Malawi

2003: Participated in the Sixth Conference of the African Crop Science Society, Nairobi, Kenya

2003: Participated in the Marker Assisted Selection training workshop, Kampala, Uganda

1995: Underwent a 6 months training in Plant Breeding and Genetics (Induced Mutation Breeding), (June - December 1995), Faisalabad, Pakistan.

2001: Attended the Pan African Bean Research Alliance (PABRA) Steering Committee Meeting, Butare, Rwanda.

2001: Participated in the PABRA Millennium Synthesis: A Workshop on Bean Research and Development in Africa over the last Decade, Novotel Mount Meru, Arusha, Tanzania.

2001: Attended the bean SABRN Steering Committee Meeting, Maputo, Mozambique

2000: Participated in the National Soils and Crops Research Branch Planning Workshop, Kafue, Zambia.

2000: Participated in the SABRN Steering Committee Meeting, Lusaka, Zambia.

1999: Participated in the Senior Management course by MAJOHN , Siavonga, Zambia

1999: Participated in the Bean Improvement for Low Fertility in Africa Working Group Meeting in Arusha, Tanzania

1999: Attended the PAN African Bean Breeders' Working Group Meeting, Nairobi, Kenya.

1999: Attended the bean SABRN Steering Committee Meeting, Potchefstroom Republic of South Africa.

1998: Participated in the SADC Bean Network Steering Committee Meeting, Arusha, Tanzania.

1998: Participated in the INTG Agricultural Research Management Training for NARS Program Leaders, Egerton University, Njoro, Kenya.

1997: Participated in the SADC Bean Network Steering Committee Meeting, Lilongwe, Malawi.

1996: Participated in the National Crops Research Planning Workshop, Lusaka, Zambia.

1996: Participated in the Legume Breeders Workshop, IITA, Ibadan and Kano, Nigeria.

1995: Attended the 23rd Post Graduate Training Course on Nuclear and Other Advanced Techniques in Agricultural and Biological Research, Faisalabad, Pakistan.

1995: Attended a training course on The Safety Measures in The Use of Radiation in Agriculture and Biology. Faisalabad, Pakistan.

1994: Participated in the First Crop Research Planning Workshop, Lusaka, Zambia.

1994: Participated in the Review and Planning Meeting for Pigeonpea Improvement in Eastern and Southern Africa, Nairobi, Kenya

1994: Participated in the SADC Bean Breeders Working Group Meeting, Lilongwe, Malawi.

1994: Participated in the SADC Bean Network Steering Committee Meeting, Lilongwe, Malawi.

1993: Participated in the Monitoring tour of bean research programmes and growing areas of Southern Tanzania and Northern Zambia.

1993: Attended an Advanced training course in Experimental Design and Data Processing, Arusha, Tanzania

1990: Resource Person for Bean Research Methods Course for Research Assistants, Lilongwe, Malawi.

1988: Attended the National Workshop on Food legumes Research and improvement, Mfuwe, Zambia.

1988: Attended a Regional Training course for Food Legumes Research Technicians, CIAT, Arusha, Tanzania.

1987: Attended a Regional Training course for Food Legumes Research Technicians, Lilongwe, Malawi.

POSITION HELD

- Chief Agricultural Research Officer -Crop Improvement and Agronomy 2021 (Feb) - to date
- Principal Agricultural Research Officer, 2009 -2021
- Senior Agricultural Research Officer, 1998 –2009
- Agricultural Research Officer, 1995-1998
- Agriculture Supervisor, 1986-1995

Membership

- Member of the Bean Improvement Cooperative, Michigan State University, USA.
- Member of the SABRN Steering Committee
- Member of the SADC Bean Breeders Network
- Member of the Agricultural Society of Zambia

RESEARCH INTERESTS/VISION

To enhance bean research for development by disseminating improved bean and bean-based technologies to small holder farmers and other stakeholders. This can be achieved through;

- Develop bean varieties with of high micronutrients (Iron and Zinc) to address nutrient needs in diets.
- Identifying major bean diseases and pests and their proper control measures
- Intensify research with other organizations and institutions in identifying preferred seed types for local, regional or international market niches.
- Increase collaboration with other partners and stakeholders in bean-based technology dissemination.

PUBLICATIONS

1. **Kennedy Muimui**, Mwiinga Mulube, Chikoti Mukuma Robert Lungu and Prosperity Chikuma; (2021) Bean Production Guide for Zambia -Zambia Agriculture Research Institute
2. **Kennedy Muimui**, Mwiinga Mulube, Chikoti Mukuma Robert Lungu and Prosperity Chikuma; (2021) Bean Variety Descriptor 3rd Edition - Zambia -Zambia Agriculture Research Institute
3. Chikoti Mukuma, Graciela Godoy-Lutz, Kent Eskridge, **Kennedy K. Muimui**, Carlos A. Urrea (2020); Use of culture and molecular methods for identification and characterization of dry bean fungal root rot pathogens in Zambia.
4. Bodo Raatz . Clare Mukankusi . Juan David Lobaton . Alan Male .Virginia Chisale . Berhanu Amsalu . Deidre ´ Fourie . Floride Mukamuhirwa .**Kennedy Muimui**. Bruce Mutari . Susan Nchimbi-

Msolla . Stanley Nkalubo .Kidane Tumsa . Rowland Chirwa . Mywish K. Maredia . Chunlin He, **(2019)**, Analyses of African common bean (*Phaseolus vulgaris* L.) germplasm using a SNP fingerprinting platform: diversity, quality control and molecular breeding

5. Alex Abaca, Rod Scott, Robert Lungu, **Kennedy K. Muimui**, John R. Beeching; **(2018)**, Determination of Micro- and Macro-Element Concentrations and their Diversity from the Common Bean (*Phaseolus Vulgaris*, L) Landraces of Zambia
6. Mywish K. Maredia, Byron A. Reyes, Joseph Manu-Aduening, Awere Dankyi, Petan Hamazakaza, **Kennedy Muimui**, Ismail Rabbi, Peter Kulakow, Elizabeth Parkes, Tahirou Abdoulaye, Enid Katungi, and Bodo Raatz **(2016)**. Testing Alternative Methods of Varietal Identification Using DNA Fingerprinting: Results of Pilot Studies in Ghana and Zambia
7. Carlos A. Urrea, Stanley Nkulubo, **Kennedy Muimui**, James Steadman and James D. Kelly **(2016)** Identification of Drought Resistant Germplasm for Uganda and Zambia.
8. Manuel I. V. Amame, Virginia Chisale, **Kennedy Muimui**, Rowland Chirwa Samuel Camilo and Celestina Jochua and Magalhaes A. Miguel **(2016)** Use of Root Traits in Screening Common Beans (Pv) Genotypes Tolerant to Drought in Mozambique, Malawi and Zambia.
9. Petan Hamazakaza, Enid Katungi, Byron Rayes, **Kennedy Muimui** and Mywish Maredia **(2016)**. Assessing Access and Adoption of Common Bean Varieties in Northern in Zambia.
10. Mathias Tembo, **Kennedy Muimui** and Patrick Chiza Chikoti **(2016)** Summary of the Bean Diseases Regional Trials Planted at Mt Makulu in 2014/15 in Zambia.
11. Patrick Chiza Chikoti and **Kennedy Muimui (2016)**. Occurrence and distribution of Angular leaf spot of common bean in Zambia
12. **Kennedy K. Muimui et al., (2016)** Identifying acceptable improved bean varieties for income and nutrition in Zambia –poster presented at the Pan-Africa Legume and World cowpea conference, Livingstone, Zambia
13. Carlos A. Urrea, **Kennedy Muimui**, James Steadman, Suzana Fernandes, Graciela Godoy-Luiz, Chikoti Mukuma, Kent Eskridge, Eduardo Valentin Cruzado and Marcial Pastor Corrales **(2015)** Identification of Root Rot Resistant Germplasm for Mozambique and Zambia
14. Graciela Godoy-Lutz, Chikoti Mukuma, J. R. Steadman, Suzana Fernandes **Kennedy Muimui**, Celestina Jochua (2015) Diagnosis of Fungal Bean Root Rot Pathogens using Molecular and Culture Methods
15. Joseph Awika, Susanne Talcott, Lloyd Rooney, Bir Bahadur Singh, Chitundu Kasase, John Shindano, Kalaluka Lwanga Muniyinda, **Kennedy Muimui**, Abdul Faraj, Prisca Tuitoek, Amanda

Minnaar and Gyebi Duodu, (2015) Increasing utilization of cowpeas to promote health and food security in Africa.

16. **Muimui K. Kennedy, (2015).** Zambia Bean Varieties Descriptor 2nd Edition
17. **Muimui K. Kennedy et al., (2013)** Integrated Pest and Disease Management (IPDM) and Integrated Soil Fertility and Water Management (ISFWM) Options for Bean Production in Zambia
18. **Muimui K. Kennedy, (2012).** Zambia Bean Varieties Descriptor
19. **Muimui, K. K., P.M.. Kimani and J.W. Muthomi, (2011).** Resistance and inheritance of common bacterial blight in yellow bean, African Crop Science Journal, Vol. 19, No. 4, pp. 277 – 287.
20. J.W. muthomi, **K.K. Muimui** and P.M. Kimani, (2011). Inheritance of resistance to angular leaf spot in yellow beans, , African Crop Science Journal, Vol. 19, No. 4, pp. 267 – 275
21. Munyinda K., M.S. Mwala, Sohata P.H, D.M. Lungu , **K. Muimui**, J.C. Mataa, I. Nawa, T. Kambikambi, R. Chanda, J.C. Musanya C. Phiri (2009): Improvement of Carioca bean variety through induced mutation
22. Kimani, P.M., **K. Muimui**, J. Muthomi, R.Chirwa and R. Buruchara. 2005. Inheritance of resistance to angular leaf spot in yellow beans. In: Bean Improvement for the Tropics, Annual Report. CIAT, Cali, Colombia, p200-201.
23. **Muimui K. Kennedy (2004)** Inheritance and Selection for Resistance to Angular leaf spot and Common bacterial blight in Yellow Beans. MSc Thesis, University of Nairobi, Kenya.
24. **Muimui, K., P.M. Kimani, J. Muthomi and R. Chirwa. (2003).** Breeding for resistance to angular leafspot, common bacterial blight and rust in yellow,brown and tan bean types in southern, eastern and central Africa. Proceedings of Sixth Afr. Crop Science Conference, 12-17 Oct 2003, Nairobi, Kenya.
25. **Muimui Kennedy**, Kanenga K., Kasalu H and Zulu M. (2001). Bean Selection in partnership with farmers in Zambia. Poster paper In the proceedings of the PABRA Millennium Synthesis: A Workshop on Bean Research and Development in Africa over the last Decade, Novotel Mount Meru, Arusha, Tanzania.
26. **Muimui Kennedy. 1994a.** Current Status of Pigeon-pea Research and Development in Zambia. In proceedings of the Review and Planning Meeting for Pigeon-pea Improvement in Eastern and Southern Africa, Nairobi, Kenya.

27. **Muimui Kennedy. 1994b.** Beans Breeding Research in Zambia. In Proceedings of the SADC Region Bean Breeders Working Group Meeting, Lilongwe, 26-29 September, 1994. Network of Bean Research in Africa. Workshop series, No. 29, CIAT, Dar-es-Salaam,
28. **Muimui Kennedy. 1992.** Pathotyping of Angular Leaf Spot (*Phaeoisariopsis griseola*) and sources of resistance in some of the Malawian common beans (*Phaseolus vulgaris*) germplasm B.Sc. Thesis. University of Malawi, Bunda College of Agriculture, Lilongwe, Malawi.

REFEREES

1. Mr. Ivor Mukuka, Director, Zambia Agriculture research Institute, P/Bag, 7, Chilanga, Lusaka, Zambia
2. Dr. Rowland Chirwa, SABRN Coordinator, CIAT, Lilongwe, Malawi
3. Dr. Kelvin Kamfwa, Senior Lecture/Bean Breeder, University of Zambia, Lusaka, Zambia