

## CURRICULUM VITAE



Name : Dr. J.W. Kamau  
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School: Pure and Applied Sciences  
Department: Plant Science

### **EDUCATION BACKGROUND:**

2013: Project Management, at International Institute of Management –**Galilee, Israel**

2013: World Bank Environment and Socio Safe Guards Policies and Regulations Training. **Addis Ababa -Ethiopia.**

2012: Strategic Leadership and management, Kenya School of Government (**KSG/KIA**)

2007. PhD Degree in Plant Breeding. University of KwaZulu-Natal, **South Africa**

2000: Proposal writing course in ILRI, Nairobi, **Kenya.**

1996: Advanced data management and utilisation course in Kampala, Uganda.

1994: Advanced plant-breeding course in International Institute of Tropical Agriculture, **Nigeria.**

1991 - 93: Msc. Degree in Plant Breeding from University of Wales, **UK.**

1984 - 85: Post graduate training in plant genetic resources (conservation and utilisation) in **West Germany.**

1978 – 81: Bsc. Degree in Botany, University of Nairobi, **Kenya.**

### **SUPERVISION OF POST GRADUATE STUDENTS**

2011- 2012 Mary Githaiga MSc- registered at Kenya Methodist University. **Graduated.**

2009 to 2012 Peninah Njenga, a PhD student in Plant breeding registered at Makerere University, Uganda. **Yet to graduate**

**RESEARCH PROJECTS WRITTEN AND FUNDED:**

2012-2014 Developing early bulking cassava varieties with acceptable agronomic and end-user preferences. Funded by Pro-AGRA, US\$ 150,000 for three year.

2010- Managing East African Agricultural Research Productivity Project on cassava

2009- 2012: Breeding for high beta carotene content in Cassava roots.

2008 – 2009: Physiological Mechanisms and their Variability for Drought Tolerance in Cassava. Funded by German government (BMZ/GTZ), EURO 60,000.00

2007-2010: Developing early bulking cassava varieties with acceptable agronomic and end-user preferences. Funded by Pro-AGRA, US\$ 182,300 for three year.

2001-2003: Phase 2: Accelerated multiplication and distribution of improved cassava varieties in Western and Nyanza provinces, funded by The Rockefeller Foundation and The Gatsby Charitable Organisation, UK, US \$ 200,000

1999-2003: Cassava mosaic disease pandemic mitigation in East and Central Africa (Cassava multiplication in Western and Nyanza provinces) funded by USAID, US\$ 90,000 per year.

1997-2000: Phase 1: Accelerated multiplication and distribution of improved cassava varieties in Western and Nyanza provinces, funded by The Rockefeller Foundation and The Gatsby Charitable Organisation, UK, US \$ 200,000

1994- 2000: Pre and Post harvest improvement of cassava research work and extension by International Institute of Tropical Agriculture, US\$ 40,000 per year.

1987-1989: Wild species of grain legumes and underutilized grain legumes. Project funded by the national council for science and technology of Kenya. KSH 122,400.00  
: Dryland seed multiplication of food crops under FAO sponsored project  
: Onfarm training of farmers in food crop husbandry

1985-1990: Conservation and exchange of Dryland germplasm

1983- 1983: Breeding of sorghum crop that generated the crosses emanated with the release of KARI Mtama-1

1981- 82: Breeding of cowpeas for grain and vegetables

## **PUBLICATIONS AND OTHER PROFESSIONAL ASSIGNMENTS:**

- Kamau, J.W.**; Laing, M.; Melis R. and Migwa, U. Different Gender Preferences in Cassava a Breeder Should Consider. *Accepted at as a Conference Paper to be presented in cassava conference in Kampala - Uganda 28 – 30<sup>th</sup> July 2014*
- Sikuku P.A., Kimani J.M., **Kamau J.W.** and Simon Njinju. 2014. Comparison of different improved upland rice varieties to low soil nitrogen adaptability. *Accepted at as a Conference Paper to be presented in cassava conference in Morogoro - Tanzania 15<sup>th</sup> – 18<sup>th</sup> July 2014*
- Njenga, P., Edema, R. and **Kamau, J.**, 2014: Combining ability for beta-carotene and important quantitative traits in cassava<sub>F1</sub> population. *Journal of Plant Breeding and Crop Science Vol. 6(2), pp. 26-30, February 2014*
- Kamau, J. W.**, Melis, R., Laing, M., Derera, J., Shanahan, P. and Ngugi, E. C. K., 2011. Farmers' participatory selection for early bulking cassava genotypes in semi-arid Eastern Kenya, *Journal of Plant Breeding and Crop Science Vol. 3(3), pp. 44-52, March 2011*
- Njenga, P. W., Edema, R. **Kamau, J.W.**, September 2010 Variability in carotenoid content among introduced yellow-fleshed cassava clones. *Second RUFORUM Biennial Meeting 20 - 24 September 2010, Entebbe, Uganda. pp 139-142*
- Kamau, J.W.**, Melis, R., Derera, J. and Laing, M. R., Shanahan, P., E.C.K. Ngugi, 2010. Combining ability of selected cassava genotypes for yield and secondary traits in the semi-arid areas of Eastern Kenya. *Journal of Plant Breeding and Crop Science Vol. 2(7), pp. 181–191, July 2010*
- Kamau, J.W.**, Melis, R., Laing, M., Shanahan, P., Derera, J. 2007. Farmers Participatory selection for early bulking cassava genotypes in the semi-arid areas of eastern Kenya. *In: Biotechnology, Breeding and Seed Systems for Africa. (Research and product development that reaches farmers) 26 to 29 March 2007, Maputo, Mozambique. Abstract. Pp 87*
- Kamau J.W.**, R. Melis, M. Laing, P. Shanahan. 2006. Participatory based development of early bulking cassava varieties for the semi-arid areas of Eastern Kenya. PhD Thesis. University of KwaZulu-Natal
- Kariuki, C.W., **J.W. Kamau**, Mbwika, J., Munga, T., Makhoha, A.O., Tunje, T., Nzioki, S.Gatheru, Njaimwe, Wambua, Odendo, M. Lutta, M. and Karuri, E.G. 2002. A report on Cassava sub-sector analysis for Kenya. In J.M. Mbwika, P. Ntawuruhunga, C. Kariuki and A. Makhoka (eds). *Proc. of the regional workshop on improving the cassava sub-sector, Nairobi Kenya. April 2002. Pp35.*
- Legg, J.P.Sseruwagi, B.Owor, J.B.A. Whyte, H.Obiero, **J.W. Kamau**, L. Ndyetabula, S.Jeremiah and G.W.Otim-Nape. July 2001. Management of cassava mosaic geminiviruses in East and Central Africa. *Presented at the geminiviruses meeting at John Innes Centre UK.*
- Kamau, J.W.** L. Muhamed, C.W. Kariuki, P.J. Ndolo, and T.L. Munga. 1998. Cassava in Kenya. In the proceedings "Cassava mosaic disease management workshop held held at Sunset Hotel Jinja, Uganda 7- 8 December, 1998.
- S.T.Gichuki, E.Carey, R.Mwanga, R.Kapinga, P.J.Ndolo and **J.W. Kamau**. Presented at

- the ISTRC-AB, 1995. Evaluation of sweet potato seedling progenies in Kenya and Tanzania. Kamau, J.W., S. Nguluu, J. Kinama. Presented at the ISTRC-AB, 1999. Farmer evaluation of cassava varieties in the semi arid areas of Kenya.
- Ndolo, P.J., E. Carey, S.T. Gichuki, G. Maisiba, J. Ngungi, J.W. Irungu, **J.W. Kamau**, C. Lusweti and D. K. Maina. Presented at the ISTRC-AB, 1995. Multilocational testing of sweet potato clones in Kenya.
- Kamau J.W.** and H. Thomas. Identification of genetic diversity in physiological responses to stress in maize. University of Wales UK., Msc thesis, 1993.
- Kamau, J.W.**, Kinama, J.M., Nguluu, S.N., Muhammad, L., Whyte, J.B.A., Ragwa, S.M., Migwa, E.N. and Simiyu, P.M. 1998b. Farmer's evaluation of cassava varieties in the semi-arid areas of Kenya. In: Akoroda, M.O., and Ngeve, J.M. (eds.) *Root Crops in the 21<sup>st</sup> century. Proceedings of the seventh ISTRC-AB. Pp. 378-383*
- Kamau, J.W.**, P.J. Ndolo, A. Mambiri, C.M. Githunguri, S.T. Gichuki, B.A. Bugusu, F. A. Omari, F. Kusewa, Presented at the ISTRC-AB, 1995. An update of cassava program in Kenya, *Root Crops in the 20<sup>th</sup> century. Proceedings of the seventh ISTRC-AB.*
- Kermali, I.K., A. Shakoor, **J.W. Kamau**, 1983. Abstract, Breeding sorghums for semi arid area *E. Afr Agri and For. J. Vol.44.*
- Waite, B.H., A. Shakoor, I.R. Kermali, **J.W. Kamau**. Evaluation of resistance of sorghum varieties to charcoal rot disease, (*Macrophomina phaseolina*) 1983. *E. Afr. Agri and For. J. Vol.44.*
- Wambua . J., C. Kariuki, **J. Kamau**, D. Njarui, D. Miano, G. Keya and S. Nguluu  
Cassava market demand analysis for improved commercialization in Kenya. *Proceedings of the 12th KARI biennial scientific conference, Nairobi, Kenya 8<sup>th</sup> to 12<sup>th</sup> November, 2010*
- Shakoor, E.C.K. Ngugi, S. Muthoka, **J.W. Kamau**, 1983. Improvement of cowpea varieties for the dryland areas in Kenya, *E. Afr. Agri and For. J. Vol.44.*