

Senior Lecturer	
<p>Dr. Jenipher Bisikwa Senior Lecturer/Agronomist, Department of Agricultural Production, School of Agricultural Sciences, College of Agricultural and Environmental Sciences, Makerere University P.O. Box 7062, Kampala, Uganda Mobile: +256 782682334 Email: jbisikwa@caes.mak.ac.ug Alternative Email: bisikwa@gmail.com Skype:</p>	
Professional Training and Experience	<p>2005: PhD (Applied Plant Sciences), University of Minnesota, USA 2001: M.Sc. (Agronomy/Weed Science), University of Minnesota, USA 1997: M.Sc. (Crop Science), Makerere University, Kampala, Uganda 1995: B.Sc. (Agriculture), Makerere University, Kampala, Uganda</p>
Research Interests/Expertise	<p>Dr. Bisikwa is an Agronomist by specialization, who has been engaged in research, training and outreach activities focusing on the management of crop production constraints using participatory approaches that involve the participation of resource-limited farmers. Under various research projects, she have been involved in participatory development and dissemination of appropriate agronomic packages together with farming communities. She has also supervised research projects for both undergraduate and post-graduate students, with over 20 undergraduate special projects to completion and over 10 MSc and PhD students to completion. Dr. Bisikwa has also been recognized for dedication and commitment to excellence in mentoring as a distinguished Career Mentor, African Women in Agricultural Research and Development (AWARD), CGIAR Gender & Diversity Program. Mentorship has been a key area of her work experience since 2005 because she went through a Mentoring Program as a Mentee under Gender and Diversity Program funded by the Rockefeller Foundation and later as a Career Mentor under AWARD funded by the Gates Foundation. Through this mentoring experience, mentoring both young female and male scientists has become her lifelong passion because of its multiplier effect. Currently, she is one of the Trainers under GREAT (Gender-responsive Researchers Equipped for Agricultural Transformation) Project, where research fellows from Sub-Saharan Africa are equipped with gender-responsive tools that aid in research design and implementation along the crop value chain in order to benefit both farmers and consumers.</p>
Publications	<p>Rodenburg J, Cissoko M, Kayongo N, Dieng I, Bisikwa J, Irakiza R, Masoka I, Midega CAO and Scholes JD (2017). Genetic variation and host–parasite specificity of <i>Striga</i> resistance and tolerance in rice: the need for predictive breeding. <i>New Phytologist</i> 214 (3) 1267–1280.</p> <p>Omiat E. G., J. M. Ssebuliba, V. A. Ochwoh and J. Bisikwa (2015). Sweetpotato tuber yield and carotenoid response to green manure and inorganic fertilizers in eastern Uganda. <i>African Journal of Applied Agricultural Sciences and Technologies</i> 2[1]: 92-103</p> <p>Ddungu S.P., W. Ekere, J. Bisikwa, R. Kawooya, D. Okello Kalule, M. Biruma</p>

(2015). Marketing and Market integration of cowpea (*Vigna unguiculata* L. Walp) in Uganda. *Journal of Development and Agricultural Economics* 7(1): 1-11

Emily Wabuye, Agnes Lusweti, **Jenipher Bisikwa**, Gerald Kyenune, Krissie Clark, Wayne D. Lotter, Andrew J. McConnachie and Mersie Wondi (2014). A Roadside Survey of the Invasive Weed *Parthenium hysterophorus* (Asteraceae) in East Africa. Source: *Journal of East African Natural History*, 103(1):49-57. 2014. Published By: Nature Kenya/East African Natural History Society, DOI:<http://dx.doi.org/10.2982/028.103.010> URL:<http://www.bioone.org/doi/full/10.2982/028.103.0105>

Emmanuel K. Mbeyagala, Blasio S. Mukasa, Phinehas Tukamuhabwa & **Jenipher Bisikwa** (2014). Evaluation of Cowpea Genotypes for Virus Resistance Under Natural Conditions in Uganda. *Journal of Agricultural Science*; Vol. 6, No. 10; 2014 ISSN 1916-9752 E-ISSN 1916-9760 Published by Canadian Center of Science and Education

J. Bisikwa, W. Walukano, M.A.Ugen, A. M. Muyinda, and J. H. Muyonga (2014). Effect of plant density and cropping pattern on grain amaranth [*Amaranthus* sp.] performance in selected agroecological zones in Uganda. *African Journal of Applied Agricultural Sciences and Technologies* 1[2]: 115-130

J. Bisikwa, R. Kawooya, J.M. Ssebuliba, S.P. Ddungu, M. Biruma and D.K. Okello (2014). Effects of plant density on the performance of local and elite cowpea [*Vigna unguiculata* L. (Walp)] varieties in Eastern Uganda. *African Journal of Applied Agricultural Sciences and Technologies* 1[1]: 28-41

J.M. Ssebuliba, R. Kawooya, **J. Bisikwa**, S.P. Ddungu, M. Biruma and D.K. Okello (2014). Influence of intercropping on the performance of elite cowpeas [*Vigna unguiculata* L. (Walp)] varieties and maize [*Zea mays* L.] in Eastern Uganda. *African Journal of Applied Agricultural Sciences and Technologies* [1]: 42-51

Frank Olwari, **Jenipher Bisikwa**, Archileo Natigo Kaaya and David Kalule Okello (2013). Tolerance Levels of Peanut Varieties against *Aspergillus flavus* Infection. *The International Open Access Journal of Plant Pathology & Microbiology*. ISSN:2157-7471

	<p>Frank Olwari, Archileo N. Kaaya, and Jenipher Bisikwa (2012). Evaluation of peanuts for Mold Infection and Aflatoxin Contamination. LAP LAMBERT Academic Publishing. ISBN: 978-8465-1925-7</p> <p>Okello, D. K., Kaaya, A. N., Bisikwa, J., Were, M., & Oloka, H. K. (2010). Management of Aflatoxins in Groundnuts: A manual for Farmers, Processors, Traders and Consumers in Uganda. National Agricultural Research Organisation, Entebbe. ISBN: 978-9970-401-00-0</p>
<p>Innovations Developed and Awards Won</p>	<p>2008-2010: Recognized for dedication and commitment to excellence in mentoring (Career Mentor), African Women in Agricultural Research and Development (AWARD), CGIAR Gender & Diversity Program, Kenya</p> <p>2008: Carnegie Corporation of New York Post-Doctoral Research Grant, Directorate of Research and Graduate Training, Makerere University, Uganda</p> <p>2005-2006: The Rockefeller/Gender and Diversity mentoring Fellowship, Kenya</p> <p>2003: Heug-Harrison mentoring Fellowship, St. Paul, Minnesota, USA</p> <p>2001-2002: Honorary Award for academic excellence, Honors Society of Agriculture, University of Minnesota Chapter, USA</p> <p>1999: AURI grant - Agricultural Utilization Research Institute (AURI) project, USA</p> <p>1997-2004: Project AgGrad Scholarship, USA</p> <p>1998-2004: Research Assistantship, University of Minnesota, St. Paul, USA</p> <p>1995: Scholarship by World Bank (ARTP project), Makerere University, Uganda</p>
<p>Research Projects</p>	<p>2012-2017: Team Leader/Agronomist, BBSRC funded project on Screening and understanding resistance and virulence of parasitic weed, <i>Striga hermonthica</i> in upland rice production in Eastern Uganda</p> <p>2009-2014: Team Leader/Agronomist, The McKnight Foundation Funded project on Participatory Development of High Yielding and Pest Resistant Farmer-preferred Cowpea varieties in Uganda</p> <p>2009-2013: Collaborator/Agronomist, The McKnight Foundation Funded project on Promoting production and utilization of Grain Amaranth for</p>

	<p>improved nutrition and health in Uganda</p> <p>2010-2012: Team Leader/Agronomist, RUFORUM Funded Project on Participatory Management of <i>Striga</i> in Cereal-Based Cropping Systems in Eastern Uganda</p> <p>2009-2011: Team Leader/Agronomist, Carnegie Corporation of New York Funded Project on Production of High Value Peanut-Based Product from Groundnut varieties with low Aflatoxin levels</p>
<p>Professional Membership and Activities</p>	<ul style="list-style-type: none"> • Association of Uganda Professional Women in Agriculture and Environment (AUPWAE) • Professional Women’s Network (PULSE-NETWORK), Uganda • Career Mentor, African Women in Agricultural Research and Development (AWARD), Gender and Diversity Program • Agronomist, Gender-Responsive Researchers Equipped for Agricultural Transformation (GREAT): Cornell-Makerere Certificate program • African Crop Science Society • Irrigation Agronomist Consultant on Andibo Dam Micro-Irrigation Program under Ministry of Water and Environment, Government of Uganda • Uganda Technical working Team, Striga Eradication Program implemented by Kilimo Trust • Member, Weed Science Society of America)