

Professor and Dean of School of Agricultural Sciences	
College of Agricultural and Environmental Sciences Makerere University P.O. Box 7062, Kampala, Uganda Tel. +256 414 530 656 (Office) +256 773 155 702 (Cell phone) Email: jomugisha@caes.mak.ac.ug / johnnymugisha@gmail.com Skype:	
Professional Training and Experience	1999: PhD. Liebig University Giessen, Germany 1995: M.Sc. Agricultural Economics, Makerere University, Kampala, Uganda 1992: B.Sc. (Agriculture), Makerere University, Kampala, Uganda
Research Interests/Expertise	<p>Prof. Mugisha has been teaching at Makerere University in the Department of Agribusiness and Natural Resource Economics where he has been promoted through the ranks; from Assistant Lecturer (1994-1998) to Professor (2013 – to date). He has been conducting applied research in the discipline of Socio-economics at farm, household and market levels including agricultural technology adoption, urban waste utilisation, biogas production and utilisation, agricultural resource optimization, value chain studies and impact assessment. From his research work, he has published over 40 papers in various peer reviewed Journals.</p> <p>Prof. Mugisha has supervised and mentored over 68 graduates at Masters level and 6 graduates at PhD level most of whom are now occupying high positions of community, national and international interests. He is currently the Dean of the School of Agricultural Sciences in the College of Agricultural and Environmental Sciences, Makerere University. He is a reviewer for various Journal publishers and a member of various academic associations and networks.</p> <p>Teaching</p> <ol style="list-style-type: none"> 1. Research Methodology (Graduate Students) 2. Graduate Seminars (Graduate Students) 3. Advanced Agricultural Marketing (M.Sc. Agricultural Economics Students) 4. Agricultural Marketing Management (Master of Agribusiness Management Students)

	<p>5. International Agricultural Trade (Graduate Students)</p> <p>6. Introductory Macroeconomics (Undergraduate Students)</p>
<p>Publications (Peer reviewed)</p>	<ol style="list-style-type: none"> 1. Mugisha J., Mwadime R., Sebatta C., Gensi R. and Obaa B. (2017). Factors enhancing household nutrition outcomes in potato value chain in South-western Uganda. <i>Journal of Sustainable Development</i>, 10(3): 215-230. DOI: https://doi.org/10.5539/jsd.v10n3p215 2. Lwiza F., Mugisha J., Walekhwa P.N., Smith J. and Balana B. (2017). Dis-adoption of Household Biogas technologies in Central Uganda. <i>Energy for Sustainable Development</i>, 37: 124–132 3. Kyomugisha H., Mugisha J. and Sebatta C. (2017). Potential determinants of profits and market efficiency of potato market chains in Uganda. <i>Journal of Agribusiness in Developing and Emerging Economies</i>, 7(1): 52-68. http://dx.doi.org/10.1108/JADEE-06-2015-0031 4. Kwikiriza N., Mugisha J., Rye Kledal P., Karatininis K. and Namuwoza C. (2016). Tracing Uganda’s global primary organic pineapple value chain. <i>African Crop Science Journal</i>, 24(1): 15 – 33 5. Haggblade S., Chapoto A., Drame-Yayé A., Hendriks S. L., Kabwe S., Minde I., Mugisha J. and Terblanche S. (2015). Motivating and preparing African youth for successful careers in agribusiness, <i>Journal of Agribusiness in Developing and Emerging Economies</i>, 5(2):170-189; http://dx.doi.org/10.1108/JADEE-01-2015-0001 6. Mugisha J. and Diiro D. (2015). Households’ responsiveness to government ban on polythene carrier bags in Uganda. <i>Journal of Agriculture and Environmental Sciences</i>, 4(1): 216-224. DOI: 10.15640/jaes.v4n1a27; URL: http://dx.doi.org/10.15640/jaes.v4n1a27 7. Nkwasiabwe A. Mugisha J., Elepu G. and Kaneene J.B. (2015). Increasing the efficiency of the dairy value chain in Uganda: Determinants of choice of milk marketing channels by dairy farmers in Kiruhura District, Uganda. Livestock Research for Rural Development, 27(09) 2015. http://www.lrrd.org/lrrd27/9/nkwa27168.html 8. Turinawe A., Mugisha J. and Drake L. (2015). Soil and water conservation

- agriculture in subsistence systems: Determinants of adoption in South Western Uganda. *Journal of Soil and Water Conservation*, 70 (2):133-142.
9. Turinawe A., Drake L. and **Mugisha J.** (2014). Adoption intensity of soil and water conservation technologies: A case of South Western Uganda. *Environment, Development and Sustainability*. DOI:10.1007/s10668-014-9570-5.
10. Walekhwa P.N., Lars D. and **Mugisha J.** (2014). Economic viability of biogas energy production from family-sized digesters in Uganda. *Biomass and Energy*, 7: 26-39
11. Mwirigi J., Balana B. B, **Mugisha J.**, Walekhwa P., Melamu R., Nakami S., and Makenzi P. (2014). Socio-economic hurdles to widespread adoption of small-scale biogas digesters in Sub-Saharan Africa: A review. *Biomass and Energy*, 7: 17-25
12. Sebatta C., **Mugisha J.**, Katungi E., Kashaaru a. and Kyomugisha H. (2014). Smallholder farmers' decision and level of participation in the potato market in Uganda. *Modern Economy*, 5: 895-906. Published Online July 2014 in Science Research. <http://www.scirp.org/journal/me>
<http://dx.doi.org/10.4236/me.2014.5808>
13. Ainembabazi J. H. and **Mugisha J.** (2014). The role of farming experience on the adoption of agricultural technologies: Evidence from smallholder farmers in Uganda. *The Journal of Development Studies*, 2014. <http://dx.doi.org/10.1080/00220388.2013.874556>
14. Ntakyio P.R., **Mugisha J.** and Elepu G. (2013). Socio-economic factors affecting apple production in south-western Uganda. *African Crop Science Journal*, 21(4):311 – 32
15. Mwansakilwa C., Tembo G. and **Mugisha J.** (2013). Growth and competitiveness of non-traditional agricultural exports in Zambia. *Modern Economy*, 4:794-808. Published Online November 2013 (<http://www.scirp.org/journal/me>); <http://dx.doi.org/10.4236/me.2013.411085>
16. Kakuru W., Turyahabwe N. and **Mugisha J.** (2013). Total economic value

of wetlands products and services in Uganda. *The Scientific World Journal*, vol. 2013, Article ID 192656, 13 pages, 2013. doi:10.1155/2013/192656

17. Bwalya R., **Mugisha J.** and Hyuha T. (2013). Transaction costs and smallholder household access to maize markets in Zambia. *Journal of Development and Agricultural Economics*, 5(9): 328-336 DOI: 10.5897/JDAE12.134
18. Ainebyona R., **Mugisha J.**, Kwikiriza N., Nakimbugwe D, Masinde D.M. and Nyankanga O.R. (2012). Economic Evaluation of Grain Amaranth Production in Kamuli District, Uganda. *Journal of Agricultural Science and Technology A*, 2:178-190
19. Turinawe A., **Mugisha J.** and Kabirizi J. (2012). Socio-economic evaluation of improved forage technologies in smallholder dairy cattle farming systems in Uganda. *Journal of Agricultural Science*, 4(3):163-174; doi:10.5539/jas.v4n3p163 URL: <http://dx.doi.org/10.5539/jas.v4n3p163>
20. **Mugisha J.**, Ajer B. and Elepu G. (2012). Contribution of Uganda Cooperative Alliance to farmers' adoption of improved agricultural technologies. *Journal of Agriculture and Social Sciences*, 8(1):1-9; 11–044/ZIP/2012/8–1–1–9; <http://www.fspublishers.org>
21. Nyankanga R. O., Onwonga R. N., Wekesa F. S., Nakimbugwe D., Masinde D. and **Mugisha J.** (2012). Effect of Inorganic and Organic Fertilizers on the Performance and Profitability of Grain Amaranth (*Amaranthus caudatus L.*) in Western Kenya. *Journal of Agricultural Science*, 4(1):223-232. doi:10.5539/jas.v4n1p223; URL: <http://dx.doi.org/10.5539/jas.v4n1p223>
22. Mwebaze P. and **Mugisha J.** (2011). Adoption, utilisation and economic impacts of improved post-harvest technologies in maize production in Kapchorwa District, Uganda. Vol. 2 No.3 DOI: <http://dx.doi.org/10.1504/IJPTI.2011.043328>
23. **Mugisha J.** and Diiro G. (2010). Explaining the Adoption of Improved Maize Varieties and its Effects on Yields among Smallholder Maize

- Farmers in Eastern and Central Uganda. *Middle East Journal of Scientific Research*, 5(1):06-13
24. Ekere W., **Mugisha J.** and Drake L. (2009). Factors influencing waste separation and utilization among households in the Lake Victoria crescent, Uganda. *Waste Management*, 29(12): 3047–3051
25. **Mugisha J.**, Akankwasa K., Tushemereirwe W. and Ragama P. (2009). Urban consumer willingness to pay for introduced dessert bananas in Uganda. *African Crop Science Journal*, 16(4):251-258
26. Walekhwa P.N., **Mugisha J.** and Drake L. (2009). Biogas energy from family-sized digesters in Uganda: Critical factors and policy implications. *Energy Policy*, 37(7):2754-2762
27. Nanyeenya W.N., **Mugisha J.**, Stall S.J., Baltenweck I., Romney D and Halberg N. (2008). Dairy Performance and Intensification under Traditional and Economic Efficiency Farm Plans in Uganda. *Middle-East Journal of Scientific Research*, 3(2):82-89
28. Nanyeenya W.N., **Mugisha J.**, Stall S.J., Baltenweck I., Romney D., Fawcett R. and Halberg N. (2008). Risk attitudes, resource rationalization and dairy intensification in Uganda: Stochastic dominance with observed and optimal net farm benefits. *Journal of Applied Biosciences*, 10(2):511-522
29. Athieno R.K., Hyuha T.S. and **Mugisha J.** (2008). Competitiveness of crossbred chicken and its implications for poverty reduction in Eastern Uganda. *International Journal of Emerging Markets*, 3(3):302-310
30. Walekhwa P.N., **Mugisha J.** and Drake L. (2009). Biogas energy from family-sized digesters in Uganda: Critical factors and policy implications. *Energy Policy*, 37(7):2754-2762
31. **Mugisha J.**, Nakakawa F. and Ekere W. (2007). Socio-economic perspectives of handling used plastic and polythene waste in urban and peri-urban areas of Uganda. *Makerere University Research Journal*, 002(1):43-51
32. Ainembabazi, J.H., Bashaasha, B., **Mugisha, J.** and Hyuha, T.S. (2007).

- Technological change and efficiency under transaction costs: The case of smallholder sorghum production in Eastern Uganda. *International Journal of Environment and Development*, 4(1):33-44
33. **Mugisha J.**, Magino H.N., Oruko O.L., Osiru D.S.O. and Tenywa J.S. (2007). Resource use optimisation in sorghum-cowpea production in eastern Uganda. In: Bauer S. and Karki L. (Eds.). *Issues and Challenges in Rural Development*. Margraf Publishers, Weikersheim, Germany, Vol. 1, pp.43-50
34. **Mugisha J.**, Ekiyar V., Kiiza B. and Ogwal-O R. (2006). Comparative analysis of pest management technologies in cowpea and groundnut production in eastern Uganda. *Makerere University Research Journal*, 001: 37-47
35. Barungi M., **Mugisha J.** and Nalukenge I. (2005). Transaction costs analysis of input demand by smallholder cotton producers in Eastern Uganda. *Eastern Africa Journal of Rural Development*, 21(1):73-83
36. E.N. Sabiiti, F. Bareeba, E. Sporndly, J.S. Tenywa, S. Ledin, E. Ottabong, S. Kyamanywa, B. Ekbo, **J. Mugisha** and L. Drake. 2004. Urban market garbage: A hidden resource for sustainable urban/peri-urban agriculture and environment in Uganda. *The Uganda Journal*, 50:102-109
37. **Mugisha, J.**, Ogwal-O, R., Ekere, W. and Ekiyar, V. (2004). Adoption of IPM groundnut production in eastern Uganda. *African Crop Science Journal*, 12(4):383-391
38. **Mugisha, J.**, Madsen, O., Tumusiime, E. and Byekwaso, J. (2004). Performance of farmers-led extension system in agricultural technology transfer and adoption. *Uganda Journal of Agricultural Sciences*, 9:730-735
39. Kasibante, F., Mbowa, S. and **Mugisha, J.** (2004). Determinants of use of information and communication technologies by agribusiness firms in Uganda. *Eastern Africa Journal of Rural Development*, 20: 3-11
40. Kiiza, B., Omeke, M. and **Mugisha, J.** (2004). Microfinance self-sustainability and outreach in Uganda: A case of Teso Rural Development Trust Limited. *Eastern Africa Journal of Rural Development*, 20: 34-44

	<p>41. Magino, H.N., Mugisha, J. Osiru, D.S.O. and Oruko, L. (2004). Profitability of sorghum-legume cropping practice among households in Eastern Uganda. <i>Uganda Journal of Agricultural Sciences</i>, 9:688-692</p> <p>42. Hakiza, J.J., Odogola, W., Mugisha, J., Semana, A.R., Nalukwago, J., Okoth, J. and Adipala, E. (2004). Challenges and prospects of disseminating technologies through farmer field schools: Lessons learnt based on experience from Uganda. <i>Uganda Journal of Agricultural Sciences</i>, 9:163-175</p> <p>43. Mugisha, J. and Nagujja, S. (2003). The relationship between socio-economic characteristics of maize farmers and household food security in Eastern Uganda. <i>Eastern Africa Journal of Rural Development</i>, 19: 6-12</p> <p>44. Ekiyar, V., Mugisha, J., Kiiza, B. and Ogwal, R. (2003). An economic assessment of cowpea and groundnut IPM production technologies used by farmers in eastern Uganda. <i>MUARIK Bulletin</i>, 6:21-29</p> <p>45. Mugisha, J. and Bauer, S. (2001). The Impact of Export and Import Tax Policy on Ugandan Economy: A Computable General Equilibrium Modelling Approach. <i>Eastern Africa Journal of Rural Development</i>, 17(1): 9-17</p> <p>46. Mugisha, J. (1999). The Impact of Structural Adjustment Policies and External market Effects on Ugandan Agricultural Economy: A Computable General Equilibrium Analysis. Studien zur Laendlichen Entwicklung 61, Rural Development in Africa, Asia and Latin-America. Lit Verlag Muenster-Hamburg London; ISBN 3-8258-3779-3</p>
<p>Non peer-reviewed publications</p>	<ol style="list-style-type: none"> 1. Mugisha J. Economic impact and market study for passion fruits, onion, local chicken and groundnuts in northern and south western regions in Uganda”, USAID Self Help Africa, Kampala Uganda, September 2016 2. Mugisha J. Assessment of potential AgriBusiness Initiative (aBi) Trust Interventions in priority value chains, AgriBusiness Initiative (aBi) Trust, Kampala Uganda, November 2011 3. Mugisha J., Lwasa S. and Mausch K. (2014). Value chain analysis and mapping for groundnuts in Uganda. Socioeconomics Discussion Paper Series; Series Paper Number 14, April 2014, ICRISAT, Nairobi, Kenya

	<ol style="list-style-type: none"> 4. Bennett B., Mugisha J., Mausch K. and Weber J. (2014). Identification of upgrading options for legume value chains using a comparison across countries and crops – Tanzania pigeonpea and Uganda groundnut. Socioeconomics Discussion Paper Series; Series Paper Number 24; October 2014, ICRISAT, Nairobi, Kenya 5. Lubinga M., Kiiza B. and Mugisha J. (2011). Uganda’s bilateral trade flows explained using the gravity flow model. Verlag Dr. Mueller GmbH & Co. KG, Saarbruecken, ISBN 978-3-639-24380-2 6. Mugisha J., Diiro G. and Wanda O. (2010). "Socio-economic evaluation of adoption of drought tolerant maize varieties and its impact on the livelihood of the communities in Uganda VDM Verlag Dr. Mueller Aktiengesellschaft & Co., Saarbruecken, ISBN 978-3-639-32743-4 7. Rios L.D., Jaffee S., Henson S. and Mugisha J. (2009). Not yet up to standard: The Legacy of Two Decades of Private, Governmental, and Donor Efforts to Promote Ugandan Horticultural Exports. Joint Organizational Discussion Paper-Issue1; World Bank, University of Guelph, and Makerere University. The International Bank for Reconstruction and Development / The World Bank, Washington DC
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<p>Research Projects</p>	<p>Research</p> <ol style="list-style-type: none"> 1. 2016-2018: Crops for Healthy Diets: Linking Agriculture and Nutrition funded by the Federal Ministry of Food, Agriculture and Consumer Protection (BMELV). Project is done in partnership with Justus-Liebig University Giessen (Germany), Egerton University (Kenya), Lilongwe University (Malawi) and Makerere University (Uganda). It is implemented in Kenya, Malawi and Uganda 2. 2016-2017: Women’s production capacities enhancement and gender yield gap reduction in groundnuts in Uganda funded by International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) 3. 2015-2016: Nutritionalization of the potato value chain among smallholder farmers in south-western Uganda funded by USAID Self Help Africa 4. 2014-2016: Enhancing Competitiveness of Potato Production in Lowland
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Areas of Uganda funded by RUFORUM

5. **2012-2016:** Adaptation of small-scale biogas digesters for use in rural households in Sub-Saharan Africa funded by the African Union Commission (AUC). The project is implemented in Cameroon, Ethiopia and Uganda.
6. **2013-2015:** Examining Success Factors for Sustainable Rural Development through the Integrated Co-operative Model funded by IDRC
7. **2012-2013:** Capacity Development for Modernizing African Food Systems: Impact of past agricultural institution-building efforts in Africa funded by IFAD
8. **2012-2013:** The Potential of Small-Scale Biogas Digesters to Improve Livelihoods and Long Term Sustainability of Ecosystem Services in Sub-Saharan Africa funded by DFID
9. **2011-2013:** Managing Common Pool Resources for Improving Household and Community Food Security: Trade-Offs and Synergies for Wetlands Conservation in Uganda, funded by IDRC (Co-Researcher)
10. **2010-2013:** Enhancing Value Chain Systems for Sustainable Agricultural Productivity funded by Sida
11. **2012-2013:** Soil conservation practices as climate change adaptation strategies in semi-arid districts of Kenya and Uganda
12. **2011-2012:** Enhancing Potato Production and Market Access in Uganda funded by RUFORUM
13. **2009-2010:** Harnessing the Commercial Potential of Indigenous Malted and Fermented Cereal Products funded by BIO-EARN (Sida)
14. **2009-2010:** Amaranth grain production and value addition for improved livelihoods in the Lake Victoria Basin, funded by Inter-University Council of East Africa
15. **2008-2009:** Socio-economic study on “Drought Tolerant Maize for Africa” Project by CIMMYT
16. **2008-2009:** Facilitating Small Producer Access to High Value Markets” to compare and contrast alternative mechanisms for facilitating the

	<p>participation of small-scale producers in supply chains to high-value markets for agricultural and food products, funded by IDRC. (Co-Researcher with University of Guelph)</p> <p>17. 2006-2009: Socio-economic impact of biogas production as a waste management strategy in urban and peri-urban areas of the Lake Victoria Crescent region, funded by Sida</p> <p>18. 2004-2006: Optimal resource allocation in cowpea and groundnut production in Eastern Uganda, funded by the Rockefeller Foundation.</p> <p>19. 2003-2006: Business experience exchange programme (BEEP), a four-country (Malawi, Tanzania, Zambia, Uganda) project involving thematic research in collaboration with Farmer Organisations/Cooperatives, funded by NORAD</p> <p>20. 2005: Development and marketing of value-added banana-based foods for vulnerable groups in Uganda: A feasibility study, funded by the Rockefeller Foundation</p> <p>21. 2002-2005: Socio-economic implications of market waste utilisation in the urban and peri-urban areas of the Lake Victoria Crescent region, funded by Sida</p> <p>22. 2001-2003: Effectiveness and efficiency of extension approaches in promoting dissemination and adoption of improved potato technologies in the highlands of south-western and eastern Uganda funded by the Rockefeller Foundation</p> <p>23. 2001-2003: Resource use efficiency and product utilisation among the potato and sweet potato producers in Uganda, funded by the Rockefeller Foundation.</p> <p>24. 2003: Study on Agribusiness training and community based farm management for the modernisation of agriculture in Uganda, funded by I@Mak.com.</p> <p>25. Dec 2002: Worked with a team as a Socio-Economist on the study “Development of Mechanisms for sustainable production and utilisation of Indigenous Vegetables and management of their genetic diversity in</p>
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	<p>Uganda” funded by the McKnight Foundation.</p> <p>26. 2000 - 2002: Economic evaluation of integrated pest management (IPM) technologies developed for cowpeas and groundnuts in Eastern Uganda; funded by the Rockefeller Foundation.</p>
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