

Dr. Julia Kigozi is a Lecturer in the Department of Agricultural and Biosystems Engineering (ABE). She has been a faculty member since 1998. Dr. Kigozi teaches a number of undergraduate and graduate courses and is heavily involved in research. Her primary research interest areas are Product development, Postharvest handling, value addition, Food process development and fabrication of Agro-processing equipment. In addition, Dr. Kigozi has extensive consulting experience, and has worked with a number of entities and projects in various consulting roles. Dr. Kigozi received her Ph.D. in Agricultural Engineering, from Makerere University in 2015. Prior to pursuing her doctorate, she earned a M.Sc. in Agricultural Engineering from University of Pretoria, South Africa in 2000 and a B.Sc. in Agricultural Engineering from Makerere University in 1994.

List of Selected Publications

1. Basika, E., Kigozi. J. and Kiggundu, N. Investigation of sugar cane bagasse ash as a binding material for the construction industry. *Journal of Global Ecology and Environment*, 4 (2), 205-208, 2015.
2. F. Lule, N. Banadda, C. Sempala and J. Kigozi. The migration of
3. Chemical Contaminants from Polyethylene Bags into food during cooking. *International Journal of Agricultural and Biological Engineering*, 8(4), 2015.
4. L. Musoke, N. Banadda, C. Sempala and J. Kigozi. The migration of Chemical Contaminants from Polyethylene Bags into food during cooking. *The Open Food Science Journal*, 9: 14-18, 2015
5. J. Kigozi, Banadda N., Y. Byaruhanga, A. Kaaya and L. Musoke.
6. Optimization of on texture in Sorghum Ice Cream Cone production using sensory analysis. *The Open Food Science Journal*, 8, 18-21, 2014
7. J. Kigozi, Y. Byaruhanga, Banadda N. and A. Kaaya. Characterization of the Physico-chemical properties of selected white sorghum grain and flours for the production of baked sorghum ice cream cones. *The Open Food Science Journal*, 7: 23-33, 2013
8. Kigozi, Daniel Kimuli, Ahamada Ziwa, Noble Banadda, Isa Kabenge, Nicholas Kiggundu, Robert Kambugu, Joshua, Wanyama, Peter Tumugyereize and Julia

- Kigozi, 2016. Quantification of Physico-chemical characteristics and modelling faecal sludge nutrients from Kampala city slum pit latrines. *International Journal of Research in Engineering & Advanced Technology*, 3(6), 129.
9. 7) N. Banadda, H. Namaweje, F. Ayaa, J. B. Kigozi and S. Sendagi. Diffusive flux modeling of lead migration from black polyethylene bags into food: A case study of green bananas (Matooke). *African Journal of Food Science*, 5(5): 313-319, 2011
 10. H. Namaweje, N. Banadda, J. B. Kigozi, F. Ayaa and S. Sendagi. Investigating the effect of cooking on color and texture of green Bananas (Matooke) wrapped in Polyethylene Bags. *African Journal of Food Science* 5(10): 589 - 593, 2011
 11. J. Kigozi, Y. Byaruhanga, A. Kaaya and Banadda N. Development of the Production Process for Sorghum Ice-cream Cones. *Journal of Food Technology*, 9: 143- 149, 2011
 12. J. B. Kigozi, C. Mulwana and N. Banadda. Assessing the level of chemical contaminant migration and color changes associated with cooking foods in polyethylene bags: A case study of Ugali. *African Journal of Food Science* 4(10): 655-661, 2010
 13. Kigozi, J., Byaruhanga, Y.B., Kaaya, A., Banadda, N., & Lule, F., 2015. Mathematical modeling of sorghum ice-cream cone texture characteristics using the cone formulation., 2(2), 71-80.
 14. Munu, N., Kigozi, J., Zziwa, A., Kambugu, R., Wasswa, J. and Tumutegereize, P., 2016. Effect of ambient-soaking time on soybean characteristics for traditional soymilk extraction. *Journal of Advances in Food Science and Technology*.
 15. N. Banadda, F. Lule, C. Sempala and J. Kigozi Comparative study of two modeling approaches for predicting heavy metals contaminant migration from polyethylene bags. *International Journal of Agricultural and Biological Engineering* 9(3):194-200 • May 2016.
 16. Yvonne Lugali, Ahamada Zziwa, Joshua Wanyama, Noble Banadda, Julia Kigozi, Florence Kyazze, Isa Kabenge, Robert Kambugu and Peter Tumutegereize, Contextual investigation of factors affecting sludge accumulation rates in lined pit latrines within Kampala slum areas, Uganda. *Water Research Commission*. August 2016. ISSN 1816-7950

Selected Accomplishments

1. Consultant / Technical Inspection and Verification of Agricultural Equipment and Machinery for World Vision Uganda / Funded by World Vision Uganda April 2015
2. Consulting Team Leader / Design and Fabrication of Agro-processing Equipment for NUMA Feeds Ltd. / Funded by NUMA Feeds Ltd /April 2015
3. Principal Investigator / Design and construction of fruit Pulper, improvement of a groundnut sheller, testing of the batch pasteuriser and soymilk machine/Food Technology Business Incubation Centre (FTBIC), Makerere University / 2015
4. Principal Investigator/Design and fabrication of a Groundnut sheller Improvement of a Batch pasteurizer and Soymilk machine/ February 2014
5. Team member/development of low cost postharvest technologies and utilization of pineapple waste to enhance food security and income of local farmers. Funded by the Regional Universities Forum for Capacity Building in Agriculture (RUFORUM). 2014
6. Principal Investigator / Design, Construction and fabrication of a Soymilk machine/Food Technology Business Incubation Centre (FTBIC), Makerere University / August 2015 - December 2013.
7. Researcher/ Design and Construction of a low- cost pasteurization tank/ Food Technology Incubation Centre (FTBIC), Makerere University /2013