

Mr. Peter Tumutegyereize is an Assistant Lecturer in the Department of Agricultural and Biosystems Engineering (ABE). He has been a faculty member since 2008. Mr. Tumutegyereize teaches a number of undergraduate courses and is currently enrolled for his Ph.D. studies at the University of Botswana, Botswana. His primary research interest areas are Renewable energy harnessing and utilization, Waste reuse and resource recovery, Environmental protection and preservation, Sustainable Energy and Agricultural Systems and Post-harvest technologies. In addition, Mr. Tumutegyereize has extensive consulting experience, and has worked with a number of entities and projects in various consulting roles. Mr. Tumutegyereize received his M.Sc. in Agricultural Engineering from Makerere University, in 2012 and a B.Sc. in Agricultural Engineering from Makerere University in 2003.

### **List of Selected Publications**

1. Resty Nabaterega, Noble Banadda, John H. Muyonga, Nicholas Kiggundu, Isa Kabenge and Peter Tumutegyereize. Determining the most appropriate and optimum ratios of organic waste for biogas production from small-scale food processing units. *International Journal of Applied Science and Engineering Research*, Accepted, 2015.
2. T. Kukeera, N. Banadda, P. Tumutegyereize, N. Kiggundu and R. Asuman. Extraction, quantification and characterization of oil from Pumpkin Seeds. *International Journal of Agricultural and Biological Engineering*, 8(1): 98-102, 2015
3. Katimbo, A., Kiggundu, N., Kizito, S., Kivumbi, H. B., & Tumutegyereize, P. (2014). Potential of densification of mango waste and effect of binders on produced briquettes. *Agricultural Engineering International: CIGR Journal*, 16(4)
4. Lawrence Sekaluvu, Peter Tumutegyereize and Nicholas Kiggundu. (2013). Investigation of factors affecting the production and properties of Maize Cob-Particleboards. *Waste Biomass Valor.* DOI 10.1007/s12649-013-9228-9
5. P. Tumutegyereize, F. I. Muranga, J. Kawongolo and F. Nabugoomu, (2011). Optimization of biogas production from banana peels: Effect of particle size on methane yield. *African Journal of Biotechnology* Vol. 10(79), pp. 18243-18251.

## **Selected Accomplishments**

1. Consulting Team member / Technical Inspection and Verification of a coffee dryer / Funded by MAAIF / May 2013
2. Consulting Team Leader / Hydrological Study for the 4,467 ha Land at Bulabwala Village in Mayembe parish, Bulambuli District/ Funded by Private Sector Client / August 2011
3. Team member / Waste Management at FTBIC through briquetting / Funded by The Food Technology Business
4. Incubation Centre (FTBIC)/August 2012 Consulting Team member / Characterization of pit latrine contents and developing a scientific understanding of processes occurring in onsite dry pit latrines systems in low income urban areas. Sanitation Research Fund for Africa Project (SRFA)/ 2013-2015