

<b>Peter Tumutegyereize</b>	
<b>Sex</b>	Male
<b>Rank</b>	Lecturer
<b>Highest qualification</b>	PhD
<b>Department</b>	Department of Agricultural and Bio systems engineering School of Food Technology, Nutrition and Bio engineering College of Agricultural and Environmental Sciences, Makerere University P.O. Box 7062, Kampala, Uganda
<b>Professional Training and Experience</b>	Mr. Tumutegyereize enrolled for his Ph.D. studies at the University of Botswana, Botswana..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.
<b>Teaching subjects</b>	AEN 4107 Project design Planning AEN 1101 BARI Introduction to Mathematics AEX 2101 BARI EXT Introduction to mathematics AEN 1203 Surveying and Mapping AEN 4204 Design Project
<b>Research Interests/Expertise</b>	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
<b>Publications</b>	<ol style="list-style-type: none"> <li>1. Tumutegyereize, P., Ketlogetswe, C., Gandure, J., &amp; Banadda, N. 2017 "Technical Evaluation of Uptake, Use, Management and Future Implications of Household Biogas Digesters-A case of Kampala City Peri-Urban areas. Computational Water, Energy, and Environmental Engineering Journal Paper vol. 6 series 2</li> <li>2. Tumutegyereize, P., Ketlogetswe, C., Gandure, J., &amp; Banadda, N. 2016 "Effect of Variation in Co-Digestion Ratios of Matooke, Cassava and Sweet Potato Peels on Hydraulic Retention Time, Methane Yield and Its Kinetics. Journal of Sustainable Bioenergy Systems, Journal Paper vol. 6 series 4 pages 93</li> <li>3. Tumutegyereize, P., Mugenyi, R., Ketlogetswe, C., &amp; Gandure, J.2016 A comparative performance analysis of carbonized briquettes and charcoal fuels in Kampala-urban, Uganda Energy for Sustainable Development Journal Paper vol. 31 pages 6</li> <li>4. Wanyama, J. Banadda, N., Kiyimba, F., Okurut, S., Zziwa, A., Kabenge, I., Mutumba, C., Tumutegyereize, P., Komakech, A. J., Kiggundu, N. 2016 "Profiling agricultural engineering technologies for mechanizing smallholder agriculture in Uganda. Agricultural Engineering International: CIGR Journal, Journal Paper vol.18 series, 4 pages 6</li> <li>5. Zziwa, A., Lugali, Y., Wanyama, J., Banadda, N., Kabenge, I., Kambugu, R., Kyazze, F., Kigozi, J.B. and Tumutegyereize, P. 2016 "Contextual investigation of factors affecting sludge accumulation rates in lined pit latrines within Kampala slum areas, Uganda. Water SA Journal Paper vol. 42 series 3 pages 6</li> <li>6. Lugali, Y., Zziwa, A., Banadda, N., Wanyama, J., Kabenge, I.,</li> </ol>

	<p>Kambugu, R. and Tumutegyereize, P. 2016</p> <p>7. Modeling sludge accumulation rates in lined pit latrines in slum areas of Kampala City, Uganda. African Journal of Environmental Science and Technology Journal Paper vol. 10 series, pages 8 10</p>
<b>Research Projects</b>	<p>Promotion of rainwater harvesting and lowhead smallholder irrigation systems for sustained market responsive vegetable production in mid-western Uganda, NARO, 60 000\$, 2016-2018, PI</p>
<b>Professional Membership and Activities</b>	<ol style="list-style-type: none"> <li>1. Kiggundu N, Ddungu S.P, Wanyama J, Cherotich S, Zziwa E, Mutebi F, Falcucci A 2019. Greenhouse gas emissions from Uganda's cattle corridor farming systems Agricultural systems Journal Paper vol. 176</li> <li>2. Majaliwa GJ, Barasa B, Mukwaya IP, Wanyama J, Kutegeka S, Nakyeyune C, Nakileza B, Dissi J, Senyojo E, Nakangu B 2018. Assessing the extent of historical, current and future land use systems in Uganda Land Journal Paper vol.7, series 132, pages 17</li> <li>3. Kiggundu N, Wanyama J, Mftitumukiza D, Twinomuhangi R, Barasa B, Katimbo A, Kyazze F 2018. Rainwater harvesting knowledge and practice for agricultural production in a changing climate. A review from Uganda's perspective Agri.Eng. Into CIGR Journal Journal Paper vol.20 series ,2 pages 16</li> <li>4. Kiggundu N, Anaba LA, Banadda N, Wanyama J, kabenge I 2018. Assessing land use and land cover changes in the Murchison Bay Catchment of Lake Victoria basin in Uganda</li> <li>5. Journal of sustainable Development Journal Paper vol. 11 series 1 pages 11</li> <li>6. Bamutaze Y, Wanyama J, Opedes H, Diekrugger B, Meadows M 2017. Dynamics of surface runoff and soil loss from a toposequence under varied land use practices in Rwizi Catchment, lake Victoria basin Journal of soil and water conservation Journal Paper vol.6, series 4, pages 10</li> <li>7. Wanyama J, Sseganev H, Kisseka I, Komakech A, Banadda N, Zziwa A, Oker T, Mutumba C, Kiggundu N, Kato R, Mucunguzi N, Kiyimba F 2017: Irrigation Development in Uganda: Constraints, lessons learned and future perspectives Journal of irrigation and drainage engineering Journal Paper 10.1061/(ASCE)IR.1943-4774.0001159</li> </ol>