John Komakech Allan	
Sex	Male
Rank	Senior Lecturer
Highest qualification	PhD
Department	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
Professional Training and Experience	Komakech received his Ph.D. in Environmental Engineering from Swedish University of Agricultural Sciences, Uppsala, Sweden in 2014. Prior to pursuing his doctorate, he earned a Post graduate diploma in groundwater exploration, water resource exploitation and conservation from the Hebrew University of Jerusalem, Israel in 2006, a M.Sc. in Agricultural Engineering from University of Pretoria, South Africa in 2004 and a B.Sc. in Agricultural Engineering from Makerere University in 1999.
Teaching subjects	AEN 1101 Mathematics AEN 2101 Farm power and machinery AEN 2102 Basic Electrical technology and mechanics AEX 2101 Mathematics AEN 3205 Farm machinery AEC 4211 Engineering Economics AEN 7211 Agricultural machinery and implements
Research Interests/Expertise	His primary research interest areas are Waste management (Nutrient recycling and composting) life-cycle assessment and modelling, renewable energy (anaerobic digestion, solar, biomass), waste water treatment, irrigation and water resources engineering. In addition, Dr. Komakech has consulting experience, and has worked with a number of entities and projects in various consulting roles
Publications	1. Dalahmeh, S., Tirgani, S., Komakech, A.J., Niwagaba, C.B., Ahrens, L., 2018. Per- and polyfluoroalkyl substances (PFASs) in water, soil and plants in wetlands and agricultural areas in Kampala, Uganda.Journal Journal Paper pages 631-632, vol 8 2. Arhin S.G., Banadda N., Komakech A.J., Pronk W. & Marks S.J. 2018. Optimization of hybrid coagulation-ultrafiltration process for potable water treatment using response surface methodology. Water Sci. & Technol. Water Supply Journal Journal Paper vol. 3, series 18, pages 13 Doi. 10.2166/ws.2017.159 3. Wanyama, J., Ssegane, H., Kisekka, I., Komakech, A.J., Banadda, Zziwa, A., Oker T. E., Mutumba, C., Kiggundu N., Kato R. K., Mucunguzi D. B., Kiyimba, F. L. 2016. Irrigation development in Uganda: Constraints, lessons learned and future perspectives Publisher Journal Paper 10.1061/(ASCE)IR.1943-4774.0001159. Anne-Le Blomström, Cecilia Lalander, Allan John 4. Komakech, Björn Vinnerås and Sofia Boqvist 2016. A metagenomic analysis displays the diverse microbial community of vermicomposting system in Uganda. Infection Ecology and Epidemology Journal Journal Paper vol 6 http://dx.doi.org/10.3402/iee.v6.3253 5. Komakech, A.J., Zurbrügg, C., Miito, G.J., Wanyama, J. & Vinnerås, B. 2016 Environmental impact from vermicomposting of organic waste in

	Kampala, Uganda. Journal of Environmental Management Publisher Journal Paper vol. 181 8 6. Wanyama, J., Banadda, N., Kiyimba, F., Okurut, S., Zziwa, A., Kabenge, I., Mutumba, C., Tumutegyereize, P., Komakech, A.J., and Kiggundu, N. 2016 Profiling agricultural engineering technologies for mechanizing smallholder agriculture in Uganda. Journal Journal Paper vol. 4, series 18 pages 12.
Research Projects	1. Capacity building on the water-energy-food security Nexus through research and training in Kenya and Uganda (CapNex), Austrian Partnership Programme in Higher Education & Research for Development (APPEAR), 150,000 Euros, Co-PI, 17 – 19 2. Promotion of rainwater harvesting and low-head smallholder irrigation systems for sustained market responsive vegetable production in mid-western Uganda, funded under the NARO CGS grants Cohort IV, 150 M Ugx, Co- PI, 15 - 18 3. Development of a Low-Cost Pineapple Drier and Utilization of Agricultural Waste to Enhance Income Security among Small-holder Farmers in Kayunga District, Ruforum, 60,000 USD, Co-PI; 15 – 17