

Joshua Wanyama	
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
Professional Training and Experience	Dr. Wanyama received his Ph.D. in Soil and Water Resources Engineering, from Katholieke Universiteit Leuven, Belgium in 2012. Prior to pursuing his doctorate, he earned a M.Sc. in Water Science and Engineering from UNESCO-IHE Institute for Water Education Delft, the Netherlands in 2007 and a B.Sc. in Agricultural Engineering from Makerere University in 2002.
Teaching subjects	AEN 4108 Soil and Water Engineering II AEN 4109 Industrial Case Study AEN 1108 Agricultural Engineering in Development AEN 2206 Engineering Hydraulics AEC Engineering Economics AEN 7221 Land Resources Engineering
Research Interests/Expertise	His primary research interest areas are Irrigation & drainage engineering; Soil & water resources engineering; Renewable energy; Waste management; and Farm engineering. In addition, Dr. Wanyama has extensive consulting experience, and has worked with a number of entities and projects in various consulting roles.
Publications	<ol style="list-style-type: none"> 1. Kiggundu N, Ddungu S.P, Wanyama J, Cherotich S, Zziwa E, Mutebi F, Falcucci A 2019. 2. Greenhouse gas emissions from Uganda's cattle corridor farming systems Agricultural systems Journal Paper vol. 176 3. 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 4. 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 5. 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. Journal of sustainable Development Journal Paper vol. 11 series 1 pages 11 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 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
Research Projects	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