

Isa Kabenge	
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. Kabenge received his Ph.D. in Agricultural and Biological System Engineering, from University of Nebraska-Lincoln, USA in 2011. Prior to pursuing his doctorate, he earned a Postgraduate Diploma in Projects Planning and Management at Uganda Management Institute in 2007, a Masters in Agricultural Engineering from University of Pretoria, South Africa in 2002 and a B.Sc. in Agricultural Engineering from Makerere University in 1998...
Teaching subjects	AEN1109: Introduction to Computer Applications AEN3110: Introduction to GIS and Remote Sensing AEN7103: Project Management AEN3209/MEC4202: Environmental Engineering AEN3204: Soil and Water Resources Engineering I AEN7240: Environmental Engineering
Research Interests/Expertise	His primary research interest areas are Impact of climate change to agricultural systems, Application of gridded datasets to developing and modeling solutions for challenges related to hydrological systems and environmental engineering, Evapotranspiration and other energy fluxes of vegetative surfaces, Application of GIS to management of natural resources, Application of biological systems for environmental protection, Quantification of plants water use and surface energy balance, Water/Wastewater systems design, operation and maintenance. In addition, Dr. Kabenge 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. Omulo, G., Banadda, N., Kabenge, I. and J. Seay 2019 Optimizing slow pyrolysis of banana peels wastes using response surface methodology. Environmental Engineering Research Journal Paper vol. 24 series 2 pages https://doi.org/10.4491/eer.2018.269 2. Kabenge, I.*, Ouma, G., Aboagye, D. and Banadda, N. 2018 Performance of a constructed wetland as an upstream intervention for stormwater runoff quality management Environmental Science and Pollution Research (Springer Nature) Journal Paper Vol.25 series 36, pages 9 https://doi.org/10.1007/s11356-018-3580-z 3. Kabenge, I., Omulo, G., Banadda, N., Seay, J., Zziwa, A., and Kiggundu, N. 2018 Characterization of Banana Peels Wastes as Potential Slow Pyrolysis Feedstock Journal of Sustainable Development Journal Paper vol.11, series2, pages 11 https://doi.org/10.5539/jsd.v11n2p14 4. Kiggundu, N., Anaba, L. A., Banadda, N., Wanyama, J., and I. Kabenge 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 serie, 1, pages 12 5. Djaman, K., Koudahe, K., Sall, M., Kabenge, I., Rudnick, D. and S.,

	<p>Irmak 2017</p> <p>6. Performance of Twelve Mass Transfer Based Reference Evapotranspiration Models under Humid Climate Journal of Water Resource and Protection Journal Paper Vol.9, series 12, pages 17 https://doi.org/10.4236/jwarp.2017.912086</p> <p>7. Djaman, K., Irmak, S., Sall, M., Sow, A., and I. Kabenge 2018 Comparison of Sum-of-hourly and daily time step standardized ASCE Penman-Monteith reference evapotranspiration. Theoretical and Applied Climatology Theoretical and Applied Climatology (Springer) Journal Paper vol.134 2-Jan pages 11 https://doi.org/10.1007/s00704-017-2291-6</p>
<p>Research Projects</p>	<p>1. Developing a Controlled Solar Drying System for Improved Drying Efficiency and Nutritional Quality of Dried Fruit Products; FTBIC Presidential Initiative Fund; USD5,000; Co-PI; September 2018 to April 2019</p> <p>2. Makerere University and Cukurova University Research Collaboration; Governments of Uganda and Turkey; USD2,000,000 per year for three years; July, 2019 to July, 2022; Co-PI</p> <p>3. ARUA Water Center of Excellence; Rhodes University and ARUA-UKRI GCRF Partnership Programme; USD250,000; May, 2019 to May 2024</p>