

Lecturer	
<p>Simon Kizito Department of Forestry, Biodiversity and Tourism School of Forestry, Environment and Geographical Sciences College of Agricultural and Environmental Sciences, Makerere University P.O. Box 7062, Kampala, Uganda Mobile: +256 784821062 Email: simeon.kizito@caes.mak.ac.ug Alternative Email:saviokizito@gmail.com Skype: Simon Kizito</p>	
Professional Training and Experience	<p>2018: Post Doctorate, Milan University, Italy (Bioprocess and Bioenergy) 2017: PhD Agricultural Engineering, China Agricultural University Beijing P.R. China 2011:Postgraduate Diploma in Projects Management, Uganda Management Institute (UMI), Kampala, Uganda 2010: M.Sc. Forestry, Makerere University, Kampala, Uganda 2005:B.Sc. Wood Science & Technology, Makerere University, Kampala, Uganda</p>
Research Interests/Expertise	<p>Biomass Engineering, Lignocellulosic Biomass Chemistry, Biomass Energy Production for Low Carbon Emissions (Pyrolysis, Gasification & Anaerobic Fermentation), Solid Waste Management (Nutrient extraction and Recovery), Wood chemical preservation and modification, Adsorption Chemistry.</p>
Teaching	<p>Biomass engineering, Biomass energy production and conservation technologies, Waste management, Environmental sanitation and Projects Planning and Management</p>
Selected Publications	<ol style="list-style-type: none"> 1. Simon Kizito, Shubiao Wu, W. Kipkemoi Kirui, Ming Lei, Qimin Lu, Hamidoh Bah, Renjie Dong (2015). Evaluation of slow pyrolysed wood and rice husks biochar for adsorption of ammonium nitrogen from piggery manure anaerobic digestate slurry, <i>Science of the Total Environment</i>. 505: 102 - 112. 2. Simon Kizito, Shubiao Wu, Simon Mdondo Wander, Luchen Guo, Renjie Dong (2016). Evaluation of ammonium adsorption in biochar-fixed beds for treatment of anaerobically digested swine slurry: Experimental optimization and modelling. <i>Science of the Total Environment</i>. 563-564: 1095-1104. 3. Simon Kizito, Tao Lv, Shubiao Wu, Zeeshan Ajmal, Hongzhen Luo, Renjie Dong (2017). Treatment of anaerobic digested effluent in biochar-packed vertical flow constructed wetlands columns: Role of media and tidal operation. <i>Science of the Total Environment</i>. 592: 197-205. 4. Simon Kizito, Lv, Shubiao Wu, Hongzhen Luo, Zeeshan Ajmal, Renjie Dong (2017). Phosphate recovery from liquid fraction of anaerobic digestate using four slow pyrolysed biochars: Dynamics of adsorption, desorption and regeneration. <i>Journal of Environmental Management</i> 201 (2017): 260-267. 5. Simon Kizito, Hongzhen Luo, Zeeshan Ajmal, Shubiao Wu., Renjie Dong (2018). Dual Role of nutrient enriched biochar addition on soil

	<p>amendment and fertility of maize growth: Comparison with chemical fertilizer. <i>Science of the Total Environment</i>. 599: 140-149.</p> <p>6. Ajmal, Z., Atif, M., Usman, M., Kizito, S., Lu, J., Dong, R., Wu, S (2018). Phosphate removal from aqueous solution using iron oxides: Adsorption, desorption and regeneration characteristics. <i>Journal of Colloid and Interface Science</i> 528 (2018) 145–155.</p> <p>7. Sheilendar Katari, Shubiao Wu, Simon Kizito, Wanqin, Zhang, Jiayi Li., Renjie Dong (2015). Synergistic effect of alkaline pre-treatment and Fe dosing on batch anaerobic digestion of maize straw. <i>Applied Energy</i>. 158: 55-64.</p> <p>8. Hamidou Bah, Shubiao Wu, Wanqin, Zhang, Simon Kizito, Dandan Qi, Renjie Dong (2014). Evaluation of batch anaerobic co-digestion of palm pressed fibre and cattle manure under mesophilic conditions. <i>Waste Management</i>. 34: 1984-1991.</p> <p>9. Katimbo, A., N. Kiggundu, Simon Kizito, H. B. Kivumbi and P. Tumutegyereize (2014). Potential of densification of mango waste and effect of binders on produced briquettes. <i>Agricultural Engineering International: CIGR Journal</i>, 16(4): 146 – 155.</p>
Research Projects	<ul style="list-style-type: none"> • Quantification of combustion parameters and emissions from different biomass based on household stove designs on the Ugandan Market • Pyrolysis of forestry residues for bio-carbon and Liquid fuels production • Use of thermal processes to Sanitize Sewage Sludge and Municipal Biosolids to produce Biochar for soil amendment and Nutrient recycle • Densification of human feces, their sanitization and potential use in energy and nutrient recovery.
Professional Membership and Activities	<ul style="list-style-type: none"> • Member of International Biochar Initiative • Member of Green chemistry and Circular economy Movement