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**Research Interest/Specialization:**

Environmental Microbiology and Biotechnology

**Publications:**

i. **Publications in refereed journals**

1. **Kyambadde J.**, Kansiime F., Dalhammar G., (2006). Distribution and activity of ammonium-oxidizing bacteria in Nakivubo wastewater channel and wastewater treatment wetland, Uganda. *Acta Hydrochimica et Hydrobiologica* 34 (1–2): 137–145.
2. **Kyambadde J.**, Kansiime F., Dalhammar G., (2005). Nitrogen and phosphorus removal in substrate-free pilot constructed wetlands with horizontal surface flow in Uganda. *Water, Air, and Soil Pollution* 165(1–4):37–59.
3. **Kyambadde J.**, Kansiime F., Gumaelius, L., Dalhammar G., (2004). Hydraulic loading, stability and water quality of Nakivubo wetland, Uganda. *African Journal of Aquatic Science* 29(2):213–220.
4. **Kyambadde J.**, Kansiime F., Gumaelius, L., Dalhammar G., (2004). A Comparative study of *Cyperus papyrus* and *Miscanthidium violaceum*-based constructed wetlands for wastewater treatment in a tropical climate. *Water Research* 38(2):475–485.

5. **Kyambadde JW.**, Enyaru, JCK., Matovu, E., Odiit, M., Carasco, JF., (2000). Detection of trypanosomes in suspected sleeping sickness patients in Uganda using the polymerase chain reaction (PCR). *Bulletin of the World Health Organization* 78(1):119–124.
6. Enyaru, JCK., Matovu, E., Akol, M., Sebikali, C., **Kyambadde, J.**, Schmidt, C., Brun, R., Kaminsky, R., Ogwal, LM., Kansiime, F., (1998). Parasitological detection of *Trypanosoma brucei gambiense* in serologically negative sleeping sickness suspects from north-western Uganda. *Annals of Tropical Medicine and Parasitology* 92(8):845–850.

(ii) **Publications in proceedings**

7. D.N. Mutua, E.N.M. Njagi, F. Kansiime and J. Kyambadde\* (2008). Biological Treatment of Meat Processing Wastewater Using Anaerobic- Aerobic/Anoxic Sequencing Batch Reactors Operated in Series. In: *Proceedings of the BIO-EARN /VicRec Conference, Imperial Resort, Munyonyo.*
8. J. Omara, J. F. Hawumba, F. Kansiime and Joseph Kyambadde\* (2008). Pollution Profiles of Kampala City Abattoir Effluent and Its Impact on the Ecology of Lake Victoria. In: *Proceedings of the BIO-EARN /VicRec Conference, Imperial Resort, Munyonyo.*
9. E. Zziwa, D. Mpairwe, **J. Kyambadde**, M. Iwadra, D. Mutetika, G. I Kiuwua, S. Mugerwa, and D.

Peden (2008) In *Proceedings of the CGIAR Challenge Program on Water and Food 2nd International Forum on Water and Food, Addis Ababa, Ethiopia, November 10 – 14, 2008.* Pg 70 – 74.

10. Kyambadde J., (2004). Environmental Biotechnology in Uganda. In: *Proceedings of the forum for dialogue on the status of Biotechnology in Uganda. Hotel Equatoria, Kampala-Uganda, March 16<sup>th</sup> 2004.*
11. Kyambadde, J., (2001). Prospects for Public-Private Partnerships in Biotechnology for Waste Management. In: *Proceedings of the National Workshop on Enlarging Public-Private Partnerships for Biotechnology. Grand Imperial Hotel, Kampala-Uganda, November 29 – 30, pp35 – 41.*

ii. **Article in a book**

12. Gumaelius, L., Kyambadde, J., Dalhammar, G., (2001). Variation in Cadmium and di-chlorophenol (DCP) toxicity and lack of genetic correlation between inhibition and toxicity among efficient denitrifying bacteria in activated sludge. PhD Dissertation ISBN: 91-7283-097-2

iii. **Reports**

13. Kyambadde J., Hawumba JF., Nyanzi SA., (2006). Municipal Solid Waste Composition and Decay Rate Constants. Study of Discards in Ten Municipalitys of Uganda. Report Submitted to National Environment Management Authority, Kampala, Uganda.
7. Kyambadde J., Steinert, P., Flohe L., (1999). Search for molecular targets for drug design. In: Scriven J., Lobas D (Eds), Laboratory report of the 13<sup>th</sup> Course – Modern
14. Methods in Biotechnology, International Training Programme in Biotechnology of the GBF, Germany.

iv. **Books published**

15. Kyambadde, J., (2005). Optimizing processes for biological nitrogen removal in Nakivubo wetland, Uganda. PhD Thesis, Universitetsservice US AB, Royal Institute of Technology (KTH), Stockholm, Sweden, ISBN: 91-7283-962-7
16. Kyambadde, J., (1998). Detection and identification of *Trypanosoma brucei* species from North West Uganda. M.Sc Thesis, Makerere University.