CURRICULUM VITAE

Dr. Shahasi Y. Athman (PhD)

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Education

PhD Plant Pathology, 2006; University of Pretoria, South Africa

MSc Nematology, 2001; University of Gent, Belgium

BSc Agriculture, 1999; University of Nairobi, Kenya

Career history

- December 2014 Todate: Lecturer, Dept. Plant Sciences, Microbiology and Biotechnology, Makerere University.
- June 2011 to March 2012: African Women in Agricultural Research and Development (AWARD) fellow.
- Nov. 2008 to May 2010: Project Officer - Agriculture, Catholic Relief Services, Kenya.
- May 2007 to September 2008: Post-doctoral Scientist, Clemson University, USA
- Dec 2006 to May 2007: Project Officer - Agriculture, Catholic Relief Services, Kenya
- July to August 2006: Consultant, International Institute of Tropical Agriculture (IITA), Uganda
- June 2002 to Sept 2006: Research Fellow, International Institute of Tropical Agriculture (IITA), Uganda, and the University of Pretoria, South Africa

Other training and competencies

- Student supervision and mentorship training, Makerere University, 2015; 2018.
- Leadership and management training, AWARD, 2011, Arusha Tanzania.
- Science Writing and Policy Development in Agricultural Research training, AWARD, 2010 Maputo Mozambique.
- Mentoring Orientation Workshop, AWARD, 2009, Mombasa, Kenya,

Selected Publications

Mallowa, S., Athman, S.Y., Ruong'o, S., Abucheli, G., Korir, N.K., Odongo, H., Miano, D.W., and Robertson, A.E. (2017). Rotten Inedible Tubers: The Case of Cassava Brown Streak Disease. *The Plant Health Instructor*. DOI: 10.1094/PHI-T-2017-0619-01

Athman, S.Y., Dubois, T., Coyne, D., Gold, C.S. Labuschagne, N. and Viljoen, A. (2007). Effect of endophytic *Fusarium oxysporum* on root penetration and reproduction of *Radopholus similis* in tissue culture banana (*Musa* spp.) plants. Nematology 9 (5): 599-607.

Athman, S.Y., Dubois, T., Coyne, D., Gold, C.S. Labuschagne, N. and Viljoen, A. (2006). Effect of endophytic *Fusarium oxysporum* on host preference and attraction of *Radopholus similis* to tissue culture banana plants. Journal of Nematology 38(4): 455-460.

Athman, S.Y., Dubois, T., Viljoen, A., Labuschagne, N., Coyne, D., Ragama, P., Gold, C.S. and Niere, B. (2006). *In vitro* antagonism of endophytic *Fusarium oxysporum* isolates against the burrowing nematode *Radopholus similis*. Nematology 8(4): 627-636.

Athman, S.Y. (2006). Host-endophyte-pest interactions of endophytic *Fusarium oxysporum* antagonistic to *Radopholus similis* in banana (*Musa* spp.). PhD thesis. University of Pretoria, South Africa.222p. http://upetd.up.ac.za/thesis/available/etd-12072006-105803/unrestricted/00front.pdf

Dubois, T., Gold, C. S., Coyne, D., Paparu, P., Mukwaba, E., Athman, S., Kapindu, S. and Adipala, E. (2004). Merging biotechnology with biological control: banana *Musa* tissue culture plants enhanced by endophytic fungi. Uganda Journal of Agricultural Sciences, 9(1): 445-451.

Book chapters

Dubois, T., Gold, C.S., Paparu, P., Athman, S. and Kapindu, S. (2006). Enhancing plants with endophytes: potential for ornamentals? In: Teixeira Da Silva, J. (Ed.), Floriculture, Ornamental and Plant Biotechnology: Advances and Topical Issues, 1st Ed., Global Science Books, London, UK. pp. 379-409.

Poster presentations

Athman S.Y. and Agudelo, P. (2008). A real-time PCR assay for detection and quantification of the burrowing nematode, *Radopholus similis*. Poster presented at the Banana2008 International Conference, Mombasa, Kenya, October 5-9.

Athman S.Y. and Agudelo, P. (2008). A real-time PCR assay for detection and quantification of the burrowing nematode, *Radopholus similis*. Poster presented at the 5th International Nematology Congress, Brisbane, Australia, July 13-18.

Athman, S.Y., Dubois, T., Coyne, D., Gold, C.S., Labuschagne, N. and Viljoen, A. (2006). Effect of endophytic *Fusarium oxysporum* on host preference, root penetration and reproduction of *Radopholus similis* in banana (Musa spp.) tissue culture plants. Poster Presentation. 26th Symposium of the European Society of Nematologists. Blagoergrad, Bulgaria. June 5-9.

Dubois, T., Gold, C. S., Paparu, P., Athman, S., Kapindu, S., Coyne, D. and Adipala, E. (2005). Endophyte-enhanced Musa tissue culture plants against banana weevils and nematodes. 54th International Symposium on Crop Protection. Gent, Belgium, May 10.

Athman, S.Y., Dubois T., Gold C.S., Coyne D., Labuschagne N., Viljoen A. (2005). Inhibitory effects of culture filtrates of endophytic *Fusarium oxysporum* isolates to motile stages of the banana nematode, *Radopholus similis* Cobb. Poster Presentation. 17th Nematological Society of Southern Africa Symposium, Hans Merensky Estate, South Africa May 22-26.

Niere, B., Coyne, D., Gold, C. S., Shahasi, A. and Dubois, T. (2004). The potential of fungal endophytes for nematode management in Musa. In: Abstract Guide for 1st International Congress on Musa: Harnessing Research to Improve Livelihoods, Penang, Malaysia, July 6 -15.