

Dr. Moses I. Olotu



Dr. Moses Olotu is a Senior Lecturer in the Department of Biological Sciences at Mkwawa University College of Education (MUCE), a constituent college of the University of Dar es Salaam in Tanzania. He is an Environmental Entomologist with good experience in integrated pest management (IPM) and pollination ecology. He spent his time investigating the Pollination Biology of *Mesogyne insignis* Engler in the Amani Nature Reserve, East Usambara Mountain Forests, Tanzania. He doctorate the Potential of *Oecophylla longinoda* (Hymenoptera: Formicidae) for management of *Helopeltis* spp. (Hemiptera: Miridae) and *Pseudotheraptus wayi* (Hemiptera: Coreidae) in cashew in Tanzania from North-West University (NWU), South Africa. He did Postdoctoral research on effects of neonicotinoids and malathion on bee pollinators at sublethal field concentrations in India. Before that he studied Master of Integrated Environmental Management (MIEM) from University of Dar es Salaam. He teaches undergraduate courses related to invertebrate animals and postgraduate courses such as biological methods and techniques as well as biostatistics.

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Areas of Specialization and Research Interest

Environmental conservation, insect ecology and natural enemies

Olotu, M. I. (2016). Interaction between African weaver ant *Oecophylla longinoda* and dominant ant species *Pheidole megacephala* and *Anoplolepis custodiens* in cashew fields in Tanzania, *Agricultural Research*, Accepted in 24 June 2016 DOI 10.1007/s40003-016-0228-4

Olotu, M. I. (2016). Effectiveness of neonicotinoids and organophosphate in the control of aphid and enhancement of pod formation in mustard crop in India. *International Journal of Pure and Applied Bioscience*, 4(3): 5-11.

Olotu, M. I., & Gujar, G. T. (2016). Many-fold less than the field recommended concentration of neonicotinoids and malathion affects foraging of honeybee in three important crops in India, *Entomon* 41(1): 47-60

Olotu, M. I. (2016). Effect of seasonality on abundance of African weaver ant *Oecophylla longinoda* (Hymenoptera: Formicidae) in cashew agro-ecosystems in Tanzania. *African Journal of Agricultural Research*, 11(16): 1439-1444.

Olotu, M. I., Maniania, N. K., Seguni, Z. S., Sunday, E. & du Plessis, H. (2015). Efficacy of fish and hydramethylnon baits for conservation of African weaver ant *Oecophylla longinoda* during cashew off-seasons in Tanzania. *International Journal of Tropical Insect Science*, 35 (2) 90-95.

Olotu, M. I., Maniania, N.K., Seguni, Z. S., Sunday, E. & du Plessis, H. (2013). Effect of fungicides used for powdery mildew disease management on African weaver ant *Oecophylla longinoda*

(Hymenoptera: Formicidae) a biocontrol agent of sap-sucking pests in cashew crop in Tanzania. *International Journal of Tropical Insect Science*, 34:283-290.

Olotu, M. I., du Plessis, H., Seguni, Z. S. & Maniania, N. K. (2012). Efficacy of the African weaver ant *Oecophylla longinoda* (Hymenoptera: Formicidae) in the control of *Helopeltis* spp. (Hemiptera: Miridae) and *Pseudotheraptus wayi* (Hemiptera: Coreidae) in cashew crop in Tanzania. *Pest Management Science*, 69: 911-918

Olotu, M. I., Ndangalasi, H. J. & Nyundo, B. A. (2011). Effect of forest fragmentation on pollination of *Mesogyne insignis* (Moraceae) in Amani Nature Reserve forests Tanzania, *African Journal of Ecology*, 50: 109-116

Presentations

International Foundation for Science Capability Enhancing Support Conference on Insect Diversity 8-11 December 2014, Cotonou, Benin

Activities (Editorial and Review Positions)

Ad-hoc peer reviewer:

- Journal of Agricultural Studies
- African Journal of Ecology
- Sociobiology

Affiliations/Associations

- Member of Association for Tropical Biology and Conservation (ATBC)
- Member of Society for Conservation Biology (SCB)
- Member of Ecological Society for Eastern Africa (ESEA)
- Member of Technical Center for Agriculture and Rural Cooperation (CTA)