



Anne Margaret Akol

Associate Professor (Entomology)

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Courses taught

Undergraduate courses

Lower Invertebrates (ZOO1104), Higher Invertebrates (ZOO1204), Introduction to Entomology (ZOO2105), Commercial Entomology (ZOO3105), Integrated Pest and Vector Management (ZOO3210),

Postgraduate Graduate courses

Scientific Enquiry and Communication Skills (BOZ7108), Insect Functional Morphology and Taxonomy (ZET7201), Pesticides Application, Technology and Toxicology (ZET7203), Laboratory and Field Methods in Entomology (ZET7204), Principles and Practice of Pest and Vector Control (ZET7205),

Ecology of Pests and Vectors (ZET7206)

Recent Publications (the past 3 years)

G.K. Kubiriza, A.M. Akol, J. Arnason, Ó. Sigurgeirsson, S. Snorrason, T. Tómasson, H. Thorarensen (2017) Practical feeds for juvenile Nile tilapia (*Oreochromis niloticus*) prepared by replacing *Rastrineobola argentea* fishmeal with freshwater shrimp (*Caridina nilotica*) and mung bean (*Vigna radiata*) meals. *Aquaculture Nutrition* (in press), DOI: 10.1111/anu.12537

Moses Chemurot, Marleen Brunain, Anne M. Akol, Tine Descamps and Dirk C. de Graaf (2016). First detection of *Paenibacillus larvae* the causative agent of American Foulbrood in a Ugandan honeybee colony. *SpringerPlus* 5(1): 1090

M. Chemurot, A.M. Akol, C. Masembe, L. de Smet, T. Descamps, & D.C. de Graaf. 2016. Factors influencing the prevalence and infestation levels of *Varroa destructor* in honeybee colonies in two highland agro-ecological zones of Uganda. *Exp Appl. Acarol*, DOI 10.1007/s10493-016-0013-x

B.E. Isabirye, A. M. Akol, A. Mayamba, C. K. Nankinga, and I. Rwomushana (2015). Species Composition and Community Structure of Fruit Flies (Diptera: Tephritidae) Across Major Mango-Growing Regions in Uganda. *International Journal of Tropical Insect Science*, 1: 1-11. FirstView Articles, pp 1-11 doi: 10.1017/S1742758415000089, Published online by

Cambridge University Press 23 Apr

B.E. Isabirye, A. M. Akol, H. Muyinza, C. Masembe and I. Rwomushana, C. K. Nankinga (2015). Fruit Fly (Diptera: Tephritidae) Host Status and Relative Infestation of Selected Mango Cultivars in three Agro Ecological Zones in Uganda. *International Journal of Fruit Science* 16(1): 23-41

Research interests

Management of insect pests in agriculture

Insect biodiversity

Apiculture

Pollination biology

Management of insects for food and ecosystem services

Grants History

Assessment of Lepidoptera pollinator species diversity data in East Africa. Funded by the JRS Biodiversity Foundation; 2017 – 2019

Enhancing production and incomes in the honey value chain by addressing the challenges of pests and parasites of honeybee colonies in Uganda Funded by RUFORUM; 2015 – 2017

Expanding the rational and biological control of invasive *Liriomyza* leafminer flies to major horticultural productions systems in East Africa. Funded by GIZ through the icipe; 2011 – 2014

Gaining insight into physical, ecological and biochemical factors influencing mango fruit fly infestation in Uganda. Funded through the Millenium Science Initiative (MSI) of the World Bank; 2010- 2013

Linking Justice Concerns to Environment Management. Funded through the Ecosystems and Poverty Alleviation Programme of the NERC, UK; 2011 – 2013

Mobilizing vital taxonomic information to support human wellbeing and ecosystem health in Eastern Africa (UVIMA Project). Funded through the EAFRINET of the National Museums of Kenya; 2008 - 2010

Community outreach and involvement

- A founding member and executive committee member representing academia of the Entomological Association of Uganda (EAU).
- I serve as an ambassador with the Makerere University Retirement Benefits Scheme.
- Member, NaFIRRI Scientific Committee, August 2017 to-date
- Member, National Committee of the International Basic Sciences Programme (IBSP) of the UNESCO