MAKERERE UNIVERSITY

College of Natural Sciences (CoNAS)
Staff Profile for Moses Chemurot

NO:	ITEM	CONTENT
1.	Profile Photo	
2.	Name	Moses Chemurot
3.	Department	Zoology, Entomology and Fisheries Sciences
4.	Designation	Lecturer
5.	Rank	Lecturer
6.	Mobile Number	+256 782 285 819
7.	Office Number	
8.	Email Address/es	moses.chemurot@mak.ac.ug; moseschemurot@gmail.com
9.	Qualifications	PhD (Biology), MSc (Zoology), BSc (Zoology/Botany)
10.	Research Interests	Apiculture, Meliponiculture, Pollinator health, Conservation Biology
11.	Ongoing projects	1. Exploring forage resources for stingless bees in Uganda: The case of *Meliponula bocandei* -Funded by Government of Uganda (2021-2022)

		2. Exploring stingless bee products for nutritional and medicinal values in Uganda (Bee-Nutri-Medicine project)-Funded by Government of Uganda (2020-2021) 3. Generating information on bee pollinator diversity and distribution in Uganda through the application of ecological and informatics tools– Funded by JRS (2019-2022) 4. Domesticating stingless bees in Uganda under the National Agricultural Research Organisation (2018-2021)
12.	Previous Projects	1. Promoting the conservation of Red Colobus in Itwara and Matiri Forests, Uganda through population monitoring, awareness creation and beekeeping- Funded by Rufford Foundation (2017-2018) 2. Improving livelihoods and mitigating human elephant conflict in Shimba hills through promoting beekeeping - Funded by Rufford Foundation (2017-2018) 3. The Factors Influencing the Distribution of Honeybee Pathogens in Two Selected Agro-Ecological Zones in Uganda (Ghent University), PhD research - Funded by Erasmus mundus action II Caribu project (2014-2017) 4. Identification and characterization of honeybee diseases in Uganda (member) - Funded by NARO/World Bank 5. Potential impact of municipal waste on the health of riverine aqua fauna of river Rwizi, western Uganda (Co-PI) – Funded by TBA (2013-2014)
13.	Community Outreach Programmes	• Fellow at the Uganda National Academy of Sciences (FUNAS) • General Secretary to the Entomological Association of Uganda (2017 to 2021) • Member of the Entomological Association of Uganda • Member of The Uganda National Apiculture Development Organisation (TUNADO)
14.	Teaching areas	I teach undergraduate and graduate courses including: Commercial Entomology, Lower Invertebrates, Animal Behaviour, Extension, Insect Pathology and Insect Physiology
15.	Publications	1. **Chemurot, M.,** Otim, A.S., Namayanja, D., Onen, H., Angiro, C., Mugume, R., Kajobe, R., Macharia, J., Gikungu, M., Abila, P.P. and Kasangaki, P. (2021). Stingless beekeeping in Uganda: an industry at its infancy. *African Entomology 29*(1), 1–8.

		2. Labu, S., Subramanian, S., Khamis, F.M., Akite, P., Kasangaki, P., **Chemurot, M**., Tanga, C.M., Ombura, F.L.O., and Egonyu, J.P. (2021). Microbial contaminants in wild harvested and trade edible long-horned grasshopper, *Ruspolia differens* (Orthoptera: Tettigoniidae) in Uganda. *Journal of Insects as Food and Feed* (Accepted) 3. Sengendo, F., Subramanian, **Chemurot, M**., Tanga, C.M., and Egonyu, J.P. (2021). Efficient harvesting of safe edible grasshoppers: Evaluation of modified drums and light emitting diode bulbs for harvesting *Ruspolia differens* (Orthoptera: Tettigonidae) in Uganda. *Journal of Economic Entomology* https://doi.org/10.1093/jee/toab025 4. Sengendo, F., Subramanian, **Chemurot, M**., Tanga, C.M., and Egonyu, J.P. (2021). Cost-benefit analysis of improved light trap for harvesting the edible grasshopper, *Ruspolia differens* (Orthoptera: Tettigoniidae): Evidence from Uganda. *International Journal of Tropical Insect Science* (Accepted) 5. **Chemurot, M.,** de Graaf, D.C. (2020). The first detection of *Braula coeca* in honey bee colonies in Uganda. Journal of Apicultural Research, https://doi.org/10.1080/00218839. 6. **Chemurot, M.,** de Graaf, D.C. (2019). Honeybee colony performance in two agro-ecological zones of Uganda is influenced by land-use type around apiary. Livestock Research for Rural Development. Volume 31, Article #103. http://www.lrrd.org/lrrd31/7/moses31103.html 7. Onen, H., Odong, R. and **Chemurot, M**. (2019). Exploitation of locally available organic wastes for rearing black soldier fly (*Hermetia illucens*) larvae as a potential protein ingredient for poultry and fish feeds in Uganda. *Journal of Biology and Nature*, *http://www.ikprress.org/index.php/JOBAN/article/view/4569* 8. Onen, H., Odong, R., **Chemurot, M.** and Kayondo J. (2019). Biotic and abiotic factors in *Anopheles gambiae* breeding habitats as a potential tool to fight Malaria in Central Uganda. Journal of Biology and Nature, http://www.ikprress.org/index.php/JODAGH/article/view/4697 9. **Chemurot, M**., Onen, H., Kasangaki, P., Kityo, R., Sande, E., de Graaf, D.C., 2018. Infestation levels of some pests, predators and enemies of honeybee (*Apis mellifera* L.) in two agro-ecological zones of Uganda.

		Journal of Biology and Nature, http://www.ikprress.org/index.php/JOBAN/article/view/1650 10. **Chemurot, M.**, De Smet, L., Brunain, M., De Rycke, R., de Graaf, D.C., 2017. *Nosema neumanni* n. sp. (Microsporidia, Nosematidae), a new microsporidian parasite of honeybees, Apis mellifera in Uganda. *Eur. J. Protistol*. 61, 13–19. doi:10.1016/j.ejop.2017.07.002 11. **Chemurot, M.** 2017. The distribution, infestation levels and effects of honeybee parasites and pathogens on colony performance in two agro-ecological zones of Uganda. PhD thesis, Ghent University. ISBN 978-9-4619751-9-5 12. **Chemurot, M.,** Brunain, M., Akol, A.M., Descamps, T., de Graaf, D.C. 2016. First detection of *Paenibacillus larvae* the causative agent of American Foulbrood in a Ugandan honeybee colony. Springerplus. 5(1):1090. doi: 10.1186/s40064-016-2767-3. 13. **Chemurot, M.,** Akol, A.M., Masembe, C., De Smet, L., Descamps, T., de Graaf, D.C. 2016. Factors influencing the prevalence and infestation levels of *Varroa destructor* in honeybee colonies in two highland agro-ecological zones of Uganda. Experimental and Applied Acarology 68(4):497-508. doi: 10.1007/s10493-016-0013-x. 14. Kasangaki, P., Otim, A.S., Abila, P.P., Angiro, P., **Chemurot, M.,** Kajobe, R. 2016. The presence of *Varroa* in Uganda and knowledge about it by the beekeeping industry. Journal of Apicultural Research. doi.10.1080/00218839.2016.115985 15. Kasangaki, P., **Chemurot, M.,** Sharma, D and R. K. Gupta (2014). Bee Hives in the World, In book: Beekeeping for Poverty Alleviation and Livelihood Security, Chapter: 4, Publisher: Springer, Editors: Gupta, R.K., Reybroeck, W, van Veen, J.W., Gupta, A. 16. **Chemurot, M.**, Kasangaki, P., Ojja, F., Sande, Eric and Isabirye-Basuta, G. (2013) Beehive and honey losses caused by bush burning in Adjumani District, Uganda. Bee World, 90 (2) 33-35. 17. **Chemurot, M.** (2012). Beekeeping in Adjumani District, Uganda. Bee World, 88 (3) 58-61. 18. Kahindo, C.M.N., Barakabuye, N., **Chemurot, M.,** Sande, E. and Nsabagasani, C. (2009). Status of the globally endangered Grauer's Rush Warbler (*Bradypterus graueri*) in Rugezi Marsh, Rwanda. In

		Society for Conservation Biology (SCB), 1st Meeting of the Africa section.
16.	Awards	Fellow at the Uganda National Academy of Sciences (FUNAS)
17.	Grants	1. Exploring forage resources for stingless bees in Uganda: The case of *Meliponula bocandei* -Funded by Government of Uganda (2021-2022) USD: 28,000 2. Exploring stingless bee products for nutritional and medicinal values in Uganda (Bee-Nutri-Medicine project)-Funded by Government of Uganda (2020-2021) USD: 52,000 3. Generating information on bee pollinator diversity and distribution in Uganda through the application of ecological and informatics tools–Funded by JRS (2019-2022) USD 270,000 4. Domesticating stingless bees in Uganda under the National Agricultural Research Organisation (2018-2021) USD 110,000