



THE TECHNICAL UNIVERSITY OF KENYA

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Consultation Hours:	8AM-5PM MON - FRI



EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	AGRICULTURAL ENGINEERING	UNIVERSITY OF PRETORIA(South Africa)	2009
Masters of Science (M.Sc.)	AGRICULTURAL ENGINEERING	UNIVERSITY OF NAIROBI(Kenya)	1994
Bachelor of Science (BSc)	AGRICULTURAL ENGINEERING	UNIVERSITY OF NAIROBI(Kenya)	1989

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
Prosper Mhlanga, Moses Okoth Marennya, Nikita Tawanda Tavengwa, and David Tinarwo. 2023. Anaerobic co-digestion of canteen food waste and cow dung. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects. Vol. 45, No. 4, 11341-11348. https://doi.org/10.1080/15567036.2023.2257149	View online	2023
F. C. Muga, T. S. Workneh, M. O. Marennya. 2019. Deteriorative Changes in Maize Kernels Due to <i>Aspergillus flavus</i> (A flavus) and <i>Fusarium Verticillioides</i> (F verticillioides). Acta agriculturae Slovenica, Vol. 114(1), 69 – 74	View online	
J. P. O. Obiero, M. O. Marennya, T. R. Nkuna. 2019. Hydrologic response modelling in Lutanandwa River Catchment, Limpopo Province, South Africa. Journal of Engineering in Agriculture and the Environment, vol. 5 (1), 1 – 13. https://doi.org/10.37017/jae-vol5-no1.2019-1	View online	
E. Y. H Bobobee, P. N. Yakanu, M. O. Marennya, J. B. O. Ogola. 2019. The TEK mechanical cassava harvester development in Ghana – challenges, opportunities and prospects for cassava production in Africa. Journal of Engineering in Agriculture and the Environment, vol. 5 (1), 41 – 60. https://doi.org/10.37017/jae-vol5-no1.2019-4	View online	
F. C. Muga, M. O. Marennya, T. S. Workneh. 2021. Modelling the Thin-Layer Drying Kinetics of Marinated Beef During Infrared Assisted Hot Air Processing of Biltong. International Journal of Food Science, vol. 2021, Article ID 8819880, 14 pages, 2021. DOI: https://doi.org/10.1155/2021/8819780 .	View online	
D. S. Monyetware, M. O. Marennya, A. I. O Jideani. 2021. Effect of conventional bulk packaging materials, storage temperature and duration on quality of dried mopane work (<i>Imbrasia belina</i>). Journal of Engineering in Agriculture and the Environment, vol. 7 (1), 1 – 17. DOI: https://doi.org/10.37017/jae-vol7-no1.2021-1 .	View online	
F. C. Muga, M. O. Marennya, T. S. Workneh. 2021. A Heat and Mass Transfer Model for Predicting the Drying of Beef During Biltong Processing Using Infrared Assisted Hot Air Drying. J. Biosyst. Eng.46, 273 – 285. DOI: https://doi.org/10.1007/s42853-021-00105-x .	View online	
F. C. Muga, M. O. Marennya, T. S. Workneh. 2019. Effect of temperature, relative humidity, and moisture on aflatoxin contamination of stored maize kernels. Bulgarian Journal of Agricultural Science, 25(2), 271 – 277	View online	
F. C. Muga, T. S. Workneh, M. O. Marennya. 2018. Electrical properties of maize kernels contaminated with aflatoxin. Agricultural Engineering International: CIGR Journal, 20(2): 197 – 205	View online	
F.C. Muga, T.S. Workneh, M. O. Marennya. 2020. Modelling the Thin-Layer Drying of Beef Biltong Processed Using Hot Air Drying. J. Biosyst. Eng. 45, 362 – 373, DOI: https://doi.org/10.1007/s42853-020-00076-5	View online	
18. D. S. Monyetware, M. O. Marennya. 2023. Effect of selected retail packaging materials, storage temperature and time on the quality of dried mopane worm (<i>Imbrasia belina</i>). African Journal of Food, Agriculture, Nutrition and Development (AJFAND) Volume 23 No. 4.	View online	
18. D. S. Monyetware, M. O. Marennya. 2023. Effect of selected retail packaging materials, storage temperature and time on the quality of dried mopane worm (<i>Imbrasia belina</i>). African Journal of Food, Agriculture, Nutrition and Development (AJFAND) Volume 23 No. 4.	View online	
D. S. Monyetware, M. O. Marennya. 2023. Effect of selected retail packaging materials, storage temperature and time on the quality of dried mopane worm (<i>Imbrasia belina</i>). African Journal of Food, Agriculture, Nutrition and Development (AJFAND) Volume 23 No. 4.	View online	

TITLE

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