



UNIVERSITY OF EMBU

STAFF PROFILE

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Title/Qualification: Prof.

Position: Dean: School of Student

Department: Agricultural Resource Management

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Short Biography:

Research Interests: Heterosis breeding in maize and wheat



Publications in Journals:

1. Wafula, J. N., **Mugendi, F. N.**, Nthakanio, P. N., Mosioma, J. O., & Onyari, C. N. (2022). Effects of Variety, Spacing and Nitrogen Application on Chickpea (*Cicer arietinum*) Growth and Yield in Embu County, Kenya.
2. Wafula, J. K., **Njoka, F. M.**, Nthakanio, P. N., Mosioma, J. O., Mukono, S. T., & Onyari, C. A. (2021). Nodulation and protein content of selected chickpea varieties as impacted by spacing and n-fertiliser rates in Eastern Kenya. *African Journal of Agricultural Research*, 17(6), 882-895.
3. Tubei, E. J., **Njoka, F. M.**, Ombori, O. Njau, P.N. (2018). Introgression of Stem Rust Resistance into Popular Kenyan Wheat Varieties to Improve Production *Journal of Advances in Biology & Biotechnology*, Vol 17, Issue 1 pp 1-11. ISSN: 2394-1081
4. Tubei, E. J., Omwoyo, O., Njau, P.N., **Njoka F.M.** (2017). Determination of Stem Rust Ug99 Disease Severity in Selected Wheat Backcrosses in Kenya. *Journal of Agriculture and Veterinary Science* Volume 10, Issue 5 Ver. I May. 2017), PP 66-71
5. **Njoka, F.M.**, Kariuki J.M. (2017). Agronomic Performance of Single Crosses of Maize in Kiambu and Embu Counties of Kenya. *Journal of Applied Life Sciences International*. Vol 2(1): 1-8, 2017; Article no.JALSI.30932 ISSN: 2394-1103
6. Manene, D. W., **Njoka, F.M.** (2017) Determination of Post Striga Attachment Resistance in Selected Resistant Sorghum Lines in Kenya. *Journal of Global Agriculture and Ecology* Volume 7, Issue 1: 36-42, 2017.
7. **Njoka, F.M.**, Margaret, O., Omondi, C., Kathurima, E. (2017). Pathogenicity of *Colletotrichum kahawae* in Kenya. *International Journal of Science and Research (IJSR)* Volume 6, Issue 5, 491-494, 2017.
8. Kiranga, N. A, **Njoka, F.M.**, Nderito, C. W. (2017) Physiological and Agronomic Performance of Domesticated and Wild Cotton Germplasm from Selected Regions of Kenya. *Journal of Applied Life Sciences International* Volume 11, Issue 3: 1-7, 2017.
9. Kariuki, J.M, **M. Njoka**, Leley, P. K., Manene, D. W. (2016). Combining Ability of Inbred Lines of Maize (*Zea mays*) in Kiambu and Embu Counties, Kenya. *International Journal of Plant & Soil Science* 12(4): 1-8

10. Kithure, R. K., Muchugi, A., Jamnadass, R., **Njoka, F.M.**, Mwaura, L. (2015). Genetic diversity of *Faidherbia albida* (Del.) A. Chev accessions held at the World Agroforestry Centre. *Journal of Forests, Trees and Livelihoods* Vol (1): 1-12.
11. Sande F. O., **Njoka F. M.**, Mgotu J. A., Anami E. A. (2014) Screening for water deficit tolerance, relative growth analysis and *Agrobacterium*-infectivity in Tropical maize (*Zea mays*). inbred lines in Nairobi. *International Journal of Life Sciences Research* Vol. 2 (4): 218-224.
12. Melil K. Charles, **Njoka M. Fredrick**, Ombakho A. George, Omari M. Odongo (2013). Genetic variability analysis for growth and yield parameters in double cross maize (*Zea mays* L.) genotypes in Kitale county of Kenya; *Journal of Plant Breeding and Genetics*, Volume1.
13. Grace K., **Njoka F. M.** (2013) Identifying morpho-physiological characteristics associated with drought tolerance in selected Chickpea germplasms in Nakuru and Baringo Counties, Kenya. *Agriculture Science Developments* (11): 106-115.

Books/Book Chapters Published

- 2.10.70 Name: Agricultural Sector Development Support Programme (ASDSP) report (Volume 1).
- 2.10.71 Year of publication: 2014
- 2.10.72 Authors: Ministry of Agriculture, Livestock and Fisheries
- 2.10.73 Title: Household Baseline Survey Report, Embu County.
- 2.10.70 Name: Plant Breeding reference materials
- 2.10.71 Year of publication: 2015
- 2.10.72 Authors: Fredrick M. Njoka
- 2.10.73 Title: Introduction to Plant Breeding: For Agriculture and Biology students in Universities and Tertiary Institutions.
- 2.10.70 Name: Cell Biology reference materials
- 2.10.71 Year of publication: 2014
- 2.10.72 Authors: Fredrick M. Njoka
- 2.10.73 Title: Cell Biology and Genetics