

CHARLES ANDREW NYAMBANE ONYARI

Name: Charles Andrew Nyambane Onyari

Title/Qualification: Dr. / Doctorate (PhD) in Agronomy

Position: Lecture and Director, University Examinations

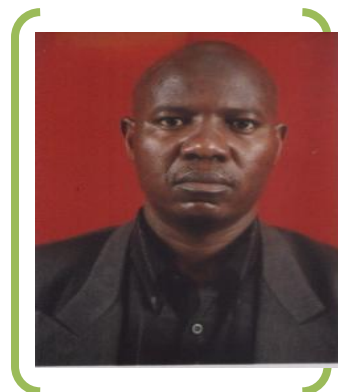
Department: Land and Water Management / Directorate of University Examinations

School: Agriculture

Area of Specialization: Agronomy, Crop Production Modeling, Soil and Water Management, Agrometeorology, EIA/A Expert

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Short Bibliography

Trained agriculturist and teacher with background in agricultural engineering, agronomy (crop science), and postgraduate education. I am married with a family, sociable, a team player and focused on results.

Research Interests

My research interests are in crop growth/yield modeling, soil and water management, soil fertility, dryland farming, biometrics and environmental impact assessment/audit.

Work Experience

1990-1997: Secondary School Teacher (Nyamira). 1997-2000: Agriculture/Irrigation Officer (Mandera). 2000-2003: Technology Development/Testing Engineer (ATDC – Nakuru). 2003-2008: Deputy DAO/Extension Training Officer (Kirinyaga). 2008-2012: Principal Lecturer / HoD (EAST College, Embu. 2012-2013: Deputy Principal (KSA – Nyeri). 2013-2018: Assistant Lecturer (UoEm). 2018 – Date: Lecturer (UoEm).

Publications

1. Kaloi FK, Isaboke H N, **Onyari C N** & Njeru L K. (2021). Determinants Influencing the Adoption of Rice Intensification System among Smallholders in Mwea Irrigation Scheme, Kenya. *Advances in Agriculture*, 2012: 1-8.
2. Kaloi FK, Isaboke H N, **Onyari C N**, & Njeru L K. (2020). Comparing productivity of rice under system of rice intensification and conventional flooding: A switching regression approach. *African Journal of Agricultural Research*, 16(10), 1355-1363.
3. GK Robert, **CN Onyari** & JG Mbaka (2020). Development of a Water Quality Assessment Index for the Chania River, Kenya. *African Journal of Aquatic Science*, 2020: 1–11.

4. Muchoka J. P., Mugendi, D. N., Njiruh P. N., **Onyari C. N.**, Mbugua P. K. and Njeru E. M. (2020). Mycorrhiza co-association with *Aspilia pruliseta* Schweif. and phosphorus uptake effects on growth of gadam sorghum in the semi-arid lower Eastern Kenya. *Journal of Dryland agriculture, Vol. 6(5), pp. 46-53.*
5. Muchoka J. P., Mugendi, D. N., Njiruh P. N., **Onyari C. N.**, Mbugua P. K. and Njeru E. M. (2020). Arbuscular Mycorrhizal Fungi Colonization in the Rhizosphere of *Aspilia pruliseta* Schweif. ext Schweif in the Semiarid Eastern Kenya. *Air, Soil and Water Research, 13: 1–10.*
6. P.W. Ndung'u, G. Mwithiga, **C.N. Onyari**, G. Muriithi, S.T. Mukono (2020). Evaluating the surface functional groups on banana leaf petioles and the resultant biochar for potential adsorbance. *Journal of Materials and Environmental Science, 2:255-261.*
7. **Onyari C N**, Kibe A M, & Mwonga SM (2017). Inter-seasonal effects on selected maturity parameters of DK8031 maize grown under varying irrigation and nitrogen levels in Embu County, Kenya. *Asian Journal of Agriculture 5(3):1-13.*
8. **Onyari C N**, Kibe A M and Mwonga S M (2015). Growth Parameters of DK8031 Maize Variety as Affected by Varying Irrigation and Nitrogen Fertilizer Rates in Embu County, Kenya *Journal of Environmental Science and Engineering A 4 (2015) 432-444.*
9. Robert M. Ogeto, Patience Mshenga, Erick Cheruiyot and **Charles N. Onyari** (2013). Sorghum production for food security: A socio-economic analysis of sorghum production in Nakuru County, Kenya. *African Journal of Agricultural Research, 8(47):6065-6067.*
10. Robert M. Ogeto, Patience Mshenga, Erick Cheruiyot and **Charles N. Onyari** (2012). Influence of institutional factors on sorghum production in Nakuru County, Kenya. *Journal of agricultural Economics and Development, 1(6):130-137.*
11. **Onyari C.A.N.**, Ouma JP, and Kibe A.M. (2010). Effect of tillage method and sowing time on phenology, yield and yield components of chickpea (*Cicer arietinum L.*) under semi-arid conditions in Kenya. *Journal of Applied Biological Sciences, 34:2165.*
12. Kibe A.M., **Onyari C.N.**, Ouma J.P. and Kariuki J.N. (2009). Inter-seasonal water use efficiency of chickpea grown in a semi-arid environment of Naivasha under varying tillage and sowing dates. *Proceedings of Second Research week held at ARC, Egerton University.*
13. A.M. Kibe and **C.N. Onyari** (2007). Production functions and their use in predicting biomass yield under varying tillage and sowing dates in Naivasha, Kenya. *Agricultural Journal 2(4):5114-519.*