

Mr. MICHAEL MAIRURA OKEYO CURRICULUM VITAE

Citizenship: Kenyan, **Gender:** Male, **Language:** English

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Qualifications:

MPhl (Seed Science) and BSc (Forestry) Moi University,

Current Position:

Senior Research Officer (SRO) at the Kenya Forestry Research Institute (KEFRI) station at the Dryland Eco-region Research Programme – Kitui. Involved in dryland silviculture and seed science research.



EDUCATION BACKGROUND

2016 - 2019: Egerton University

Doctor of Philosophy student in Natural Resource Management student at Egerton University

2006 - 2008: Moi University

Master of philosophy in seed science and technology

2004 - 2004: China National Bamboo Research centre

Three Months Post graduate Diploma in Bamboo Technology

1999 - 2003: Moi University

Bachelor of Science in Forestry (First Class Honours)

1995 - 1988: Egerton University

Diploma in Forestry

1982 - 1984: Homa Bay School

Kenya Advanced Certificate of Education (Two Principals and Subsidiary)

1979 - 1982: Sameta Secondary School

Kenya Certificate of Education (Division Two of 23)

1972 - 1978: Nyansiongo Primary School

Certificate of Primary Education (27 points)

OTHER TRAININGS AND PROFESSIONAL EXPERIENCE

2017/18 Trained internal auditor of the ISO 2015 QMS and EMS by a **Consultant**

2014 EIA lead expert No. 7470 by **CETRAD / NEMA**

2005 Certificate in Farmers Field Schools (FFS) by **FAO / KEFRI**

1988 Tree seed collection, climbing and processing at **Germany**

PROFESSIONAL EXPERIENCE, RESPONSIBILITIES AND ACHIEVEMENTS

Period	Station	Position and work	Achievements
2013 to date	Dryland Eco-region Research Programme (DERP) – Kitui A PhD student at Egerton University	Research Officer In-Charge of Silviculture, Seed Technology and Bamboo Research	Establishment of Seed Orchards, Progeny trials and Seed stands. Development of germination protocols for Dryland tree species.
2008 to 2012	Rift Valley (Londiani) and Coast (Malindi) Eco-region Forestry Research Programmes	Research Officer In-Charge of Silviculture, Seed Technology and Bamboo Research, The 1 st KCDP Project Coordinator	Established four Bamboo Trial and Demonstration plots at Turbo, Marigat, Sotik, and Londiani Establishment of Seed Orchards, Progeny trials and Seed stands
2004 to 2008	Marigat Research Sub-Centre	Research Officer and the Prosopis Project Coordinator	Initiated the Management and Control of Prosopis at Baringo
1988 to 2003	Londiani, Gede, Kitale and Kakamega Forestry Research Stations	Forester In-Charge of Tree seed collection activities, selection, establishment, management of seed sources and other research activities.	Ranked the best and 2 nd best Forester in- Charge of tree seed collection and processing in 1991 and 1992 respectively.

PROFESSIONAL SOCIETIES

2015/2016 to date	Member-Environmental Institute of Kenya (EIK)
2011/2010 to date	Member-Forest Society of Kenya (FSK)

JOURNAL PAPERS AND CHAPTERS IN BOOKS

1. Okeyo, M.M., G.O. Obwoyere, D.L. Makanji, J.W. Njuguna, J. Atieno (2020). Promotion of *Terminalia brownii* in Reforestation by Development of Appropriate Dormancy Breaking and Germination Methods in Drylands; Kenya. In Press, Journal Pre-proof, Available online 11 June 2020.
2. Okeyo, M.M., G.O. Obwoyere, D.L. Makanji, J.W. Njuguna and J.A. Omondi 2019. Fungal diseases attacking floral phenology of *Terminalia brownii* in drylands, Kenya. *Poplar* 2019, 203, 5-11, on-line journal, UDC: 582.776.7:632.4(676.2).
3. Bala, P., Giathi, G., Oeba V., Omondi, F. S., Luvanda, A. and **Okeyo, M. M.** (2017). Effect of seasonality, graft type and scion characteristics on propagation of *Vitex payos* in the drylands of Kenya. *Journal of Horticulture and Forestry*. Vol. 9(6), pp. 49-58.
4. **Okeyo, M. M., Nicholas, J., Luvanda A., Mwamburi, A., Ndufa, J. K., Bor, N. and Munyao, D.** (2016). Extension Approaches in the Promotion of *Melia volkensii* in Lower Eastern, Kenya, 2016. *International Journal of Applied and Pure Science and Agriculture* June, 2016. ISSN. Online – 2394-5532.
5. Musingo T. E. M.; L. Wekesa; C. Wekesa ; N. Leley; M. Ntabo; A. Eshitera; M. Karangi; L. Cheruiyot; P. Manyala; **M. M. Okeyo**; M. Sheikh; K. Kihara; M. Muchiri; P. Ongugo; A. Kala and B. Owuor (2016). Capability Map for Growing High Value Tree Species in the Coast Region of Kenya
6. **Chapters in books as author or co-author:**
 - a. Chapter on “Investigation on the Germination of the African Satinwood Seed (*Zanthoxylum gillettii*)” in *Innovations as Key to the Green Revolution in Africa - Volume II*, 2011
 - b. Chapters on: “Natural Forest Restoration Options” and “The Main High Value Tree Species for Restoration of Degraded Mau Forests Complex” in the *Restoration Handbook for Moist Forests in Kenya Handbook* April 2010.
 - c. Chapter on *Zanthoxylum gillettii* in **PROTA 7 (1): Plant Resources of Tropical Africa – Timbers - Volume I**. Leiden, Netherlands, 2008.
7. Master of Philosophy Thesis on the “A Study on the Germination and Dormancy of the African Satinwood Seed [*Zanthoxylum gillettii* (De Wild) Waterman]” September 2009.
8. **Okeyo, M.M.,** J.R. Okalebo, E. K. Koech, C.O. Othieno and K.W. Ndung’u (2003). Residual Effect of Minjingu Phosphate Rock and Short Fallow Biomass Incorporation on Maize Yields in Bumala, Kenya. A Paper presented at the 6th African Crop Science Conference at Hilton Hotel, Nairobi, Kenya.

RESOURCE MOBILIZATION

I have participated in writing a number of research proposals and the last one we wrote to the National Research Fund (NRF) was successful. We are currently implementing the project where I am the principle investigator (PI) of the Multidisciplinary and Multi-institutional Research Proposal titled: ‘*The Promotion of Terminalia brownii Propagation for Agroforestry, Livelihood Improvement and Resilience to Climate Change in the Drylands of Kenya – 2017/18.*’

REFEREES

1. Dr. Dickson L. Makanji Lecturer Egerton University; P. O. Box 536 – 20115; **EGERTON**
Mobile: 0702115860; **Email:** lmakanji@yahoo.co.uk
2. Dr. James K. Ndufa Chief Research Scientist KEFRI, P. O. Box 20412-00200; **NAIROBI**
Mobile 0722 983 238, **Email:** jkndufa@yahoo.com
3. Dr. Robert R. Nyambati, Principal Research Officers, P. O. Box 20412-00200; **NAIROBI**
Mobile 0722 273 595; Email: nyambatir@gmail.com