



RESEARCHER ID :

SCOPUS ID :

ORCHID:

Position: Research Scientist – Tree Seed Science and Technology

1. PERSONAL INFORMATION

- | | |
|--------------------|---|
| 1.1. NAME | Bernard M. Kamondo |
| 1.2. ADDRESS | P. O. Box 20412 – 00200 Nairobi, Kenya |
| 1.3. PHONE | +254721634172 |
| 1.4. EMAIL ADDRESS | bkamondo@kefri.org / kamondobernard@gmail.com |
| 1.5. NATIONALITY | Kenyan |
| 1.6. GENDER | Male |

2. QUALIFICATIONS

2.1. Academic Qualifications

- 1991 – 1993 Msc. Tropical Forestry Wageningen University, The Netherlands
- 1985 – 1988 Bsc. Forestry, Moi University, Eldoret, Kenya

2.2. Key Competencies

- Project formulation and implementation
- Setting up and management of national tree seed production system
- Environmental impact assessment and audit

2.3. Other Courses

- 2.3.1. ISO 14001:2004, EMS Lead Auditor Course. October 2011. Kenya Bureau of Standards
- 2.3.2. ISO 14001:2004, EMS Internal Auditor Course. June 2010. KEFRI
- 2.3.3. Scientific Communication and Publishing. April – May 2008. University of Nairobi
- 2.3.4. Environmental Impact Assessment and Audit Course. 17th March to 4th April 2008. Kenya Institute of Administration
- 2.3.5. Competitive Grant Systems Proposal Writing. 7 – 11 November 2005. National Museums of Kenya, Topridas Consultancy Services and Research Programme on Sustainable Use of Drylands
- 2.3.6. East Africa Biodiversity and Law Training. August 1999 Global Biodiversity Institute, Inc., Wilmington, Delaware, USA and ICIPE

3. EMPLOYMENT HISTORY

- 3.1. 2004 - Present: Research Scientist, Kenya Forestry Research Institute, Nairobi
- 3.2. 2000-2003: Project Officer – Secondment to Kenya Seed Conservation ‘‘Seeds for Life’’
Project – National Museums of Kenya (NMK)
- 3.3. 1997 - 2000: Secretariat Officer – Plant Genetic Resources Working Group – NMK
- 3.4. 1993-1997 –Research Scientist, Kenya Forestry Research Institute
- 3.5. 1991 – 1993 Post graduate student
- 3.6. 1988 - 1991: Assistant Research Officer, Kenya Forestry Research Institute

4. ADMINISTRATIVE RESPONSIBILITY

- 4.1. October 2019 to present, Seed Centre Manager, KEFRI
- 4.2. 1993-1997 –Acting Manager, Kenya Forestry Seed Centre

5. PUBLICATIONS

5.1. Journal papers

- John Otuoma, Jeff Odera, Elly Bodo, Paul Ongugo, Vincent Oeba, Bernard Kamondo . 2011. Annual allowable cut for merchantable woody species in a community managed forest in western Kenya. *Forest Ecology and Management* 262 (2011) 2281–2286
- D. O. Nyamongo, B.M. Kamondo, J.G. Kariuki, P.W. Wambugu and C. M. Osore. 2014. Effect of pre-sowing seed treatment on germination of East African Sandalwood. *E. Afr. agric. For. J.* (2014) 80(2),69-75
- Kamondo Bernard and Muok Bernard. 2007. Use of Wild Plants for Food in Kenya’s Arid and Semi-arid Lands. *Discovery and Innovation Journal*, Volume 19 (RPSUD Special Edition No. 2). Pages 117 – 275. African Academy of Sciences, Kenya. pp170 – 176

5.2. Books

- Kamondo B., Muturi G., Mbuvi M.T.E, Ochieng D., Wekesa C., Riziki M., Akinyi L. 2019. Status of Buda Forest. KEFRI. Kenya.
- Kimondo J.M., Oduor N.M., Kamondo B.M. and Ochieng D.O. 2016. Commercialization of Non-Wood Forest Products through Linkages to SMEs and Community Groups
- Kamondo B.M., Kariuki J.G., Luvanda A.M. Muturi G.M. and Ochieng D, 2016. (eds). Guideline on Production, Distribution and Use of Improved Melia Seed and Seedlings in the Drylands of Kenya. KEFRI, Kenya.

5.3. Book Chapter

- Giathi G. Kamondo B. and Kyalo E. 2016. Collection and Processing of Improved Melia Seed. In: Kamondo B.M., Kariuki J.G., Luvanda A.M. Muturi G.M. and Ochieng D, 2016. (eds). Guideline on Production, Distribution and Use of Improved Melia Seed and Seedlings in the Drylands of Kenya. KEFRI, Kenya.
- Kariuki J., Kamondo B., Muchiri D., Kigwa B., Auka S. and Ochieng D. 2016. Transplanting and Management of Improved Melia in the Field. In: Kamondo B.M., Kariuki J.G., Luvanda A.M. Muturi G.M. and Ochieng D, 2016. (eds). Guideline on Production, Distribution and Use of Improved Melia Seed and Seedlings in the Drylands of Kenya. KEFRI, Kenya.
- Luvanda A., Ogawa S., Takeda Y., Kariuki J., and Kamondo B. 2016. Distribution System of Improved Melia Seed and Seedlings and Capacity Building. In: Kamondo B.M., Kariuki J.G., Luvanda A.M. Muturi G.M. and Ochieng D, 2016. (eds). Guideline on Production, Distribution and Use of Improved Melia Seed and Seedlings in the Drylands of Kenya. KEFRI, Kenya.
- Kamondo B., Kariuki J., Muturi G. and Luvanda A. 2016. Institutional and Legal Issues Applicable in Production, Distribution and Use of Improved Melia Seed and Seedlings .In: Kamondo B.M., Kariuki J.G., Luvanda A.M. Muturi G.M. and Ochieng D, 2016. (eds). Guideline on Production, Distribution and Use of Improved Melia Seed and Seedlings in the Drylands of Kenya. KEFRI, Kenya

5.4. Technical Notes /Protocols/Guidelines

- Kamondo B., Giathi G., Machua J., Bala P., Njuguna J., Wakori S. and Kamau N. 2014. Growing of East African Sandalwood. Guidelines for Tree Growers. KEFRI, Nairobi.
- Kamondo B, Angaine P. Vandenabeele J. 2013. Nurturing High Quality Tree Seed. Miti. The tree business magazine for Africa. A publication of Better Globe. Issue Sept 2013. P 32.
- Kamondo B, Chahilu O, Gitahi G. and Kariuki J. 2012. Collection, Handling and Germination of *Osyris lanceolata* Seeds: Guidelines for use by farmers and extension agents.
- Kamondo B, Okeyo M. and Kigwa B. 2012. The right tree in the right place: it is not enough to pick the right species, you need the right provenance as well. Miti. The tree business magazine for Africa. A publication of Better Globe. Issue No. 14. April – June 2012. pp 8-9.
- Mbinga J.M, Okeyo M. M, Kamondo B.M. and Njuguna J.C. 2010. Options for restoring degraded Mau Forest Complex. KEFRI – FOREAIM Information Leaflet No. 1.

- Mbinga J.M, Okeyo M.M, Kamondo B.M. and Njuguna J.C. 2010. High value tree species for rehabilitation of degraded Mau Forest Complex. KEFRI – FOREAIM Information Leaflet No. 2.
- Njuguna J.C, Kimiti J.M, Langat D, Okeyo M.M, Kamondo B.M. and Mbinga J.M. 2010. Indicators of forest degradation in Mau Forest Complex. KEFRI – FOREAIM Information Leaflet No. 5.

5.5. Policy Briefs

6. RESEARCH

6.1. Completed

- Mass Propagation of East African Sandalwood: St & I Research Grant 2009: NCST File No. NCST/5/003/372
- Use of Wild Plants for Food in Kenya's Arid and Semi-arid Lands. Research Grant by Research Project on Sustainable Use of Drylands (RPSUD) in 2006 – 2007
- Development of seed handling protocols for indigenous tree species – GTZ Funded Kenya Forestry Seed Centre 1990 to 1995
- Comparative storage biology of tropical tree seeds – Testing of Desiccation Tolerance of Tree Seed 1995 IPGRI – DANIDA Project
- Farmers practices in tree seed handling and their future role in tree seed supply: an exploratory survey carried out in the Kakamega-Kisii, Siaya – South Nyanza, Kitale and Nakuru regions

6.2. Ongoing research

- Propagation of Sandalwood for Livelihoods Support, Adaptation to Climate Change and Conservation of its Genepool – NRF Supported Project
- Validation of Handling Procedures for Enhancing Seed Quality of *Acacia* Spp and *Pinus patula* Seeds
- Validation of storability of *Melia volkensii* seeds stored as nut and seeds

6.3. Mentorship and supervision

- Florence Towett – Assistant Research Officer KEFRI (2017 – 2019)

7. INNOVATIONS AND PATENTS (Intellectual Property)

8. CONFERENCES/SEMINARS/WORKSHOPS

8.1. Presentation of Papers at Academic and Professional Conferences

- Kamondo B.M., Kyalo E., Oganda P., Matsushita M., and Ingutia C. 2018. Status of Seed Production in *Melia volkensii* Clonal Orchards. In: Ochieng D., Kamondo B. and Muturi G.M. 2018. (eds). Proceedings of International Conference on ‘Project on Development of Drought Tolerant Trees for Adaptation to Climate Change in Drylands of Kenya’ held at KEFRI Muguga 13-16 February 2017. KEFRI, Kenya.
- Kamondo B.M., Kariuki J.G., Nyamongo D.O., Giathi G., Wafula A.W. and G.M. Muturi. 2018. Viability of East African Sandalwood Seed Stored at Various Temperatures for Two Years. In: Chagala-Odera E., Ochieng D., Wanjiku J., Muchiri M.N., Gichora M., Tuwei P., Kamondo B., Mengich E., Langat D., Oballa P., Muthike G., Chiteva R., Kagombe J., Cherotich L., Gathogo M., Muthama A. and Oduor N. (Eds). 2018. ‘Contribution of Forestry Research to Sustainable Development’: Proceedings of 5th KEFRI Scientific Conference, 17 – 19 April 2018 at KEFRI Headquarters Muguga. KEFRI, Kenya.
- Kamondo, B., Machua, J., Gitehi, G., Otieno B., Chahilu, O. and Wakaba, S.N. 2010. Propagation of *Osyris lanceolata* (East African Sandalwood). National Council For Science and Technology Conference for Dissemination of Research Results and Exhibition of Innovations 3rd – 7th May 2010.
- Kamondo B.M. and Kalanganire A. 1995. Possibilities of Mass Propagation of *Melia volkensii*, In: Olesen K. 1995. (ed). Innovations in Tropical Tree Seed Technology. Proceedings of the IUFRO Symposium of the Project Group P.2.04.00 ‘Seed Problems’. Arusha, Tanzania. 7-10 September 1995.
- Kamondo B.M. 1991. Cost of Seed Collection. Problems and Possibilities in Tree Seed Procurement and Provision. In: Schnier P. 1991. (ed). Proceedings of 1st National Tree Seed Workshop. 1-5 July, 1991, Nairobi. Executive Printing Works Ltd.
- Scheafer C., Wanyondu J., Kamondo Collection and Handling of Tree Seed, 1990. In: KEFRI 1990. A Dryland Forestry Handbook for Kenya.

8.2. Participation in Workshops/Conferences

- International Conference on ‘Project on Development of Drought Tolerant Trees for Adaptation to Climate Change in Drylands of Kenya’ held at KEFRI Muguga 13-16 February 2017
- 5th KEFRI Scientific Conference, 17 – 19 April 2018
- National Council For Science and Technology Conference for Dissemination of Research Results and Exhibition of Innovations 3rd – 7th May 2010
- IUFRO Symposium of the Project Group P.2.04.00 ‘Seed Problems’. Arusha, Tanzania. 7-10 September 1995
- 1st National Tree Seed Workshop. 1-5 July, 1991

8.3. Convening/Coordinating Conferences

9. PROFESSIONAL ENGAGEMENT

9.1. Training

- Resource person in tree seed training courses offered to SADC Tree Seed Centers by KEFRI between 1993 and 1995
- Resource person on tree seed handling and processing topic in training courses offered by JICA – KEFRI Social Forestry Project
- Resources person on handling of Melia seed in training courses offered by KEFRI – JICA Project on Project on Development of Drought Tolerant Trees for Adaptation to Climate Change in Drylands of Kenya

9.2. Consultancies

9.3. Collaboration with external organizations

- DANIDA / IPGRI in implementation of Testing of Desiccation Tolerance of Tree Seed 1995 IPGRI – DANIDA Project
- Royal Botanical Gardens, Kew – Millennium Seed Bank Project on long term conservation of Kenya Plant Genetic Resources
- SADC Seed Centers in building capacity of seed center staff in the SADC region

10. EXTERNAL AND INTERNAL RESEARCH GRANTS

- Mass Propagation of East African Sandalwood: St & I Research Grant 2009: NCST File No. NCST/5/003/372
- Propagation of Sandalwood for Livelihoods Support, Adaptation to Climate Change and Conservation of its Genepool – NRF

11. LOCAL, REGIONAL & INTERNATIONAL APPOINTMENTS

11.1. Local

- Project Officer – Seeds for Life Project (2000 – 2004)

11.2. Regional

11.3. International

12. AWARDS AND RECOGNITION

- KEFRI Board of Directors commendations for: Employee of the year at Central Highlands Ecoregion Research Programme (2015)
- Excellent service (2015 & 2014), and Special award in scientific category (2014)

13. CONTRIBUTION TO KEFRI ADVANCEMENT

- Anchoring of KEFRI as the supplier of high quality tree seed through being part of the founding team of the seed center
- Anchoring of KEFRI as the pioneer institution in research on East African Sandalwood propagation
- Ensuring KEFRI conforms to international standards by being a member of the pioneer team that developed the Environmental Management System
- As a member of the editorial team, helped in ensuring KEFRI produced publications that are responsive to the needs of different categories of stakeholders

14. MEMBERSHIP TO PROFESSIONAL BODIES

- Environmental Institute of Kenya

15. REFEREES

Dr. Desterio Nyamongo
Director, Genetic Resources Research Institute
(GeRRI)
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Timothy Pearce
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Royal Botanic Gardens, Kew
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