

## CV FORMAT – KEFRI SCIENTISTS

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### PICTURE



**Position:** Chief Research Scientist (Natural Resource and Capacity building)

### 1. PERSONAL INFORMATION

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|--------------------|---|
| 1.1. NAME          | Michael O. Mukolwe  |
| 1.2. ADDRESS       | P.O. Box 20412-00200, Nairobi, Kenya  |
| 1.3. PHONE         | +254733850391   |
| 1.4. EMAIL ADDRESS | <a href="mailto:mmukolwe@kefri.org">mmukolwe@kefri.org</a> / michaelmukolwe@yahoo.com |
| 1.5. NATIONALITY   | Kenyan  |
| 1.6. GENDER        | Male  |

### 2. QUALIFICATIONS

#### 2.1. Academic Qualifications

- 2016: Doctor of Philosophy, Natural Resource Management (PhD), Egerton University, Kenya
- 1999 Masters of Environment and Development (MSc), University of Natal, Republic of South Africa
- 1990 Bachelor of Science (Forestry), Australian National University, Australia
- 1985 Diploma in Forestry, Egerton University, Kenya

#### 2.2. Key Competencies

Forestry, Natural Resources Management, Urban and Amenity Forestry and Capacity Building

#### 2.3 Other Courses

### 3. EMPLOYMENT HISTORY

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|--------------------------|--|
| 2019 to-date:            | Chief Research Scientist/ Coordinator, KEFRI Graduate Research School (KGRS) |
| Sept. 2017 to Nov 2019:  | Chief Research Scientist/Training Manager                                    |
| Sept. 2010 to Sept 2017: | Principal Research Scientist/Training Manager - KEFRI                        |
| Jul 2004 to Sept. 2010:  | Senior Research Officer/Training Manager KEFRI                               |
| Sept. 1999 to July 2004: | Research Officer/Training Manager - KEFRI                                    |
| Dec. 1998 to Aug. 1999:  | Head, Research Liaison and Consultancy Services - KEFRI.                     |
| 1994 – 1998:             | Research/Training Officer - KEFRI  |
| 1990-1994:               | Assistant Research /Training Officer - KEFRI                                 |
| 1985 – 1990:             | Forester - KEFRI   |

1981 – 1985:	Forest Assistant Trainee - Forest Department
1981:	Untrained Teacher – Ruiru High School, Kiambu, Kenya

#### 4. ADMINSTRATIVE RESPONSIBILITY

Nov 2019 to-date:	Coordinator, KEFRI Graduate Research School (KGRS)
Sept 1999 - Oct 2019:	Training Manager
Dec 1998 – Aug 1999:	Head, Research Liaison and Consultancy

#### 5. PUBLICATIONS

##### 5.1. Journal papers

- **Mukolwe, M.O.**, Obwoyere, G.O., & Ngesa, F.U. (2018). Influence of Training Interactions on Adoption of Forestry Innovations among Conservation Institutions in Kenya. *International Journal of Scientific Research and Innovative Technology*. Vol. 5 No. 5; May 2018.
- **Mukolwe, M. O.**, Obwoyere, G. O. & Ngesa, F.U. (2016). Influence of Institutional Facilities on Adoption of Forest Innovations in Kenya. *International Journal of Scientific Research and Innovative Technology* ISSN: 2313-3759 Vol. 3 No. 9; September 2016.
- **Mukolwe, M.O.**, Obwoyere, G.O. & Ngesa, F.U. (2016). Influence of Human Resource Needs on Adoption of Forest Innovations in Kenya. *Open Journal of Forestry* 6: 460-475. <http://dx.doi.org/10.4236/ojf.2016.65035>.
- Obiri, J., Lawes, M., and **Mukolwe, M.** (2002). The Dynamics and Sustainable Use of High Value Tree Species of the Coastal Pondoland Forests of the Eastern Cape Province, South Africa. *Forest Ecology and Management* 166: 131-148.

##### 5.2. Books

- Mukolwe, A. F. na **Mukolwe, M.** (watafsiri). (2020). Mwongozo wa Ukuzaji wa *Melia volkensii* Shambani katika Maeneo Kame ya Kenya. CADEP-SFM/KFS 2018.
- AI-CD/KEFRI/JICA. (2019). Measures for Combating Desertification in the Horn of Africa. (eds.) Chagala-Odera, E., **Mukolwe, M.**, Tuwei, P., Wanjiku, J., Ochieng' D., Honjo, Y., and Njenga, E. Nairobi, Kenya.
- AI-CD / KEFRI. (2019) Measures for Combating Desertification: Case Studies from Horn of Africa. **Eds.** Chagala-Odera, E., Wanjiku, J., Tuwei, P., Ochieng, D., **Mukolwe, M.**, Yuki Honjo, Y., and Njenga, E.
- **Mukolwe, M.O.** (2016). *Assessment of Institutional Capacity and Adoption of Forest Innovation in Kenya*. PhD, Thesis in Natural Resources Management. Egerton University, Kenya.
- Spilsbury, M.J., Kowero, G.S., **Mukolwe, M.O.**, Netzehti, A., Legesse, W.W., Nsengiyumva, O., Kiwuso, P. and Sabas, E. (2003). *Forest-related Research Capacity in Eastern Africa*. Rome. FAO.
- **Mukolwe, M.O.** and Kaudia, A.A. (2001). Abstracts of theses and dissertations by Scientists at Kenya Forestry Research Institute: Bibliography (1983-2000). KEFRI Press Unit. Nairobi, Kenya.
- Kaudia, A.A., **Mukolwe, M.O.** and Owuor, B. (2001). Participatory Eco-resource Management: Harnessing Individual Initiatives. In: *Dryland Farming Manual*. International Institute of Rural Reconstruction (IIRR).
- **Mukolwe, M.O.** (1999). *The Potential of Agroforestry in the Conservation of High Value Indigenous Trees: A Case Study of Umzimvubu District, Eastern Cape*. MSc, Thesis. Forest Biodiversity Programme. University of Natal, South Africa.

### 5.3. Technical Notes /Protocols/Guidelines

- Guidelines to On-farm *Melia volkensii* Growing in the Dryland Areas of Kenya. CADEP-SFM/KFS 2018.
- Training Curriculum: Production, Processing and Marketing of Forest Products. KEFRI. September 2015.
- AI-CD/KEFRI/JICA. (2019). Guideline on Effective Measures for Combating Desertification for Achieving Sustainable Development in the Horn of Africa. (eds.) Chagala-Odera, E., **Mukolwe, M.**, Tuwei, P., Wanjiku, J., Ochieng' D., Honjo, Y., and Njenga, E. Nairobi, Kenya.

### 5.5 Policy Briefs

- **Mukolwe, M.O.**, Cheboiwo, J.K. and Wanjiku, J. (2019). Policy Brief on Establishment of the KEFRI Graduate Research School. KEFRI. May 2019.
- **Mukolwe et al.** (1994). Research Interns, Students on Attachment, Research Associates (RISARA) at KEFRI. KEFRI Circular November 1994.

## 6. RESEARCH /COURSES DEVELOPED

### 6.1. Completed/Developed

1. Forest Resources Officers Course (FROC)
2. Participatory Natural Resource Management Course (PNRMC)
3. Tree Nursery Management (TNMC)
4. Tree Seed and Seedling Production Course (TSSPC)
5. Eco-Visual Resource Management Course (EVRMC)
6. Regional Training Course for the Promotion of Social Forestry in Africa
7. Special Regional Training Course for the Promotion of Social Forestry in Ghana, Malawi and Namibia
8. Enhancing Adoption of Social Forestry in Africa
9. Regional Training Course on Mitigating Climate Change in Africa through Social Forestry
10. Regional Training Course on Adaptation to Climate Change in Africa through Social Forestry
11. Policies and Practices for Adaptation to Climate Change (PP4ACC)
12. Peri-urban Farming in Kenya
13. Social Forestry Study Tours for Japanese University Students and Scholars
14. Cross-border Social Forestry Study Tours for Japanese University Students and Scholars
15. Academic study Tours for Japanese University Scholars
16. Technical Study Tours for Practising Environment officers from West Africa

### 6.2. Ongoing research

1. Evaluating the potential of urban green spaces for safe, resilient and sustainable contribution to towns and cities of Kenya

### 6.3. Mentorship and supervision

#### **Bachelor of Science/Environmental Education/Studies students/Interns**

Kenyans	11 (Egerton, JKUAT, KU, MMUST, Pwani, UoN)
Japanese	4 (Waseda, Mie and Toyama Universities)

## 7. CONFERENCES/SEMINARS/WORKSHOPS/COURSES

### 7.1. Presentation of Papers at Academic and Professional Conferences

- Chagala-Odera, E., **Mukolwe, M.**, Wanjiku, J., Tuwei, P., Njenga, E., and Honjo, Y. (2019). Activities, Progress and Plans for CADEP-SFM Component 5. Paper presented during 2<sup>nd</sup> CADEP Interaction Workshop held from 22<sup>nd</sup> – 24<sup>th</sup> July 2019.
- **Mukolwe, M.**, Chagala-Odera, E., Tuwei, P., Wanjiku, J., Njoki, B. & Kamau, V. (2019). Digitising and Sharing Forestry Research Information and Innovations for Combating Desertification and Strengthening Resilience to Climate Change in Kenya. Concept Note presented during the 3<sup>rd</sup> Regional Forum of AI-CD in Horn of Africa on Resource Mobilisation. 14<sup>th</sup> – 16<sup>th</sup> May 2019, Nairobi, Kenya.
- Chagala-Odera, E., **Mukolwe, M.**, Wanjiku, J. and Honjo, Y. (2019). Achievements and Future Plans for CADEP-SFM Component. Paper presented during the 7<sup>th</sup> CADEP-SFM PMU Meeting on 30<sup>th</sup> January 2019, Nairobi.
- **Mukolwe, M.** (2018). Development of Work Plan for Good Practice: An Overview. Presented at the Regional Technical Training Workshop on Collection, Documentation and Sharing of Good Practices in the Horn of Africa, Muguga, Kenya October 2018.
- M. Karanja, E. Chagal-Odera, J. Wanjiku, **M. Mukolwe** and Y. Honjo. (2018) African Initiative for Combating Desertification (AI-CD) and CADEP-SFM Project. Paper Presented during National Strategic Planning and Training of Trainers Workshop on AI-CD in South Sudan, Juba, 24<sup>th</sup> July 2018.
- **Mukolwe, M.** & Karanja, M. (2018). KEFRI's Potential Contribution to Exchange Knowledge and Share Best Practices on Charcoal Production, Trade, and Use. Discussion Paper presented at the "International Conference on Charcoal: Building Alliances to Curb Unsustainable Charcoal Trade, Production and Use in Somalia": 7<sup>th</sup> - 8<sup>th</sup> May 2018.
- **Mukolwe, M.** (2018). Perspectives on Challenges and Opportunities for Sustainable Natural Resources Management. Paper presented at the 4<sup>th</sup> Regional Training Course on Adaptation to Climate Change in Africa through Social Forestry at KEFRI, Kenya. 15<sup>th</sup> January to 16<sup>th</sup> February 2018. KEFRI Headquarters Muguga, Kenya. KEFRI/JICA March 2018.
- Wanjiku, J., **Mukolwe M.**, Karanja M., & Chagala-Odera, E. (2018). Assessing Application of Knowledge and Skills Acquired from a Participatory Natural Resources Management Training 5<sup>th</sup> Kenya Forestry Research Institute (KEFRI) Scientific Conference from 17<sup>th</sup> - 19<sup>th</sup> April 2018 in KEFRI Headquarters Muguga, Kenya.
- **Mukolwe M.** (2017). Development of Work Plans for Good Practice: An Overview. Paper presented during KEFRI Dissemination Officers Training Workshop on Collection, Documentation and Sharing of Good Practices at KEFRI DERP-Kitui, Kenya from 10<sup>th</sup> to 14<sup>th</sup> July 2017.
- **Mukolwe M.** (2017). Development of Work Plans for Good Practice: An Overview. In: Proceedings of the 1<sup>st</sup> Regional Technical Training Workshop for Horn of Africa on Collection, Documentation and Sharing of Good Practices, KEFRI Headquarters Muguga, Kenya, MENR/JICA/KEFRI 2018.
- **Mukolwe, M.O.**; Karanja, M. & Wanjiku, J. (2017). Adapting to Climate Change: Experiences of Drylands Communities of Kenya. Presentation to the Somaliland Climate Change Forum in Hargeisa, Somaliland. Organised by UNDP 3<sup>rd</sup> to 5<sup>th</sup> March 2017.
- Chagala-Odera, E., Wanjiku, J., Karanja, M., Honjo, Y., & **Mukolwe, M.** (2017). Terms of Reference: African Initiative for Combating Desertification to Strengthen Resilience to Climate Change in the Sahel and Horn of Africa. Paper presented during 1<sup>st</sup> Regional Forum for Horn of Africa 1<sup>st</sup> -3<sup>rd</sup> February 2017, KEFRI HQs, Muguga, Kenya.
- Wanjiku, J., Chagala-Odera, E., **Mukolwe, M.** and Honjo, Y. (2017). A Tool for Collecting Good Practices for Combating Desertification in Horn of Africa. Paper presented during 1st Regional Forum for Horn of Africa. 1<sup>st</sup> -3<sup>rd</sup> February 2017. KEFRI Headquarters, Muguga, Kenya.

- **Mukolwe, M.** (2016). Perspective on Challenges and Opportunities for Sustainable Natural Resources Management. Paper presented during the 3<sup>rd</sup> Regional Training Course on Adaptation to Climate Change in Africa through Social Forestry held from 17<sup>th</sup> October to 18<sup>th</sup> November 2016. KEFRI, Muguga.
- Wanjiku, J., Chagala-Odera, E., **Mukolwe, M.**, & Karanja, M. (2016). Building Capacity in Participatory Natural Resource Management for Sustainable Environmental Conservation. 2<sup>nd</sup> Dekut International Conference on Science, Technology, Innovation, and Entrepreneurship, 2<sup>nd</sup> - 4<sup>th</sup> November 2016, Dedan Kimathi University of Technology. Nyeri, Kenya.
- **Mukolwe, M.O.** (2016). Challenges and Opportunities for Sustainable Management of Natural Resources: An Overview. Paper presented during the 1<sup>st</sup> and 2<sup>nd</sup> Policies and Practices for Climate Change Adaptation Course (PP4CCAC), held from 25<sup>th</sup> January to 14<sup>th</sup> February 2016 and from 21<sup>st</sup> September to 11<sup>th</sup> October 2015. KEFRI, Muguga.
- **Mukolwe, M.O.** (2015). Challenges and Opportunities for Sustainable Management of natural resources: An Overview. Paper presented during the 15<sup>th</sup> Participatory Natural Resources Management Course (PNRMC), held from 21<sup>st</sup> September to 11<sup>th</sup> October 2015. KEFRI, Muguga.
- **Mukolwe, M.O.** (2014). An Overview of Challenges and opportunities for sustainable co-existence in natural resource management: Paper presented during the 12<sup>th</sup> and 13<sup>th</sup> Participatory Natural Resources Management Course (PNRMC), held from 26<sup>th</sup> January to 7<sup>th</sup> February and 10<sup>th</sup> – 24<sup>th</sup> May 2014, respectively. KEFRI, Muguga.
- Chikamai, B.E.N., **Mukolwe, M.**, Wanjiku, J., & Ongugo, P. (2013). Importance of Continuing Professional Development for Forestry Professionals. Paper presented during an FSK Workshop on Strengthening Information Sharing for Continuous Professional Development for Forestry Professionals held at the Kenya School of Monetary Studies, Nairobi. 7<sup>th</sup> June 2013.
- **Mukolwe, M.O.** (2013). Useful Plants. Paper presented during Useful Plants Programme (UPP) – Seed for Life Programme (SLP) Training Programme for Mbeere from 3<sup>rd</sup> - 15<sup>th</sup> November 2013 and Tharaka South participants from 22<sup>nd</sup> November – 3<sup>rd</sup> December 2013.
- Chikamai, B.E.N., Muturi, G., **Mukolwe, M.**, & Machua, J. (2013). Enhancing Sustainable Management of Forests through the Development and Dissemination of Social Forestry in Eastern and Southern Africa. Presentation at ITTO-JICA Side Event in Tokyo, Japan. 1<sup>st</sup> - 3<sup>rd</sup> June 2013.
- Wanjiku, J., **Mukolwe, M.**, Mwamburi, A., and Anapapa, A. (2013). Technology Needs Assessment (TNA) Survey Results. Paper presented during TNA Seminar held at KEFRI Headquarters, Muguga. 18<sup>th</sup> June 2013.
- **Mukolwe, M.O.** (2013). Species Selection and Identification. Paper presented during the 2<sup>nd</sup> Tree Nursery Management Course (TNMC). 20<sup>th</sup> January – 1<sup>st</sup> February 2013. KEFRI, Muguga.
- **Mukolwe, M.O.**, & Ochieng, D. (2013). Appropriate Tree Nursery Practices. Paper presented during the 2<sup>nd</sup> Tree Nursery Management Course (TNMC). 20<sup>th</sup> January – 1<sup>st</sup> February 2013. KEFRI, Muguga.
- **Mukolwe, M. O.** (2013). Overview of Opportunities and Challenges for Sustainable Natural Resources Management. Paper presented during the 10<sup>th</sup> and 11<sup>th</sup> Participatory Natural Resources Management Course (PNRMC) held in August 2012 and February 2013, respectively at KEFRI, Muguga.
- **Mukolwe, M. O.**, & Ochieng, D. (2013). Tree Nursery as a Business/Enterprise. Paper presented during the 3<sup>rd</sup> Tree Nursery Management Course (TNMC) 22<sup>nd</sup> - 27<sup>th</sup> September 2013. KEFRI, Muguga.
- **Mukolwe, M. O.**, & Ochieng, D. (2013). Tree Nursery Establishment. Paper presented during the 3<sup>rd</sup> Tree Nursery Management Course (TNMC) 22<sup>nd</sup> – 27<sup>th</sup> September 2013. KEFRI, Muguga.

- **Mukolwe, M.O.,** Wanjiku, J. & Ochieng, D. (2012). Tree Nursery Establishment. Paper presented during the KWS Tree Nursery Management Course (TNMC). 1<sup>st</sup> -5<sup>th</sup> October 2012 at KEFRI, Muguga.
- **Mukolwe, M.O.,** Wanjiku, J. & Ochieng, D. (2012). Managing a Tree Nursery. Paper presented during the KWS Tree Nursery Management Course (TNMC). 1<sup>st</sup> -5<sup>th</sup> October 2012 at KEFRI, Muguga.
- **Mukolwe, M.O.,** Wanjiku, J. & Ochieng, D. (2011). Training Needs Assessment for Conservation of Natural Resources: Building Capacity of KEFRI's Partners. Paper Presented during the Evaluation Survey Seminar for the Forest Resources Officers Course (FROC) held on 23<sup>rd</sup> June 2011, KEFRI Muguga.
- **Mukolwe, M.O.** (2010). An Overview of Opportunities and Challenges for Sustainable Co-existence in Natural Resource Management. Paper Presented during the 1<sup>st</sup> and 3<sup>rd</sup> Participatory Natural Resources Management Course (PNRMC). KEFRI, Muguga.
- **Mukolwe, M.O.,** & Kiptot, E. (2000). Kenya Forestry Research Institute: Training Resources. In: DSO/ICRAF Project Strengthening Training and Education in Agroforestry Regional Planning Workshop for Eastern and Central Africa held at the Wondo Genet College of Forestry, Ethiopia. 8<sup>th</sup> - 11<sup>th</sup> May 2000. Workshop Report.
- **Mukolwe, M.O.** (2000). Tree Propagation Methods. In: F. Mugo, D. Nyantika and M. Nyasini (eds.) Agroforestry Seminar Proceedings. Improved Land Management in the Lake Victoria Basin: Linking Land and Lake, Research and Extension, Catchment and Lake Basin. MoARD/SIDA/ICRAF. 14<sup>th</sup> -20<sup>th</sup> May 2000.
- **Mukolwe, M.** 2009. Experience from the Social Forestry Study Tours. Paper presented at the Waseda University, Mei University and Toyama University, Japan.
- **Mukolwe, M.O.,** & Kemmochi, K. (1997). Development of Training Materials. In: The Proceedings of KEFRI/JICA Conference on Social Forestry and Tree Planting Technology in Semi-arid Lands held at KEFRI, Muguga. 29<sup>th</sup> September – 2<sup>nd</sup> October 1997.
- **Mukolwe, M.O.,** & Sato, M. (1997). Experiences in the Regional Social Forestry Training Courses. In: Proceedings of KEFRI/JICA Conference on Social Forestry and Tree Planting Technology in Semi-arid Lands held at KEFRI, Muguga. 29<sup>th</sup> September – 2<sup>nd</sup> October 1997.
- **Mukolwe, M.O.** (1996). Social Forestry Nurseries, Establishment and Management Techniques. Paper presented at the Regional Training Course for the Promotion of Social Forestry in Africa, organised by the Kenya/Japan Social Forestry Training Project at KEFRI, Muguga, Kenya. 5<sup>th</sup> February – 8<sup>th</sup> March 1996.
- **Mukolwe, M.O.** (1996). Research – Extension-Farmer Linkages. Paper presented at the Regional Training Course for the Promotion of Social Forestry in Africa, organised by the Kenya/Japan Social Forestry Training Project at KEFRI, Muguga, Kenya. 5<sup>th</sup> February- 8<sup>th</sup> March 1996.

## 7.2. Participation in Workshops/Conferences

1. Validation Workshop on the Strategic Environmental Assessment (SEA) Study on the Master Plan for the Naivasha Special Economic Zone, organised by the Special Economic Zones Authority, Naivasha, Kenya. 26<sup>th</sup> March 2021.
2. Curriculum Development, Assessment and Certification Workshop organised by TVET CDAC-Council at the Kenya School of Monetary Studies.
3. 3<sup>rd</sup> Regional Forum for Horn of Africa on Resource Mobilisation held at KEFRI headquarters 14<sup>th</sup> – 16<sup>th</sup> May 2019, Nairobi, Kenya organised by AI-CD/JICA/KEFRI.
4. 5<sup>th</sup> KEFRI Scientific Conference 17<sup>th</sup> to 19<sup>th</sup> April 2018, organised by KEFRI
5. Resource person: Adapting to Climate Change: Experiences of Drylands Communities' of Kenya: Somaliland Climate Change Forum in Hargeisa, Somaliland, organised by UNDP 3<sup>rd</sup> to 5<sup>th</sup> March 2017.

6. Development of Drought Tolerant Trees for Adaptation to Climate Change in Drylands of Kenya, 16<sup>th</sup> June to 17<sup>th</sup> July 2016. Tokyo, Japan.
7. United Nations Global South-South Development Expo 2013: 28<sup>th</sup> October – 1<sup>st</sup> November 2013 at UNEP Hqs in Nairobi, Kenya.
8. Forest Society of Kenya Workshop on Strengthening Information Sharing for Continuous Professional Development for Forestry Professionals June 2013.
9. Seminar on Intellectual Property Rights organised by Kenya Institute of Intellectual Properties (KIIP) at KEFRI, March 2008
10. IUFRO Workshop on Working Effectively at the Interface of Forest Science and Forest Policy December 2007, organized by IUFRO at KEFRI HQs, Kenya.
11. Procurement and Disposal Act Seminar June 2007.
12. AFORNET Scientific Writing Workshop 29<sup>th</sup> October to 1<sup>st</sup> November 2006 organised by the African Academy of Sciences at KEFRI HQs., Muguga.
13. KEFRI Scientific Conference 6<sup>th</sup> - 9<sup>th</sup> October 2006, organised by KEFRI
14. KEFRI Scientific Conference 2004, organised by KEFRI
15. The Role of Innovation Systems in the Development of Agro-Industries. Organised by the African Technology and Policy Studies Network (ATPS) (20<sup>th</sup> May 2004).
16. Senior Management Seminar No. 119. Organised by Kenya Institute of Administration (KIA) (12<sup>th</sup> - 30<sup>th</sup> April 2004).
17. KEFRI Priority Setting Workshop. Organised by the Kenya Forestry Research Institute (KEFRI). (25<sup>th</sup> - 26<sup>th</sup> March 2004).
18. Workshop on Capacity Building in Interdisciplinary Team Approaches to Solve Complex Problems in Forest Research and Development. Organised by the International Centre for Development Oriented Research in Agriculture (ICRA), The Netherlands. (15<sup>th</sup> - 17<sup>th</sup> December 2003).
19. Performance Appraisal and Management Workshop organised by Kenya Institute of Business Training for Senior KEFRI Staff (18<sup>th</sup> -19<sup>th</sup> August 2003).
20. Assessment of Forest-related Research Capacity in East Africa organised by CIFOR, Association of Forestry Research Institutions in Eastern Africa (AFREA) and supported by FAO at KEFRI, Kenya (July 2001).
21. Dryland Farming Manual Production Workshop/Writeshop organised by the International Institute of Rural Reconstruction (IIRR) African Regional Office-Nairobi at Mbagathi, Kenya (29<sup>th</sup> January- 9<sup>th</sup> February 2001).
22. Regional Planning Workshop on Strengthening Education and Training, Eastern Africa Region organised by DSO/ICRAF at Wondo Genet Forestry College in Ethiopia (7-12 May 2000).
23. Science Writing, Oral Presentation and Editing Course organised by SCIDCOM International Ltd. held in Kenya (2<sup>nd</sup> -13<sup>th</sup> August 1999).
24. District Level Agroforestry Course organised by Kenya/Japan Social Forestry Training Project (June 1993).
25. Training of Trainers Course in Extension organised by FINNIDA/FTP of Finland at Zimbabwe College of Forestry in Mutare, Zimbabwe (Oct - Nov 1993).
26. Reforestation Techniques and Forest Management organised by JICA and Ministry of Agriculture, Fisheries and Forestry (MAFF) in Tokyo, Japan - (Aug - Nov 1986).

## 8. PROFESSIONAL ENGAGEMENT

### 8.1. Training

1. Organised and conducted a one-week **JICA supported** Training through Technical Study Tour on Peri urban Farming for South Sudan officials Ministry of Environment, Water and Tourism in February 2020 at about US\$ 9,433.

2. Developed and implemented **24** five-week Regional Training Courses on: Promotion of Social Forestry in Africa; Enhancing Adoption of Social Forestry in Africa; Mitigating Climate Change Forestry in Africa through Social Forestry and Adaptation to Climate Change Forestry in Africa through Social Forestry under the **JICA supported** Third Country Programme (TCTP) for 511 participants from 20 countries, from 1995-2019 at about US\$ 2,840,000.
3. Organised and conducted **18 Cross-border** (Kenya, Tanzania & Uganda) Social Forestry Study Tours for Japanese University Students and Professors from **12** different Universities in Japan (2002 to-2018) at about US\$ 450,000.
4. Developed the Ugenya Forestry College Concept as Climate Smart Farmers' Resource Centre, as an initiative of the Ugenya MP Hon. David Ochieng' and launched by the PS, MENR, Dr. Margaret Mwakima on 6<sup>th</sup> April 2017.
5. Organised and conducted a one-week Technical Study Tour for Puntland State, Somalia Ministry of Environment, Water and Tourism supported by UNDP in July 2017.
6. Developed and implemented two (2) UNDP supported Policies and Practices for Climate Change Adaptation Courses for the Republic of Somalia government officials, implemented in September 2015 and February 2016 at KEFRI, Kenya.
7. Technology Needs Assessment and Seminar for KEFRI Partners at KEFRI June 2013.
8. Tree Nursery Establishment and Management Course for Kenya Wildlife Service (KWS) Technical Staff in September/October 2012.
9. Studies on the Dynamics and Sustainable use of High value Tree species of the Coastal Pondoland forests of the Eastern Cape Province, South Africa.
10. Technical Assessment of the Impact of the Regional Training Programmes on the Promotion and Enhancing Adoption of Social Forestry in Africa: In Ethiopia, Lesotho, Namibia, Rwanda, South Africa, Tanzania, Uganda, Zambia and Zimbabwe as a follow-up and information generation process for incorporating the observed experiences into the **JICA supported** Regional Training Courses.
11. Mutual Technology Transfer and Information Dissemination to Tanzania on Social Forestry.
12. Retort Carbonisation Units: A Possible option for Some Charcoal Producers in Kenya. Feasibility Study Report Submitted to His Royal Highness Prince Bernhard of The Netherlands.
13. Assessment of Forest-related Research Capacity in Eastern Africa organised by AFREA, CIFOR and FAO.
14. Capacity Building in Interdisciplinary Team Approaches to Solve Complex Problems in Forest Research and Development. Organised by the International Centre for Development Oriented Research in Agriculture (ICRA), The Netherlands.
15. Community based On-farm Training and Follow-up activities for farmers in Limuru and Kikuyu Divisions of Kiambu District for Plan International, Kenya.
16. Special Course on Enhancing Adoption of Social Forestry for Project staff from Madagascar supported by JICA Madagascar.
17. Special Course on Enhancing Adoption of Social Forestry for Project staff from Ghana supported by Sanyu Consultants Inc., Tokyo Japan.
18. Eco-visual Resource Management Course for staff of the Kenya School of Monetary Studies/Central Bank of Kenya.
19. Special Course on Promotion of Social Forestry for Project staff from Middle Shire, Malawi for two years –supported by Sanyu Consultants Inc., Tokyo Japan.
20. Participatory Woodland Management Course for Kenya Electricity Generating Company (Kengen) Staff.
21. Contributed to the preparation of the Nairobi Arboretum Master Plan.
22. Technical Study on Agroforestry to Amhara National State Region in Ethiopia - supported by SIDA.



### **9.3.1 Collaboration with development partners in Grant Aid and Technical Cooperation Projects**

1. JICA supported Social Forestry Training Project (SFTP) in Muguga and Kitui– Preparatory, Grant Aid and Technical Cooperation (1986-1997) at about Ksh 145 million
2. JICA - Social Forestry Commemorative Tree Planting - Mombasa Road (railway bridge-JKIA junction)
3. JICA supported Social Forestry Extension Model Development Project (SOFEM) in Muguga and Kitui – Grant Aid and Technical Cooperation (1997-2002) at about Ksh 1.52 billion
4. JICA supported Intensified Social Forestry Extension Project (ISFP) – Technical Cooperation (2005-2009).
5. Development of Drought Tolerant Trees for Adaptation to Climate Change in Drylands of Kenya (2012-2017).
6. JICA supported Capacity Development Project for Sustainable Forest Management (CADEP-SFM) – Regional Cooperation Component - Technical Cooperation (2016-2021).

### **9.3.2 Collaboration with development partners in capacity building projects at regional level**

1. JICA supported Training through Technical Study Tour on Peri-urban Farming in Kenya (2020).
2. UNDP supported Training Policies and Practices for Adaptation to Climate Change (2016-2017).
3. UNDP supported Training through Technical Study Tour on Policies and Practices for Adaptation to Climate Change - July 2017.
4. JICA supported – Third Country Training Project (TCTP) on Regional Training Course on Adaptation to Climate Change in Africa through Social Forestry 2014 – 2018.
5. JICA supported – Third Country Training Project (TCTP) on Regional Training Course on Mitigating Climate Change in Africa through Social Forestry 2009 – 2013.
6. JICA supported – Third Country Training Project (TCTP) on Regional Training Course for Enhancing Adoption of Social Forestry in Africa 2005 -2008.
7. JICA supported – Third Country Training Project (TCTP) on Regional Training Course for Promotion of Social Forestry in Africa 1995 -2004.

## **9. LOCAL, REGIONAL & INTERNATIONAL APPOINTMENTS**

### **9.1. Local**

1. Ministry of Environment and Forestry Multi-Agency Team on Rehabilitation and Restoration of the Naivasha Special Economic Zone Landscape: 10<sup>th</sup> February 2021 to date
2. TVET Curriculum Development, Assessment and Certification Council (TVET CDACC) -Forestry Sector Skills Advisory Committee (SSAC): 9<sup>th</sup> April 2019 to date.
3. Urban Forestry and Beautification of Nairobi: April 2020 to date.
4. Ministerial Environmental Education and Awareness Committee (MEEAC) Ministry of Environment and Forestry: September 2017 to-date.

### **9.2. International**

Member Editorial Board of Journal of Forest Planning. Tokyo, Japan.

## 10. AWARDS AND RECOGNITION

- Contributed to KEFRI's Award winning for the Prestigious Global 13<sup>th</sup> JICA President Award in November 2017, through Third Country Training Programme (TCTP) Initiatives and Triangular Cooperation (TrC).
- Certificate of Excellence: Performance Contract 2014/2015. Kenya Forestry Research Institute (KEFRI).
- United Nations Award in Recognition of Special Contribution to South – South and Triangular Cooperation. Presented during the United Nations Global South-South Development Expo 2013: 28<sup>th</sup> October – 1<sup>st</sup> November 2013 at UNEP HQs in Nairobi, Kenya.

## 11. CONTRIBUTION TO KEFRI's ADVANCEMENT

- Conceptualised and established the KEFRI Graduate Research School (KGRS) in 2019-2020.
- Enhanced KEFRI staff by inclusion in Regional and National courses organised by SFTC.
- Enhanced KEFRI Scientific staff skills and competencies by providing opportunities as Resource persons in Regional and National courses organised by SFTC.
- Built capacity of partners through linkages, networks and training (FROC, EVRMC, TNMC, BPMC, PNRMC, TSSPC, PLS).
- Opportunities for International internships (Univ. students) Japan.
- Raised US\$ 2,640,000 from 24 RTC in 24 years.
- Raised US\$ 200,000 from RTC workshops/seminars
- Raised US\$ 9,433 from TST Peri-urban Farming in Kenya, South Sudan.
- Raised US\$ 131,858 PPCCAC Courses.
- Raised US\$ 9,426 from Puntland TST.
- Raised US\$ 450,000 from SF Cross-border Study Tours.
- Raised US\$ 7,200 from KWS Tree Nursery Management Course.
- Raised US\$ from KSMS Eco-visual Resources Management Course.
- Support to NaFORRI, Uganda introduction of *Melia volkensii* for trials.
- Support to Nairobi Japanese School – Propagation of Sakura and Video documentary for Japan TV.
- Landscaping KEFRI Headquarters, Muguga, Karura and Kakamega.

	Other Contributions	Approx. Amount US\$	Remarks (Ksh)
	<b>Vehicles</b>		
1	All fleet of vehicles plus equipment under Embassy of Japan Supplementary budget to GoK (KFS & KEFRI) of Ksh. 1 billion	US\$ 4,000,000	Ksh. 0.4 billion.
2	1 Mini-Bus (Toyota Rosa) in Maseno	US\$ 50,000	Ksh 5.0 million
3	1 Toyota L/C – Used @ Ksh.4.7 million	US\$ 47,000	Ksh.4.7 million
4	2 Mini-Buses (Toyota Hiace) @ Ksh. 3.8 million x 2 buses	US\$ 76,000	Ksh. 7.6 million
	<b>Office equipment</b>		
5	RTC 1 <sup>st</sup> E-mail server facilities – <a href="mailto:kefri@arcc.ke">kefri@arcc.ke</a>		
6	3. Laptops	US\$ 2,100	Ksh 210,000

7	2 HP LaserJet Colour Printers	US\$ 1,560	Ksh 156,000
8	1. Kyocera 5023 Photocopier –	US\$ 5,000	Ksh. 500,000
9	LCD Projectors– Ksh. 40,000/- x 2 pcs	US\$ 800	Ksh 80,000

## 12. MEMBERSHIP TO PROFESSIONAL BODIES

- Forestry Society of Kenya (FSK).
- Editorial Board of Journal of Forest Planning. Tokyo, Japan.
- JICA Ex-Participants Alumni of Kenya Alumni.

## 13. REFEREES

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