

# Sheila Shefo Mbiru

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**ORCHID:** 0000-0003-4507-9560

**POSITION:** Head, Knowledge Management

## PERSONAL INFORMATION

- 1.1. NAME: Sheila Shefo Mbiru
- 1.2. ADDRESS: P. O. Box 328, 00621, Nairobi, Kenya
- 1.3. PHONE: +254721527994
- 1.4. EMAIL ADDRESS: [s.mbiru@kefri.org](mailto:s.mbiru@kefri.org) OR sheilambiru@gmail.com
- 1.5. NATIONALITY: Kenyan
- 1.6. GENDER: Female

## 2. QUALIFICATIONS

### 2.1. Academic Qualifications

Moi University	1987	1990	Bsc. Wood Science and Technology
University of Melbourne	1993	1995	MSc. Wood Science
University of Helsinki	2013	2013	Diploma in Designing Sustainable Forest Landscape
University of Stellenbosch	2010	2013	B. Phil. Information and Knowledge Management

### 2.2. Key Competencies

Knowledge Management | Capacity Development | Climate Change Learning | Training |  
Science Writing and Editing

### 2.3. Other Courses

Date	Training title	Description
Jul 2020	Climate Reality Leader	The Climate Reality Project
Mar, 2019	Social and Emotional Learning	Salzburg Global Seminar, (Austria)
Jun, 2017	From Climate Science to Action	World Bank Group.
Mar, 2017	Training of Facilitators	Kenya School of Government.
Oct, 2014	Training in Forest Research Methods	IUFRO (USA)
Sep, 2014	Knowledge Management for Knowledge Workers	Information Africa (Kenya).
Jul, 2012	Communicating Forest Research	IUFRO (Kenya).
Feb, 2012	Development of Extension Materials	International Leadership & Management Training Institute

### 3. EMPLOYMENT HISTORY

**August 2020 – To Date:** Principal Research Scientist, Head, Knowledge Management, Kenya Forestry Research Institute (KEFRI), P.O Box 20412 - 00200 Nairobi, Kenya.

**July 2015- July 2020:** Project Officer, Knowledge Management and Capacity Building, The Low Emission and Climate Resilient Development (LECRD) Project, Ministry of Environment and Forestry

**Nov 2009 - July 2020:** Principal Research Scientist, Head, Knowledge Management Steering Committee, Kenya Forestry Research Institute (KEFRI), P.O Box 20412 - 00200 Nairobi, Kenya

**Jan 1990 – Oct 2009** Assistant Research Scientist, Head, Kenya Forestry Research Institute (KEFRI), P.O Box 20412 - 00200 Nairobi, Kenya

### 4. PUBLICATIONS

#### Book Chapter

**Mbiru S.S.** (2019) Capacity Development to Support Planning and Decision Making for Climate Change Response in Kenya. In: Leal Filho W., Lackner B., McGhie H. (eds) Addressing the Challenges in Communicating Climate Change Across Various Audiences. Climate Change Management. Springer, Cham. [https://doi.org/10.1007/978-3-319-98294-6\\_14](https://doi.org/10.1007/978-3-319-98294-6_14)

**Mbiru, S. S.** (2014). *Creating Awareness of the potential of Gums and Resins for Improved Livelihoods in the Arid and Semi-Arid Lands of Kenya*. In Communicating Forest Science, IUFRO Communications and Public Relations Working Party and IUFRO-SPDC, Vienna, Austria.

**Mbiru, S. S.** and Chikamai B. N (2010) Economic significance of dryland forest commodities: Gums and Resins in FAO. (2010). Guidelines on sustainable forest management in drylands of sub-Saharan Africa. Arid Zone Forests and Forestry Working Paper No. 1. Rome.

## Technical Notes /Protocols/Guidelines

Chikamai B., Okoro. C., and **Mbiru S.** (2019). Dryland Forests of Sub- Saharan Africa: Vital in enhancing livelihoods of rural communities and economies of countries and mitigating effects of climate change. CFA Newsletter. No. 86. ISSN 1750 – 6417.

**Mbiru S. S.** (2017). *Mainstreaming Climate Change into Policy, Planning and Budgeting Processes. JotoAfrika: Implementing Kenya’s Nationally Determined Contribution*, November 2017, Issue 22.

**Mbiru, S. S.**, Oeba, V., Chagala-Odera, E., Mutua G., Tuwei P., Ochieng D., and Ochung F. (2013). Knowledge Management Strategy for KEFRI

**Mbiru, S. S.**, Oeba, V., Chagala-Odera, E., Mutua G., Tuwei P., Ochieng D., and Ochung F. (2013). KEFRI Knowledge Audit Report: Towards development of a Knowledge Management Strategy for KEFRI

## Policy Briefs

Ng’ethe, R .K and **Mbiru Sheila** (2014). Using Gums and Resins for Enhancing Environmental Conservation and Livelihood Improvement in the ASALs. A Policy brief for Gums and Resins Association (GARA)

## Case Studies

**Mbiru S. S.**, Ngesa R., and Mumo P. (2018). *Victor's Farm: An oasis of plenty in a dry land, Malomani Village, Kilifi County* . In Case Studies on Climate Change Response Actions in Selected Devolved Units . Government of Kenya (2018).

Mumo P., Ngesa R., and **Mbiru S. S.** (2018). *Greening Kilifi County: The Magical Woodlots, Kilifi County*. In Case Studies on Climate Change Response Actions in Selected Devolved Units. Government of Kenya (2018).

Ngesa R., Mumo P. and **Mbiru S. S.** (2018). *Tapping Clean Energy Sources: Solar Water Driven Borehole Pump Mwawesa, Kilifi County*. In Case Studies on Climate Change Response Actions in Selected Devolved Units. Government of Kenya (2018).

Ngesa R., **Mbiru S. S.** and Mumo P. (2018). *Waste Becomes an Energy Mine: A Case Of Biogas Project at Kombeni Girls Secondary School, Kilifi County*. In Case Studies on Climate Change Response Actions in Selected Devolved Units. Government of Kenya (2018).

Mumo P., **Mbiru S. S.** and Ngesa R. (2018). *Towards Food Sufficiency. Exploring Irrigation Potential: The Case of Maji-Moto, Narok County*. In Case Studies on Climate Change Response Actions in Selected Devolved Units. Government of Kenya (2018).

## **5. CONFERENCES/SEMINARS/WORKSHOPS**

### **5.1. Presentation of Papers at Academic and Professional Conferences**

**Mbiru, S. S.** (2019). Inspiring climate action through role play and interactive computer simulation: World Climate Simulation experiences in Kenya. Presented at the 25th IUFRO World Congress, 29 sept - 5 October 2019, Curitiba, PR, Brazil

**Mbiru, S. S.** (2014). Managing Knowledge in a Research Organization: The Case of Kenya Forestry Research Institute. Presented at 24th IUFRO World Congress held on 29 September-11 October, 2014 in Snowbird and Salt Lake City, Utah.

### **5.2. Convening/Coordinating Conferences**

Coordinated and participated in Regional Workshop in December 2020 on: *Scaling up Resilience in Africa's Great Green Wall (SURRGWA): Sustainable and Resilient Value Chains for Gum Arabic and other NTFPs*. FAO/NGARA/AFF Collaborative Partnership Studies on NTFPs.

## **6. PROFESSIONAL ENGAGEMENT**

### **6.1. Training**

Facilitated the development of the first ever *Climate Change Training Program* at the Kenya School of Government, including development of the curriculum, training materials, training of trainers and roll out of the inaugural training program.

### **6.2. Consultancies**

**Climate Change Learning Consultant**, FAO / UNCC Learn - Developed the Background Report on "National Climate Change Priorities and Relevant Capacity Development Goals and Initiatives in Kenya". This is a critical first step towards developing Kenya's "National Climate Change Learning Strategy.

**Knowledge Management Consultant**, African Forest Forum (AFF) - Development of the African Forest Forum (AFF) Knowledge Management Strategy .

**Knowledge Management Expert** - The Network for Natural Gums and Resins (NGARA)

### **6.3. Collaboration with external organizations**

- The Network for Natural Gums and Resins (NGARA)
- FAO
- IUFRO
- UNDP
- USAID
- Kenya School of Government
- UNCC: LEARN

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

### **7.1. Local**

- Chairperson for African Institute of Deaf Studies and Research (AIDSR)
- Board Member of Foundation of Arid and Semi Arids Lands (FASAL)

### **7.2. Regional**

- Board Treasurer for The Network for Natural Gums and Resins in Africa (NGARA)

### **7.3. International**

- Appointed World Climate Ambassador by Climate Interactive, USA to build climate change awareness (Nov 2017 to date)
- Appointed IUFRO Deputy Coordinator – Communication and Public Relations Working Party (2014 – to date)

## **8. AWARDS AND RECOGNITION**

- Received commendation letter from Kenya School of Government in the role played to facilitate the development of the first ever Climate Change Training Program including development of the curriculum, training materials, training of trainers and roll out of the inaugural training program.
- Best Paper Award at the 2<sup>nd</sup> World Symposium on Climate Change Communication, 7-9<sup>th</sup> February 2018, University of Graz, Austria. Citation for the award included; The climate change training program was replicable and scalable and empowered national and county climate change government officers to respond appropriately to climate change
- Appointed *World Climate Ambassador* by Climate Interactive, USA to build climate change awareness (Nov 2017 to date)
- Appointed IUFRO Deputy Coordinator – Communication and Public Relations Working Party (2014 – to date)

## **9. CONTRIBUTION TO KEFRI'S ADVANCEMENT**

As a knowledge management expert, I developed a strong case for institutionalizing Knowledge Management at KEFRI and was appointed the Team Leader of a 8-member Knowledge Management Steering Committee (KMSC) for KEFRI.

I led the KMSC that developed a road map for Knowledge Management (KM) development in KEFRI and sensitized key staff members include Top Management on the importance of KM for KEFRI. Visited other institutions implementing Knowledge Management to benchmark and learn from their best practice. I led the KMSC in developing KM Training materials and facilitated training of the KM Steering Committee and over 700 KEFRI Staff members. Lead the team to developed tools to undertake a Knowledge Audit to review KEFRIs existing knowledge assets, knowledge flows, gaps and challenges and identify KEFRIs KM needs and development of KEFRI Knowledge Management Strategy.

Knowledge management is now institutionalized in KEFRI and has a strong KM Section that manages and maximizes value from KEFRI's intellectual and knowledge-based assets. KM is now cascaded to all levels of the organization and implemented by both scientific and non – scientific programs and departments.

#### **10. MEMBERSHIP TO PROFESSIONAL BODIES**

- International Union for Forest Research Organization (IUFRO) **Deputy Coordinator - Communication and Public Relations Working Party.**
- The Network for Natural Gums and Resins in Africa (NGARA) – **Treasurer**
- Knowledge Management for Development (KM4D) - **Member**
- African Institute of Deaf Studies and Research (AIDSR) – **Chairperson**
- African Forest Forum – **Member**
- Kenya Forest Working Group – **Member**

#### **11. REFEREES**

**Dr. Ben Chikamai.**

Executive Secretary,  
Network for Natural Gums and Resins (NGARA)  
Tel: +254 722 756 483  
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**Mr. Mike Eldon**

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