



Position: Principal Scientist (Forest Ecologist, Bamboo expert)

1. PERSONAL INFORMATION

- 1.1. NAME: Gordon Sigu Onduru
- 1.2. ADDRESS: P.O.BOX 20412, Nairobi, 00200
- 1.3. PHONE: +254 722842094
- 1.4. EMAIL ADDRESS: gonduru_s@yahoo.com, gsigu@kefri.org
- 1.5. NATIONALITY: Kenyan
- 1.6. GENDER: Male

2. QUALIFICATIONS

2.1. Academic Qualifications

Dates attended		Name and location of Institution of learning	Academic degrees and Certificates or diplomas obtained	Main field of study
From	To			
1979	1982	Kapsabet Boys' High School	Certificate of Secondary Education	General
1983	1984	Chogoria Boys High School	Kenya Advanced Certificate of Education	Chemistry, Biology, Physics
1986	1989	Moi University	Bsc.(Hons)	Forestry
1995	1995	Saxony Forestry Research Institute (Germany)	Certificate	Forest Survey
1991	1991	Indian Plywood Research Institute (Bangalore)	Certificate	Forest Research Management
1997	1998	International Institute of Aerospace Survey and Earth Science (ITC-Netherlands)	MSc.	GIS Application in Forest Survey

2.2 Key Competencies

Fund raising

Project Management

Monitoring and Evaluation

2.3 Other Courses

2000	2000	University of the Philippines Los Banos	Certificate	Bamboo management and Tissue Culture
2001	2001	Indiana University (Bloomington-USA)	Certificate	Forest management
2003	2003	Indiana University (Bloomington-USA)	Write Up Fellowship Award	Forest resource and Institutions management
2018	2018	Tokyo Japan (JICA)	Certificate	Sustainable Forest Management

3. EMPLOYMENT HISTORY

July 2020 to date Principal Scientist, Forest Ecology (Bamboo), Kenya Forestry Research Institute, Lake Victoria Basin Ecoregion Research Programme.

October 2014 to June 2020, Programme officer in Charge of National Forest Programme, Project Manager Component 1 Capacity Development for Sustainable Forest Management (CADEP-SFM), Ministry of Environment and Forestry

From: 1989 to October 2014

Employer (Name and Address) and type of business:

KENYA FORESTRY RESEARCH INSTITUTE

P.O.BOX 20412-00200

NAIROBI, KENYA

Business: Forestry Research and Development

Title of post: PRINCIPAL RESEARCH SCIENTIST

Nature of duties:

- (i) Coordinate a team of scientists with interest in Bamboo research and guide them in proposal development, implementation of research activities and evaluation.
- (ii) Administration and coordination of project tile “ Market based development with

- (iii) bamboo in Eastern Africa; Employment, income generation and poverty alleviation”
Formulation of research proposals focusing on natural forest management and environmental assessment of disturbance to natural forests by human activities
- (iv) Assist in identifying natural resource potential and constraints in the context of development planning and implementation process and determination of information requirements
- (v) Monitoring and Evaluation

Number and kind of employees supervised:

Assistant Research Officers (4), University Students (3), Technicians (6)

Employer (Name and Address) and type of business:

KENYA FORESTRY RESEARCH INSTITUTE

P.O.BOX 20412-00200

NAIROBI, KENYA

Business: Forestry Research and Development

Title of post: SENIOR RESEARCH SCIENTIST

Nature of duties:

- (vi) Coordinate a team of scientists with interest in Bamboo research and guide them in proposal development, implementation of research activities and evaluation.
- (vii) Administration and coordination of project tile “ Market based development with bamboo in Eastern Africa; Employment, income generation and poverty alleviation”
- (viii) Formulation of research proposals focusing on natural forest management and environmental assessment of disturbance to natural forests by human activities
- (ix) Assist in identifying natural resource potential and constraints in the context of development planning and implementation process and determination of information requirements
- (x) Monitoring and Evaluation

Number and kind of employees supervised:

Assistant Research Officers (4), University Students (3), Technicians (6)

Employer (Name and Address) and type of business:

KENYA FORESTRY RESEARCH INSTITUTE

P.O.BOX 20412-00200

NAIROBI, KENYA

Business: Forestry Research and Development

Title of post: RESEARCH OFFICER

Nature of duties:

- (i) Guiding the assistant research officers within the division on proposal formulation on research and development
- (ii) Formulation of research proposals in areas related to non-timber resources (bamboo and rattan)
- (iii) Design and implement research and development in forest survey
- (iv) Dissemination of research results through publications

Number and kind of employees supervised:

Assistant research officers (2), University students (2), Technicians (3)

Employer (Name and Address) and type of business:

KENYA FORESTRY RESEARCH INSTITUTE

P.O.BOX 20412-00200

NAIROBI, KENYA

Business: Forestry Research and Development

Title of post: ASSISTANT RESEARCH OFFICER

Nature of duties:

- (i) Establishment of field trials of bamboo
- (ii) Data collection and analysis from bamboo trials
- (iii) Assisting the research officers in project proposal writing, project implementation, monitoring and evaluation

Number and kind of employees supervised:

Technicians (4), Support Staff(10)

4. ADMINISTRATIVE RESPONSIBILITY

2020 August to June 2021 Ag. Deputy Regional Director, LVBERP

2016 June to 2020 June, Component 1 Manager, Capacity Development for Sustainable Forest Management (CADEP-SFM_JICA)

2012 January to 2013 January, National Project Coordinator, Crafting Bamboo for Sustainable future (BaMCRAFT)

2006 to 2009, National Project Coordinator Eastern Africa Bamboo Project

5. PUBLICATIONS

Awimbo J.A; **Sigu G.O.**; Gachathi N; Kigomo B.N. (1989) the state of vegetation conservation and afforestation efforts on Hilltops of the dry areas of Kenya. KEFRI, Ecol, series; report No.3

Kigomo B.N Were.N; **Sigu G.O.**; (1995) the establishment, development and growth of *Dendrocalamus hamiltonii* Nees & Arn Under field conditions in Kenya. E. Afr. Agric. For J. 60(3), 95-105

OBUNGA R; **Sigu G.O.**(1996). Sustainable development of woodcarving industry in Kenya. Draft technical progress report (phase 2). Unpublished report for the WWF/UNESCO/Kew people and plants Initiative, National Museums of Kenya

Proceedings of the joint KEFRI-FD Conference on the state of Forestry Research and Management in KENYA

KIGOMO KN; and **Sigu G.O** (1996); establishment and growth of field trials of exotic and indigenous bamboo species in Kenya. East Africa agric. For J. (1996(3)

Ongugo P.O;**Sigu G.O.**; Kariuki J.G; Luvanda A.M; Kigomo B.n92000. production to consumption system; a case of the bamboo sector in Kenya. KEFRI/INBAR Report.

Sigu G.O.; Ongugo P.o; Njuguna J.w. (2000) the current Status of the Vanga Mangrove Forest; policy implications for future conservation indicatives. Proceedings of the second IFRI regional workshop on 'operationalization of participatory natural forest management in Kenya' KEFRI 2002

SIGU G.O; Omenda T.O; Ongugo P.O and A. Opiyo. (2002) Forest degradation intensity; exemplification of spatial variance in rule enforcement as verified by cut stumps, forest structure and latent generation. Case study of ramogi hills forest

Langat D., P. Ongugu, J. Njuguna, **G. Sigu, T.Omenda and A. Opiyo.** The got ramogi sacred forest; opportunities and challenges in sustainable utilization and conservation of sacred forest. IFRI report 2001.

Ongugu P.O; J.Njuguna; **G. Sigu;** D. Langat; T.Omenda; P. Bwire & A.opiyo. The status of upper imenti forest (Nkunga and Nchoroiboro forest blocks). Interactions between the forest and adjacent communities.

6. RESEARCH

6.1. Completed

Establishment of Permanent Sample plots under the International Forest Resources and Institutions Project (IFRI).

Establishment of Bamboo species trials

Wood carving_ Carving the wooden Elephant

6.2. Ongoing research

Bamboo species site matching

Rehabilitation of riparian degraded areas with bamboo

Hilltop Rehabilitation

6.3. Mentorship and supervision

Grace Ogechi Kemunto_2014-2020 National Forest Programme and CADEP-SFM

7. EXTERNAL AND INTERNAL RESEARCH GRANTS

BaMCRAFT Funded by the Embassy of Japan (USD 1 Million)

Eastern Africa Bamboo Project (USD 2.4 Million)

Wood Carving (USD 500,000)

8. LOCAL, REGIONAL & INTERNATIONAL APPOINTMENTS

International

INBAR Focal Point Person for Kenya

9. AWARDS AND RECOGNITION

10. CONTRIBUTION TO KEFRIs ADVANCEMENT

Brought Bamboo Processing Machines installed in Karura and Londiani

Brought two Double Cabin Pick ups

Three Projects 2_Bamboo and 1_Wood Carving

11. MEMBERSHIP TO PROFESSIONAL BODIES

- AFFILIATE MEMBER OF INBAR,
- MEMBER OF ENTHNOECOLOGY
- MEMBER OF FSK

12. REFEREES

Full name	Full address	Telephone No.	Business or Occupation
Dr. Phaniel Oballa	P.O. Box 0412-00200 City square Nairobi, Kenya	Office: +254-722369412	Tree Breeder
Tom Okeyo Omenda	P.O. Box 0412-00200 City square Nairobi, Kenya	Office: +254-722997709	Environmental Consultant