

FRANCIS F LASWAI CV for management profile

Mr Francis Faustine Laswai working with Tanzania Forestry Research Institute since 2006 with specialisation in Forest biology and Wood science.

He has a BSc in forestry and MSc in Forestry of Sokoine University of Agriculture (SUA) Morogoro, Tanzania.

Mr F. Laswai worked at Moshi Timber Utilisation Research Centre as acting head of the centre for five years before joining the Management team at TAFORI head quarter Morogoro. He has an experience in Wood science

Currently Mr F. laswai is the Acting Director Forest Utilisation Research at TAFORI Morogoro.

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CURRICULUM VITAE (CV) FOR MR F. LASWAI (2014)

1. Personal particulars:

Surname: - Laswai
Other names: - Francis Faustine
Date of birth: - 4/10/1969
Sex: - Male
Nationality: - Tanzanian
Marital status: - Married

Present Designation: Research Officer II

Current post: Acting Director Forest Utilisation Research

2. Address: Tanzania Forestry Research Institute
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3. Academic Background:

Sokoine University of Agriculture-(MSc in Forestry):- 2008-2011
Sokoine University of Agriculture-(BSc in Forestry.(Hons):- 2000-2003
Consultancy Skills (NIP) - (Certificate) -2010
Tanzania Tree Seed Agency (TTSA)-(Certificate):- -2004
China Bamboo Research Centre (Certificate):- -2007
Mazengo Secondary School - (Advance level certificate):- 1989-1991
Kilimanjaro Boys Secondary School (Ordinary level certificate):- 1985-1988

4. Languages Written and Spoken: Swahili, English & Chagga

5. Work experience and Responsibilities:

- Acting Director Forest Utilisation Research at TAFORI Morogoro Head office 2012 to date
- Acting Head of Centre Moshi Timber Utilisation Research Centre (TAFORI) 2006 to 2008 and 2011
- Formulate research proposals in forestry, conduct different research activities on forest production, management, utilisation & operation
- Conducting research on carbon storage potential of Grasslands Ecosystems in Udzungwa Mountains in the Eastern Arc Mountains (2010)
- Involved in research on vegetation recovery after the flowering and death of bamboo in Uzungwa Scarp Forest Reserve in Iringa (2010 to 2013)
- Involved in inventory and socio economic data collection and analysis on the use and conservation of indigenous fruits found in Tabora and Iringa Region (2006/2007).
- Involved in writing the Synthesis of past research of Moshi Timber Utilisation Research Centre (2006/2007).
- Involved in data collection and analysis of bamboo as invasive species at Uzungwa Scarp Forest Reserve Iringa (2007/2008).
- Involved in the collection of socio economic data on the use of water in Pangani river basin to ascertain the existing institution frame work (2008)
- Involved in collection of socio economic data and analysis on the availability and use of indigenous fruits in Urambo, Sikonge and Uyui in Tabora region (2007)
- Involved in data collection and analysis of *Cedrela odorata* as invasive species at Kimboza Forest Reserve Morogoro (2008)
- Involved in preparation of wood samples, conduct tests, and analysis of data from three lesser marketed trees (*Acrocarpus flaxinifolius*, *Vitex keniensis* and *Albizia schimperiana*) to assess their utilisation properties (2007-2010)
- Involved in preparation of wood samples, conduct tests, and analysis of data from different trees spp from Buhindi TAFORI trial plots for assessing their utilisation properties (2007- 2011)
- Involved in setting Permanent Sample Plot (PSP) for carbon measurement and monitoring and collecting data from PSP in Chome Nature Reserve (2010)

- Involved in assessment of the stocking and impact of root biomass harvesting for *Carissa spinarum* Linn. (Syn: *C. edulis*), a miracle medicinal herb in Samunge Village, Ngorongoro District, Northern Tanzania. (2011)
- Involved in implementing the project on “Capacity building on wood energy woodlots establishment, management and use of efficient charcoal production and utilization technologies in Morogoro rural, Bagamoyo, Mkuranga and Handeni Districts” (2011 to 2014).
- Involved in preparation of wood samples, conduct tests, and analysis of data from *Pinus patula* of age 5 to 25 years old from Kilolo, Njombe, Kiwira and Kawetire. (2012 to 2014)
- Involved in preparation of wood samples, conduct tests, and analysis of data from *Tectona grandis* of age 18 to 42 years old from Longuza teak plantation. (2014)

6. Technical Reports

Laswai, F. (2003). Determination of relationship between anatomical properties and some strength properties in *Artocarpus heterophyllus* grown in Muheza Tanga. Special project report (SP) submitted to SUA Morogoro as the partial fulfilment for the first degree in the forestry of Sokoine University of Agriculture (SUA)

Laswai, F. (2003). Management plan report of the SUA Kitulaghalo forest reserve submitted to the Department of Forestry Mensuration, Faculty of forestry and Nature Conservation, SUA Morogoro Tanzania as part of course work assessment

Petro, R., Bakari, J.R., Mndolwa, M.A. and **Laswai, F. (2009).** Population structure and Phenological patterns of *Ficalhoa laurifolia* in Tanzania montane forests. Report submitted to AFORNET as part Ficalhoa project in Tanzania.

Mbwambo, L., Nshubemuki, L., Balama, C., Richard, J. and **Laswai, F. (2009).** The status, extent and management of invasive bamboo species in the Eastern Arc Mountains, a case of Udzungwa Scarp Forest Reserve, Kilolo District in Iringa. Final report submitted to the Eastern Arc Mountains Conservation Endowment Fund (EAMCEF)

Petro R. and **laswai F. (2009).** Germination Potential and Conservation strategies of *Ficalhoa laurifolia* in Tanzania montane forests. Report submitted to AFORNET as part of Ficalhoa project in Tanzania.

Mbwambo, L., Nshubemuki, L., Balama, C., Richard, J. and **Laswai, F. (2009).** The status, extent and management of *Cedrela odorata* as invasive species at Kimboza Forest Reserve Morogoro. Submitted to Morogoro Catchment Office

Petro, R., Balama, C., **laswai, F.**, Mbwambo, L., Chihongo, A., Mijai, M., Phabian, G. and Nyaradani, G., (2010). Production and consumption of fuel wood and tree species preferences in Kilimanjaro and Arusha Regions. (TAFORI 2010).

Mbwambo, L., Nshubemuki, L., Balama, C., Richard, J. and **Laswai, F. (2011)** Vegetation Recovery after the Massive death of Bamboo in the Eastern Arc Mountains, a case of

Udzungwa Scarp Forest Reserve, Kilolo District in Iringa. Final report submitted to the Eastern Arc Mountains Conservation Endowment Fund

Laswai, F., Mbwambo, L., Msalilwa, U., Faraji, N., Balama, C., Phabian G and Nyaradani G. (2013). Assessment of wood utilisation properties of *Pinus patula* at different age grown in Kiwira and Kawetire Forest Plantation, Mbeya. Technical report submitted to Tanzania Forest Service

Laswai, F., Mbwambo, L., Msalilwa, U., Faraji, N., Balama, C., Kagosi P., Petro R and Mwaringo R. (2014). Capacity building on wood energy woodlot establishment, management and use of efficient charcoal production and utilisation technologies in Morogoro and Bagamoyo Districts. Technical report submitted to Tanzania Forest Fund.

Laswai, F., Petro, R., Mpiri, A and Nyaradani G (2014). Assessment of wood utilisation properties of early harvested *Pinus patula* from farmers woodlot Kilolo and Njombe Districts. Technical report submitted to Tanzania Forest Fund.

7.0 Papers in review

Laswai, F., Munishi P.K.T and Zahabu, E. Comparison of carbon storage potential of upland and flood plain grasslands ecosystem of the Eastern Arc Mountains: A case study Udzungwa Mountains in Kilolo and Kilombero Districts, Tanzania

8.0 Publications

Bakari, J.R., Petro, R., **Laswai, F.,** Mushi E., Mijai, M. (2006) Timber Harvesting Wastage in North Kilimanjaro (Rongai), SUA Training, Meru/Usa and West Kilimanjaro Forest plantation, Tanzania. TAF Newsletter. Vol 4 No 1 pp13-22

R. Petro., Bakari J.R., **Laswai, F.** and Mndolwa (2010). Population structure and phonological patterns of *Ficalhoa laurifolia* in Tanzania Montane Forests. Accepted for publication August 2010, CNJ – 2009 – 848, *Pan African Journal Series*

Laswai, F (2011) Determination of carbon storage potential of grassland ecosystem. A case study in Udzungwa Mountains, Tanzania. MSc Thesis submitted to Sokoine University of Agriculture

Mbwambo, L., Balama, C., Richard, J., **Laswai, F.,** Nshubemuki, L., Kilenga, R. and Sabuni, F. (2012). Once thought to be invasive species: the bamboos of Udzungwa Scarp Forest Reserve, Tanzania. Published in TAF Journal

Laswai, F and Mbwambo, L. (2013).The overview of Directorate of Forest Utilisation Research. TAFORI Newsletter Volume 7 No. 1.pp

Laswai, F., Balama, C., Mbwambo, L., Bakengesa, S., Mndolwa, M. and Phabian G (2013). Assessing stocking and effect of root biomass harvesting for *Carissa spinarum* Linn. (Syn: *C. edulis*), in Samunge Village, Ngorongoro District, Northern Tanzania. TAFORI Newsletter Volume 7 No. 2. 16pp

Laswai, F., Mndolwa, M., Phabian, G. and Ruffo, C (2013). Woodland composition, structure and tree species diversity at Samunge Village – Loliondo, Tanzania. TAFORI Newsletter Volume 7 No. 2. 13pp

Laswai , F., Mbwambo, L., Petro, R and Nyaradani, G (2013) Basic density of 43years old *Acrocarpus fraxinifolius* grown in the southern slope of Mount Kilimanjaro, Tanzania. TAFORI Newsletter Volume 7 No. 1. 13pp.

Laswai , F., Mbwambo, L., Petro, R and Nyaradani, G (2013) Determination of basic density of *Vitex keniensis* grown in Mount Kilimanjaro slopes, Tanzania. TAFORI Newsletter Volume 7 No. 1. 10pp

Emmanuel Japhet and **Laswai F** (2013) Productivity of second and subsequent rotations: causes of decline and measures to maintain long term Forest site productivity in the Tropics. TAFORI Newsletter Volume 7 No. 1. 15pp