



ORCHID: 0000-0002-7212-0226

Position: Chief Executive Officer, Chief Research Officer, Economics and Marketing of Forest Products

1. PERSONAL INFORMATION

1.1. NAME	Joshua Kiplongi Cheboiwo
1.2. ADDRESS	P.O. Box 20412, Nairobi, Kenya
1.3. PHONE	+254-722464469
1.4. EMAIL ADDRESS	jkchemangare@yahoo.com
1.5. NATIONALITY	Kenyan
1.6. GENDER	Male

2. QUALIFICATIONS

2.1. Academic Qualifications

- 1999-2003- D.Phil Environmental Economics, Moi University, Kenya
- 1989-2001- MSc Forestry, Australian National University, Canberra, Australia
- 2001-2005- BSc Forestry, Moi University, Eldoret, Kenya

2.2. Key Competencies

- Forest Economics
- Environmental Economics,
- Markets, marketing and trade in forest products

2.3 Other Courses

- Strategic Leadership

3. EMPLOYMENT HISTORY

- 1985-1986-Research Officer-Forestry Department, Kenya Agricultural Research Institute
- 1986-2020-Kenya Forestry Research Institute

4. ADMINISTRATIVE RESPONSIBILITY

- **1985-1989**-Founder Socioeconomics and Policy Research Programme, Kenya Agricultural Research Institute (KALRO)
- **1991-1997**- Project Manager Kenya Japan Social Forestry Training Project, Kitui, Coordinator, Tiva dryland forestry technology development and species and provenance trials and Lower level training courses on nursery and forestry for eastern drylands in Kenya

- **1997-1999** Regional Director, Dryland Eco-Region Research Programme, Kitui. Coordinator, Research problem identification, planning, implementation, monitoring evaluation and co-ordination of dryland forestry research and development in the country.
- **2003-2014** Regional Director, Rift Valley Eco-Regional Research Programme. Coordinator, research problem identification, planning, implementation, monitoring, evaluation and co-ordination of montane natural forests, plantation and Dryland Research in Rift Valley.
- **2014-2018**-Deputy Director, Socioeconomic, Policy and Governance Research Theme, KEFR Headquarters
- **2018-2019** Acting Senior Deputy Director, KEFRI Headquarters
- **2019-2020**- Director, Chief Executive Officer, Kenya Forestry Research Institute, Coordinator: Research planning, implementation, monitoring and evaluation. Resource mobilization, disbursement and prioritization research projects in accordance to KEFRI Strategic Plan 2013-2018

5.0 PUBLICATIONS

5.1 Journal papers

- Cheboiwo, J.K.**, Mutta, D., Kiprop, J., Gattama, S. (2018). Public Private Partnerships Opportunities for Forestry Sector Development in Kenya: Synthesis of Primary and Secondary Production Actors, and Trade in Kenya. *Journal of Environment and Earth Science* ISSN 2224-3216 (Paper) ISSN 2225-0948 (Online), Vol.8, No.1, 2018
- Cheboiwo, J.K.**, Nasroun, H., Mwamakimbullah, R. Kambugu R.K., Mutaganda, A. (2018). Public Private Partnership (PPP) in Forest Sector in Eastern Africa. Synthesis of Primary and Secondary Production Actors, and Trade, *Journal of Economics and Sustainable Development*, ISSN 2222-1700 (Paper) ISSN 2222-2855, Vol.9, No.2, 2018
- Kagombe, J.K, **Cheboiwo, J.**, Gichu, A., Handa, C. and Wamboi, J. (2018). Payment for Environmental Services: Status and Opportunities in Kenya, *Journal of Resources Development and Management*, ISSN 2422-8397, Vol.40, 2018
- Kagombe, J.K., Kungu, J., Mugendi, D. **Cheboiwo, J.K.** (2018). Evaluating the Willingness to Pay for Watershed Protection in Ndaka-ini Dam, Muranga County, Kenya, *Journal of Civil and Environmental Research*, ISSN 2225-0514, Vol.10, No.1, 2018
- Cheboiwo, J.K.**, Mutiso, F. and Cherono, F. 2017. A Review of Farm Forestry Evolution for the Last 100 Years in Kenya: A look at some Key Phases and Driving Factors. *Journal of Natural Science Research* Vol. 6, No.16.
- Cheboiwo, J.K.**, Langat, D.K., Mutiso, F. and Cherono, F. 2017. Farm Forestry Development in Kenya. A Comparative Analysis of Household Economic Land Use Decisions in Uasin Gishu and Vihiga Counties, *Journal of Earth Science*, ISSN 2224-3216 (Paper) ISSN 2225-0948(online), Vol.6, No.8, 2016
- Cheboiwo, J.K.**, David Langat D.K., Kiprop, J. and Cherono, F. (2017). The Influence of Land Quality on Allocation of Land for Farm Forest in Kenya: The Case of Vihiga County. *Journal of Economics and Sustainable Development* (www.iiste.org), Vol.8, No.4, 2017
- Kagombe, J.M., Mbuvi, MTE and **Cheboiwo, J.K.** (2017). Role of Devolved Governance in Enhancing Incentives in Participatory Forest Management in Kenya. *Journal of Environment and Earth Science*, Vol.7, No.2.

- Cheboiwo, J.K.**, Kipsat, J., Langat, D.K., Cherono, F. (2017). Socioeconomic Factors Influencing Farm Forestry Investment Decisions in Kenya: The Case of UasinGishu and Vihiga Counties. *Journal of Resources Development and Management*, ISSN 2422-8397, Vol.29, 2017.
- Langat, D., **Cheboiwo, J.K.** and Muchiri, M.N. (2015). Financial analysis of growing *Eucalyptus grandis* for production of medium size power transmission poles and firewood in Kenya, *African Journal of Agriculture and Utilisation of Natural Resources for Sustainable Development* 1 (1): 38-45, ISSN 2313-1306
- Langat D., Maranga E.K., **Cheboiwo, J.K.** and Aboud A.A. 2015. Forest use and dependence by forest adjacent households on Mau Forest ecosystem, Kenya. *Journal of Agricultural Economics, Extension and Rural Development*: ISSN-2360-798X, Vol.3(10). pp 326-337
- Cheboiwo, J.K.**, Mbinga, J.K. And Mugabe, R. 2015. Potential Growth, Yields and Socioeconomic Benefits of Four Indigenous Species for Restoration in Moist Forests, Mau Kenya, *J. Environment and Earth Sciences*: Vol.5(6):72-84
- Langat D., Maranga E.K., **Cheboiwo, J.K.** and Aboud A.A. 2015. Role of forest resources to Local livelihoods: The case of East Mau Forest ecosystem, Kenya. *International Journal of Forestry Research*. Vol.2016. Article ID 4537354, 10 pages <http://dx.doi.org/10.1155/2016/4537354>
- Mutiso, F.M. **Cheboiwo, J.K.** James Legilisho Kiyiapi, J.L. and Sang F.K. 2015. Comparative Study of Sampling Methods for Efficient Diagnosis of Health Status of Selected Natural Forest Ecosystems in Kenya. *Journal of Natural Sciences Research*. Vol.5(2): 37-47
- Cheboiwo J.K.**, Mugabe R. and Langat D. 2014. Review of conservation of *Prunus africana* and international trade opportunities for its bark in Kenya. *Journal of Emerging Trends in Engineering and Applied Sciences (JETEAS)* 5(6): 372-377.
- Langat D. and **Cheboiwo J.K.** 2010. To conserve or not to conserve: A case study of forest valuation in Kenya. *Journal of Tropical Forest Science* 22 (1):5-12 (2010).
- Mutiso F.M., **Cheboiwo J.K.** Mugo J.M. Sang F, Tarus G.K. and Chemitei G.K. 2013. The Challenges of Wild Game on Forest Plantations Management Objectives in Forest Ecosystems in Kenya. *Research Journal in Engineering and Applied Sciences* 2(2)106-112
- Cheboiwo, J.K.** 1997. Economic and Non-Economic Determinants of Farm Forestry Development in Western Kenya: A case of Uasin Gishu and Vihiga Districts. D.Phil. Thesis. School of Environmental Studies, Moi University, Eldoret, Kenya
- Cheboiwo, J.K. 1991. Socio-Economic Issues in Rural Afforestation in Kenya. MSc Thesis, Australian National University, Canberra, Australia

4.1. Books

Cheboiwo, J.K. 2014. Determinants of Farm Forestry Development in Western Kenya. LAMBERT Academic Publishers. Access No 9783659517082

4.2. Book Chapter

- Cheboiwo J.K.**, Mugabe R.O. and Mbinga J.M. 2010. Economic Benefits of High Value Indigenous tree Species for Restoration of Moist Forests. In: Kigomo B.N, Kimiti J.M. and Tuwei P.K (eds). *Forest Restoration Handbook for Moist Forests in Kenya*, Nairobi, Kenya.
- Kapukha M.M. and **Cheboiwo J.K.** 2010. Market access of wood and non-wood forest products from

West Mau Forests. In: Kigomo B.N, Kimiti J.M. and Tuwei P.K. (eds). Forest Restoration Handbook for Moist Forests in Kenya, Nairobi, Kenya

Langat D.K and **Cheboiwo J.K** 2010. The role of local communities in forest restoration. In: Kigomo B.N, Kimiti J.M. and Tuwei P.K. (eds). Forest restoration Handbook for Moist Forests in Kenya, Nairobi, Kenya.

Langat D.K, **Cheboiwo J.K** and Suter T. 2010. Overview on natural forest degradation in Kenya. In: Kigomo B.N, Kimiti J.M. and Tuwei P.K. (eds). Forest Restoration Handbook for Moist Forests in Kenya, Nairobi, Kenya.

4.3. Technical Notes /Protocols/Guidelines

Cheboiwo, J.K., Langat, D., Ongugo, P. and Kipsaat, J. (2017). A Guideline for Market Surveys for Farm Forestry tree Products in Kenya, KEFRI Technical Paper, Nairobi, Kenya

Langat, D, Otuoma, J. Kagombe, J., **Cheboiwo, J.K.**, and Kigomo, B. (2017). Guidelines for Establishing Payment for Ecosystem Services Schemes in Kenya

Langat D.K. and **Cheboiwo J.K.** 2015. Guide to Estimating Financial Returns from Tree Growing in Kenya. A Guide for Tree Growers, Extension Agents and Forest Managers in Kenya, KEFRI Technical Note

Luvanda A.M., Musyoki J., Wekesa L. **Cheboiwo, J.K.** and Ozawa M. 2015. An assessment of the socio-economic importance of *Melia volkensii* based enterprises in Kenya.

Cheboiwo J.K., Biloko F., Abdalla A., Kambuku R.K. and Mutaganda A. 2015. Socio-economics of trans-boundary timber commodity chain in the East and Central Africa region.

Langat D.K and **Cheboiwo J.K.** 2010. The role of local communities in restoration of Mau Forest Complex. KEFRI-FOREAIM Information Leaflet No.4.

Langat D.K, Cheboiwo J.K. and Sibalet N. 2010. Mau Forest Ecosystem: Its importance and threats. KEFRI-FOREAIM Information Leaflet No.6.

Kipkoech, A., Mogaga, E., **Cheboiwo, J.K.**, and Kimaro, D., 2011. The Total Economic Valuation of Maasai Mau, Trans Mara and Eastern Mau Forest Blocks, of the Mau Forest, Kenya, Lake Victoria Basin Commission Secretariat, East Africa Commission and Environmental Research and Policy Analysis (K). 80pp

Cheboiwo J.K., Mugabe R.O. and Mbinga J.M. 2010. Economics of restoring degraded forests with high value indigenous tree species in Mau Forest Complex. KEFRI — FOREAIM Information Leaflet No.3.

Cheboiwo J. K. and Ongugo P.O. 1989. Growing and managing *Acacia mearnsii* (Black wattle) in Kenya. Research Note No.2.

KEFRI Devolution Strategy on Forestry Research and Development in Kenya. KEFRI Technical Paper. (2017)

4.4. Policy Briefs

Cheboiwo J.K. 2015. Market performance of cross border timber trade in East and Central Africa. KEFRI Policy Brief No. 1.

Cheboiwo J.K. 2015. Socio-Economic status of trans-boundary timber commodity chain in the East and Central Africa region. KEFRI Policy Brief No. 2.

Cheboiwo J.K. and Langat D. 2015. Trans-boundary timber market players in the East African Region. KEFRI Policy Brief No. 3.

Cheboiwo J.K. 2015. Potential opportunities in timber trade between Kenya, Democratic Republic of Congo and Tanzania. KEFRI Policy Brief No. 3.

5. RESEARCH

5.1. Completed

- Cost benefits analysis of forestry enterprises
- Markets and marketing research for national and cross boundary trade

5.2. Ongoing research

- Book on forestry evolution in Kenya
- Book on potential forestry enterprise in Kenya
- Market and trade dynamics in forest products in Kenya and East Africa

5.3. Mentorship and supervision

1985-2020-Mentored many KEFRI staff on socioeconomics, Forest Economics and Forest products markets and trade

6. CONFERENCES/SEMINARS/WORKSHOPS

6.1. Presentation of Papers at Academic and Professional Conferences

Cheboiwo, J.K. 2017. Forest Investment opportunities to enhance forestry business in Kenya: Wood and Non-wood Forest Products: Current Entrepreneurial Status in Kenya and Quality Assurance and Value Addition in Commercial Forestry. Presented in Forest Society of Kenya 12th National Foresters Dialogue Conference Held on 28-29th September 2017, Bontana Hotel, Nakuru, Kenya.

Cheboiwo J.K. 2015. The sufficiency of Legislations and Policy Provisions for achievement of 10% tree cover in Kenya. Paper presented in FSK National Policy Dialogue Conference Towards Achieving 10% Forest Cover: is Agroforestry and commercial Forestry the Answer, Held on 30th September to 2nd October 2015 in White Sands Hotel, Mombasa.

Cheboiwo J.K. 2011. The Potential Role of Timber Trade in Promoting Economic Development in East and Central Africa. In Proceedings of Moi University 7th Annual International Conference on Knowledge Creation and Dissemination for the realization of Millennium Development Goals Held at Moi University, 6th-10th September, 2011

Cheboiwo J.K. and Mugabe R. 2011. The Potential Economic Contribution of Biodiversity Resources In Kenya: A Review of International Trade Opportunities from Trade in Prunus Bark. In: Proceedings of Moi University 7th Annual International Conference on Knowledge Creation and Dissemination for the Realization of Millennium Development Goals held at Moi University, 6th-10th September, 2011.

- Cheboiwo J.K. 2011.** Studies on Production and Supply Dynamics of Forest Products in Kenya and Potential Trade Opportunities within East and Central Africa. Paper in Proceedings of International Conference on Tropical Forest Resources, "Forest Biodiversity, Conservation and Climate Change" held at Masinde Muliro University of Science and Technology from 6th-10th June, 2011
- Mutiso FM, Mugo MJ, **Cheboiwo J.K.**, Sang F, Tarus GK, Chemitei GK, and Simiyu WB . 2011. Disastrous Forest Fires in Kenya: National Round- Tables as Panaceas to Community-based Fire Management in the Country, Proceedings of International Conference on Tropical Forest resources, ‘ Forest Biodiversity, Conservation and Climate Change ‘ Held at Masinde Muliro University, Kakamega, Kenya
- Mutiso FM, Mugo MJ, **Cheboiwo J.K.**, Sang F, Tarus GK, Chemitei GK, and Simiyu WB. 2011. Post-Disturbance Tree Regeneration and Successional Trajectory Pathways in Mt Blakett and Kedowa Forest Blocks in Mau Ecosystems, Proceedings of International Conference on Tropical Forest resources, ‘ Forest Biodiversity, Conservation and
- Mbinga J.M. and **Cheboiwo J.K. 2009.** Water use and Ecological effects of Eucalyptus Trees. In: Semenye P.P. and Mondoh O.H. (Eds.) 2009. Proceedings of the SUMAWA Mau Forest Complex Conference. 27-29th April 2009, Egerton University.
- Cheboiwo J.K.** and Langat D. 2008. Analysis of Principals and Potential Partnerships for Tree Outgrower Schemes in Western Kenya. Paper Presented in the 4th KEFRI Scientific Conference on Recent Advances in Forestry Research for Environmental Conservation for Improved Livelihood and Economic Development Held at KEFRI Hqts, Muguga from 6-9 October, 2008, pp 321-333.
- Langat D. and **Cheboiwo J.K. 2008.** Evaluation of natural forests in private lands in Narok North District-Kenya: 4th KEFRI Scientific Conference 6-10th October 2008
- Cheboiwo, J.K. 2007.** Existing and Potential Constraints to commercialization of Farm Forestry in Kenya. Editions J. Cheboiwo, et al, Proceedings of the National Workshop on Markets and Marketing of Farm Forestry Products in Kenya, held in KEFRI Hqts, Muguga, 18th September 2003, Farm Forestry Programme, Kenya Forestry Research Institute, Nairobi , Kenya
- Langat D., **Cheboiwo J.K.** and Siko R. 2006. To conserve or not to conserve?: A cases study of forest valuation of Tindiret natural forest: 3rd KEFRI Scientific Conference 6-9th November 2006.
- Cheboiwo J.K.** and Langat D.K. 2006. Smallholder tree growers income opportunities from farm forestry in Western Kenya: 3rd KEFRI Scientific Conference 6-9th November 2006
- Cheboiwo J.K.** and Langat D.K. 2004. The role of markets in natural resources conservation and management: the case of Juniperus procera in private farms in Marakwet District-Kenya-2nd KEFRI Scientific Conference 1st-4th November 2004. pp 241-245.

- Cheboiwo, J.K. 1998.** Culture in the Conservation and Management of Forest Resources in Kenya. Editions Gibson C., et al, Proceedings of the Regional Symposium on Common Property Resources Management in East Africa, held in Kampala , March 26-28, 1996, Makerere Institute of Social Sciences and Ford Foundation and United National University.
- Cheboiwo, J.K. 1991.** The Role of the Chief Act Cap 128 in Management and Use of Forest Resources in Kenya. Proceedings of Stakeholder Workshop on Sustainable use of Natural Resources of East Mau Forests, held in Agricultural Resources Centre, Egerton University, Forest Action Network, Nairobi, Kenya
- Cheboiwo J.K and LangatD.K 2004.** The role of markets in natural resources conservation and management: the case of *Juniperus procera* in private farms in Marakwet District-Kenya-2nd KEFRIS Scientific Conference 1st-4th November 2004. pp 241-245.

7. PROFESSIONAL ENGAGEMENT

7.1. Training

- Part-time lecturer Land use policy and Forestry Legislations: School of Forestry and Wood Science, Moi University-University of Eldoret: 2007-2014.
- External Examiner: Natural Resource Management, Agroforestry and Rural Development: School of Natural Resources and Rural Development, University of Kabianga: 2011-2018
- External Examiner and Student Supervisor for MSc and PhD students: Moi University-University of Eldoret, University of Kabianga and Egerton University

7.2. Consultancies

- Water Tower Resilience to Climate Change in Kenya: Ecosystem valuation of Ecosystem services in Cherangany Hills, Mt Elgon and Mau complex, Ecosystem Valuation (ESV) in 2018
- Economic analysis of Forest Landscapes Restoration options for Kenya IUCN in 2017
- Studies on Public Private Partnership (PPP) in Forest Sector in Africa in 2017 African Forest Forum 2016
- Studies on market conditions for key tradable forest products in Kenya, Unique Consultants Ltd, 2014.
- Study on the Socio-Economic status of trans-boundary timber commodity chain in the East and Central Africa region, EU-FLEGT 2013-2015
- Potential Markets for Tanzanian Tree products in East Africa region. Private Forestry and Carbon Trade Project, Ministry of Natural resources and Tourism, Forestry and Beekeeping Division, Dar es Salaam Tanzania in 2013
- Study on the role of agroforestry in tropical timber supply in Kenya and East Africa Kenya, Kenya Forestry Research Institute, ITTO/ICRAF in 2011
- Market chain analysis and Business Plan for export Trade in Teak timber from Western Equatoria States of the Government of Sudan, Consultancy Report for Blue Lakes Company Limited, Juba and Nairobi in 2009

8. EXTERNAL AND INTERNAL RESEARCH GRANTS

- 2016-2020-EU- Water Tower Protection and Climate Change Mitigation and
- 2018- GFCC-IUCN- Economic analysis of Forest Landscapes Restoration options for Kenya
- 2016-2017- Sida-AFF-Potential for PPP in Forestry Sector Development in Eastern Africa
- 2015-2017- USAID-Kenya Water Tower Climate Change Resilience Program
- 2012-2015- FAO-FLEGT-Socioeconomic of Transboundary timber commodity Chain in East and Central Africa
- 2004-2009- Forest Restoration in Eastern Africa Moist Montane Forests (FOREAIM)

9. LOCAL, REGIONAL & INTERNATIONAL APPOINTMENTS

9.1. Local

- Chair KEFRI standing Task Force on policy and legislation reforms to support MENR initiatives and processes (NFP 2016 and FCMA 2016) including subsidiary legislations
- Chair KEFRI Strategic Plan Mid Term Review (SP 2013-2018) 2015-2016
- Chair KEFRI Task Force on Development of KEFRI Strategic Plan 2018-2022
- Chair KEFRI Task Force on SRC Job evaluation exercise 2016-2017
- Chair KEFRI Task Force on KEFRI-KFS Land/Asset Sharing 2016-2018
- Member KEFRI Task Force on MENR MTPIII development 2016-2017
- Member Implementation Taskforce of the Board (ITB) on Science Leadership and Human Resource Management 2017-2018
- Team Leader KEFRI Task Force on development of KEFRI Devolution Strategy October 2016-February 2017.

9.2. Regional

- Chair Electoral Committee for FORNESSA membership elections 2020

10. AWARDS AND RECOGNITION

- KEFRI Special Awards for Senior Scientist for publication and productivity 2016-2017
- KEFRI outstanding Performance Nationally for the Year 2011-2012 on Integrity, Efficiency, Punctuality, Transparency and Hard work

11. CONTRIBUTION TO KEFRI's ADVANCEMENT

- 1985-1991: Founded and mainstreamed Socieconomics, Policy and Governance Research
- 1991-1999: Founded and mainstreamed Forest Economics and Cost Benefit Analysis in forestry research operations
- 1999-2020: Founded and mainstreamed markets, marketing and trade research on forestry products in Kenya and Eastern Africa
- Secured over 1,070 hectares KEFRI research land in Kitui with title deeds
- Secure KFS land for research and development in Londiani and Turbo
- Chaired Task Force on the development KEFRI Strategic Plan 2018-2022

12. MEMBERSHIP TO PROFESSIONAL BODIES

- Member Kenya Forest Society of Kenya

13. REFEREES

1. Ben Chikamai
Consultant,
Network for Gums in Association Africa,
Telephone: 0722756483: Email benchikamai@ngara.org
2. Dominic Walubengo
Director
Forest Action Network.
P.O. Box 21428, Uhuru Gardens
Nairobi
Tel/Fax: 254-2-891035,
E-mail: DWalubengo@fanworld.org
Cell: 254-724256862
4. Prof. Erick Koech
DVC, Finance and Administration
University of Kabianga
P.O. Box 2030-20200,
Kericho, Kenya
Email: erickipyegon@yahoo.com, Cell:
Cell: 254-728223842
5. Prof. Vincent Sudoi
Dean, School of Environmental Studies,
University of Eldoret,
P.O. Box 30100,
Tel.254-532063111

Eldoret, Kenya Email: ses@uoeld.ac.ke or
vsudo2010@gmail.com, Cell: 254-722222943

5. Godwin Kowero

Chief Executive,

African Forest Forum

P.O. Box 30677-00100,

Tel.254-207224000,

Nairobi, Kenya

Email : g.kowero@cgiar.or

Cell : 254-721734864