



James K. Ndufa, PhD

TOPIC:

**Integration of trees in forest and land restoration initiatives:
Lessons learnt and challenges from different landscapes in Kenya**

5th Institutional Colloquium

VENUE: Auditorium, KEFRI Headquarters Muguga

DATE: 6th October, 2022

TIME: 10:00am

VIRTUAL: https://kefri-org.zoom.us/meeting/register/tZAvfuGsqlikuHNXp4OroGmLlvxL_oPcziMDD

Bio:

Dr. James K. Ndufa is an accomplished professional with over 32 years progressive experience in research and development. Currently, I am the Deputy Director, Forest Biodiversity and Environment Management (FBEM) at Kenya Forestry Research Institute (KEFRI), a position I have held since 2020

Dr. Ndufa graduated from Moi University in 1989 with a BSc. degree in Forestry Science. In 1997, he was admitted to University of London for an MPhil programme, which was upgraded to PhD Programme in 1998 because of his excellent performance and later awarded a PhD. in 2001 in Biological Science from University of London.

He is recognized for provision of leadership in restoration of degraded agricultural systems, forest in humid highlands and rangelands in arid and semi-arid lands (ASALs) ecosystems. From 1990 through 2007, while serving as a lead scientist and the Regional Director, Lake Victoria Eco-region Research Programme (LVERP) he developed, coordinated and managed the regional research program, aimed at eradicating poverty and reversing land degradation together with World Agroforestry Centre (ICRAF), Kenya Forestry Research Institute (KEFRI) and Kenya Agricultural Research Institute (KARI) under Agroforestry Network for Africa (AFRENA). His exemplary work included developing innovations and technologies in Soil Fertility Recaptalization and Replenishment and integrated tree-based soil fertility in Western Kenya which have been widely adopted and has led to improved crop productivity and eradication of food deficit in the western region. In 2007 to 2008, he was Officer-In-Charge of KEFRI Nyeri center where he coordinated research activities on landscape restoration in Mt. Kenya and Aberdare Ecosystems which are under the Central Highlands Eco-Region Programme (CHERP). From 2009 through to 2018, he was the Regional Director Dryland Eco-region Research Programme (KEFRI-Kitui) where he developed, coordinated, and managed research aiming at eradicating poverty, reversing land degradation, resource management and conservation strategies for drylands.

Research grants mobilization and management is core to my competencies having extensively participated in a number of these undertakings over the years both as a researcher, proposal originator, implementer and coordinator. Dr. Ndufa has mobilized over Ksh. 1 Billion from various development partners including European Union, DFID, NRSP, JICA, JIFPRO, IAEA and GEF among others to support research and development. Currently, he is involved and coordinating the following projects;

Testimonials:

1. 2022: Prosopis survey and biomass assessment in Turkana County. JICA, Kenya. 2,000,000
2. 2021: Upscaling production of high quality seedling for climate change mitigation and contribution to 10% forest cover in ASALS counties of Kenya. Submitted to JICA Kenya. Supported the drilling of borehole in DERP Kitui and TIVA Station – 28,000,000
3. 2021 -2022. Proposal on Bamboo Allometric and Hydrology Research Coast Region (Gede), Kenya. Ksh 2,000,000.00
4. 2020: IRES Track II. Engage Globally: Tropical Plants Metabolomics Advanced Training Institute in Kenya in collaboration with Bowie State University (USA) and University of Nairobi
5. 2022 – 2026 Project on project for strengthening forestry sector development and community resilience to climate change through sustainable forest management and landscape restoration. A collaborative project between Japan International Cooperation Agency (JICA), MENR, KFS, and KEFRI: JICA Technical Cooperation **Project JICA’s estimated contribution for the Fiscal Year 2022/23: Kes 42,646,000** and expected total project cost for 5 years will be Kes 544 million. The cost is exclusive of equipment, counterpart training in Japan, engagement of experts and consultants, and other necessary cost for project management
6. 2022 -2023 KEFRI- FAO LOA (Year 2) for implementation of GEF6 Project on Restoration of arid and semi-arid lands (ASAL) of Kenya through bio-enterprise development and other incentives under The Restoration Initiative” (Under Review) 33 Million
7. 2021 -2022 JIFPRO Project on The study program of m-star long rooted seedlings in semi-arid area in republic of Kenya” Ksh.2 Million
8. 2015 - 2021: Capacity Development Project for Sustainable Forest Management in the Republic of Kenya. A collaborative project between Japan International Cooperation Agency (JICA), MENR, KFS, and KEFRI: **JICA Technical Cooperation Project** Ksh. 2900 Million
9. 2020 – 2021: Validation and Promotion of Mixed Trees-Shrubs Legume-Fallows for Improved Livelihood and Provision of Resilience against Climate Change KCSAP Project Ref Number: FP04-8/3. Ksh 19,373,600; Kenya **Climate Smart Agriculture/World Bank funded**
10. 2020 – 2021: Integrated Land and Water Management Strategies for Restoration and Protection of Water Resources in Agro-Pastoral Systems -Kenya (IMWAR). KCSAP Project Ref Number: FP04-3/1. Ksh. 1, 572,000; Kenya **Climate Smart Agriculture/World Bank funded**
11. 2020 - 2021: Climate Smart Technologies for Restoration of Degraded ASALs and Enhancement of Communities Resilience in South Eastern Kenya. KCSAP Project Ref Number: FP04-1/3. Ksh. 2,278,100: Kenya **Climate Smart Agriculture/World Bank funded**
12. 2020 - 2021: Upscaling Sustainable Land Management Technologies for Enhanced Carbon Sequestration and Improved Smallholder Farmer’s Livelihoods. KCSAP Project Ref Number: FP04-4/1. Ksh. 7,993,600: Kenya **Climate Smart Agriculture/World Bank funded**
13. 2020 – 2023: Restoration of arid and semi-arid lands (ASAL) of Kenya through bio-enterprise development and other incentives under The Restoration Initiative: GCP/KEN/090/GFF- **GEF/FAO funded (Overseeing the Implementation) and Kenyan Focal Point**
14. 2019 – 2023: Integrated Programme to Build Resilience to Climate Change of Vulnerable Communities in Kenya: Kenya Climate Change Adaptation Programme (KCCAP) **(Overseeing the Implementation) and KEFRI Focal Point**

He has published widely in the peer reviewed journals, books chapters as well as attended and presented papers in international conferences and workshops. In a recently released AD World Scientific and University ranking, Dr. Ndufa was ranked - No. 1 in KEFRI, No. 40 in Kenya; No. 420 in Africa and No. 8960 in the World in terms of Total H, Total i10, Total citation in Agriculture & Forestry publications; and No. 1 in KEFRI, No. 3 in Kenya No. 25 in Africa and No. 823 in the World in Forestry publications. Overall World Ranking: No. 1 in KEFRI, No. 295 (25%) in Kenya, No, 6445 (28%) in Africa and No. 364378 (50%) in the world.

He has supervised, mentored, coached and examined many PhD, MSc and BSc students who have undertaken research under his guidance jointly with other supervisors from Egerton University, University of Eldoret, Maseno University, University of Nairobi and University of London. He has been a Part-time lecturer in University of Eldoret, SEKU University and Maseno University In terms of career progression, he has grown by merit from Assistant Research Officer (ARO) to Chief Research Scientist (CRO) at KEFRI.

He possesses superior interpersonal, organizational and analytical skills in problem solving with tactical foresight and verifiable success on growth opportunities, improving performance and optimizing organizational efficiency and productivity. In addition, he is skilled in providing strategic leadership, building teams and relationships with individual clients/stakeholders and team members of diverse cultures and institutions.

Quote:

‘The journey of a thousand miles begins with one step’ by Lao Tzu

KM Profile: <http://km.kefri.org:8085/Main/JamesNdufa>

ORCID: <https://orcid.org/0000-0003-4878-1937>

Email: jkndufa@gmail.com