

J. Owino
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Lodwar
KENYA
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PROFESSIONAL BACKGROUND

- July 2018-** Senior Research Scientist (Drylands Forestry) and Assistant Regional Director, KEFRI-Rift Valley Ecoregion Research Program, Turkana Forestry Research Sub-Region.
1. Provide technical leadership in the development and implementation of research activities in the sub region;
 2. Planning and management of resources (human, financial, equipment and other assets) at the sub region;
 3. Provide advisory and facilitation services at the sub region;
 4. Develop forestry and allied natural resources research proposals;
 5. Prepare and plan research trials and their field monitoring;
 6. Undertake collection of field data and subsequent analysis;
 7. Develop work plans and budgets for all activities in the sub region;
 8. Disseminate research finding and technology transfer to users;
 9. Develop partnership and networking with local organizations;
 10. Monitor and evaluate management and research activities in the sub-region;
 11. Promote and undertake income generations activities within the sub-region;
 12. Implement the quality standards and operating procedures at the sub-region;
- June 2014- June 2018** Research Scientist (Drylands Forestry) and Officer in Charge of Station- Kenya Forestry Research Institute (KEFRI-LODWAR)
1. Provide technical leadership in the development and implementation of research activities in the sub centre;
 2. Planning and management of resources (human, financial, equipment and other assets) at the sub centre;
 3. Provide advisory and facilitation services at the sub centre;
 4. Develop forestry and allied natural resources research proposals;
 5. Prepare and plan research trials and their field monitoring;
 6. Undertake collection of field data and subsequent analysis;
 7. Develop work plans and budgets for all activities in the sub centre;
 8. Disseminate research finding and technology transfer to users;
 9. Develop partnership and networking with local organizations;

10. Monitor and evaluate management and research activities in the sub-centre;
11. Promote and undertake income generations activities within the sub-centre;
12. Implement the quality standards and operating procedures at the sub-centre;

Feb 2011-May 2014 Senior Facilities Management Officer SB 5-State Corporation under Ministry of Sports, Culture and the Arts. With key tasks water and land resources.

1. Carrying out Environmental and Quality Audits on the facilities.
2. Coordinating activities of the facilities enforcing international standards. Lead research and projects department.
3. Development and management of programmes including supervision/appraising/development of staff in the unit.
4. Performance contracting in line with strategic plan and budget preparation and management.
5. Capacity building of staff and clients (training director for conservation and facility management)
6. Knowledge management working with various portals to brief stakeholders such as on website and social media accounts.

Aug 2008- Dec 2012 Research Scientist on Human-Wildlife ecology study for Egerton University.

Duties and responsibilities:

Carrying out research on various resource issues. Maintaining research records and operational standards for study operations, Monitoring performance through gathering data and producing statistical reports. Carryout process mapping and facilitating development of effective process procedures and manuals. Establish quality standards for products and services including terms of references. Assisting in the development of university wildlife research standards. Assisting in the formulation and implementation of environment, health and safety standards of research protocols. Updating social media and project website. Part Time Lecturer on assigned ecological and conservation courses.

Sept. 2007- April 2008` Research IT and Data officer in KEMRI-UCSF Kisumu.

May 2007- Sept 2007 Monitoring and evaluation of Agriculture and Environment Program- Catholic diocese of Homabay's Resources Development.

Sept 2006 – Nov 2006 Attached at Agriculture and Environment Program (AEP) of the Catholic Diocese of Homabay..

Aug 2003-Aug 2007 Participated in various gender conscious activities countrywide courtesy of Egerton University, as a leader of the student body and resource person on resources. Activities involved running a girl child fund, mentorship program for high schools and student counselling.

August 2002 -June 2003 Enumerator in various baseline surveys by World Food Program (WFP), KEMRI-WELLCOME TRUST and Kenya Government Departments.

Feb 2002-October 2002 Research Assistant on a post-doctoral study.

January 2002- Aug 2003 Communication and ICT at the Western Region Community
Communications Service for the Anglican Church.

EDUCATIONAL BACKGROUND

International Livestock Research Institute

(Jan 2015- Dec 2017) Graduate Fellow (PHD)-Affiliation
(GHG emissions, Sustainable Livestock and Environment Systems)

University of Nairobi

(Jan 2015-)- PhD- Climate Change and Adaptation- on going)

The University of Kansas

(July-August 2013) Biodiversity Informatics Data Analysis

The University of Kansas

(Feb 2013) Ecological Niche Modelling

Centre for Development Innovation (CDI) of the Wageningen University in the Netherlands

(Oct 2012) Fellowship- Adaptive Management of Natural Resources

Sports Stadia Management Board

(May 2009- Oct 2010)- Graduate Management Trainee

Egerton University Master of Science

(Aug 2008- 2013) MSc Natural Resources Management

Egerton University Bachelor of Science Upper 2nd Class (Hons) degree

(Aug 2003- Aug 2007) BSc Natural Resources Management

High School Lenana School, Nairobi

(Feb. 1998 – Nov. 2001) B (plain)

PERSONAL DETAILS

Date of birth 6th August 1983

Marital status Single

Id Number 23014336

Passport No; A1788635

Religion Christian-Catholic

Criminal offences; None

Driving License: BCE over 8 years clean driving

Information Technology: Expert Level on Networks and advanced level Database. I have skills in programming (using C++) use of Database analysis software such as SPSS, STATA, EPI Info, SARS, R, Operating Systems; Android, Linux, Symbian, Mac OS and Microsoft Based Software. Presentations using PowerPoint, Adobe suites and CorelDraw. Ecological Niche Modelling Software: Maxent, Garp, QGIS, Estimate, SAM and Zonation, Instructor for MS Projects and other technical software.

ISO Standards: Trained as an auditor for ISO 9001: 2008, ISO 14001:-2004, ISO 17025:2005, ISO 22000, ISO 15189:2007

Life skills: Trained in ICS- Incident Command Systems, advanced first aid, and Medical laboratory protocols.

Awards;

Newton Grants Innovations for increased water availability for plant and domestic requirements. University of Edinburgh, Strathmore University,
(2016-2017) Kenya Agriculture and Livestock Research Organization, Kenya Water Institute,
2017-2018) Kenya Forestry Research Institute-Turkana Forestry Research Sub-Region.

GIZ-Kenya Drought Resilience Program I-Turkana 2016-2017
Food and Nutrition Service- Turkana 2017-2018
Drought resilience Program II Turkana 2018-2019
Technical Cooperation Facility -Turkana 2018-2019

FAO-Kenya Sustainable Land Management- Turkana 2018-2019

Fellowships

- ILRI-DAAD-in country PhD scholarship 2015-2017
- Two Kansas University course fellowships
- Wageningen University course fellowship

Publications

- Owino Jesse, Kemboi Jackline, 2019. Germination of various dryland tree species important to the Turkana Community. presented on XXV IUFRO Congress in Curitiba, Brazil
- Edward Mengich and Jesse Owino "The role of eco-physiology in enhancing livelihoods resilience among Pastoralists in Eastern Africa: a review of recent research in the eco-physiology of useful trees, crops and pastures in the drylands of Kenya" Presented in regional conference on recent research, and policy options to be held between 21st and 23rd May 2019 in Moroto, Uganda,
- Fredrick Lomekuya, Andrew Orina, Ikal Ang'elei, Moses Njeru, Paul Lukhwenda, Jared Amwatta, Robert Nyambati, Joshua Cheboiwo, Gabriel Muturi, Ben Chikamai, Jackline Kemboi, Jesse Owino. 2019. Sustainable management of natural vegetation and fish breeding grounds in Lake Turkana, Kenya. in review in *Scientific African*.
- Oghaiki A. Ndambi1, David E. Pelster, Jesse O. Owino, Fridtjof De Buissonje, Theun V.Vellinga. 2019. Manure management practices and policies in sub-Saharan Africa: implications on manure quality as a fertilizer. in *Frontiers in Sustainable Food Systems*. <https://doi.org/10.3389/fsufs.2019.00029>
- Owino Jesse, Olago Daniel, Wandiga Shem and Asaah Ndambi, 2018. Improving manure management practices towards nutrient retention and GHG emissions reduction for smallholder dairy farmers in Nandi County, Kenya, presented during the 1st Conference on Science for Development, to be held at the University of Nairobi's College of Biological and Physical Sciences (CBPS) between 24th - 25th October, 2018.
- Owino Jesse, Olago Daniel, Wandiga Shem and Asaah Ndambi, 2018. Greenhouse gas emissions and nutrient losses from manure heaps of smallholder dairy farmers in Nandi County, Kenya presented during the 1st Conference on Science for

Development, to be held at the University of Nairobi's College of Biological and Physical Sciences (CBPS) between 24th - 25th October, 2018.

- Owino Jesse, Kemboi Jackline and Muturi Gabriel. 2018. Water harvesting infrastructure and selected tree performance in dryland of Turkana County, Kenya. presented during 5th KEFRI international Conference. 2018.
- Jesse Owino, David Pelster, Klaus Butterbach-Bahl, Oghaiki Asaah Ndambi, Shem Wandiga, Daniel Olago, Mariana Rufino, Lutz Merbold. 2018. Improved Greenhouse Gas Emissions and Nutrient Losses Estimates from Manure of Kenyan Smallholder Dairy Farmers Presented in Improved Greenhouse Gas Emissions and Nutrient Losses Estimates from Manure of Kenyan Smallholder Dairy Farmers
- Muturi, G.M, and Owino, J. 2018. Land Degradation, Desertification, Land Degradation Neutrality and Land Invasibility. presented TURKANA COUNTY LIVESTOCK DEPARTMENT-PASTORAL ECONOMY CONFERENCE: 2018, "Future of Pastoralism in Changing Dynamics of Turkana County". <https://futureofpastoralismturkana2018.files.wordpress.com/2018/08/land-degradation-desertification-land-degradation-neutrality-and-land-invasibility-dr-gabriel-muturi.pdf>
- Muga M., Luvanda A.M, Oriwo V, Chikamai B.N. and Owino J. 2018. Untapped natural resource potential for livelihood improvement in Turkana County, Kenya: Case study of Gum Arabic. presented TURKANA COUNTY LIVESTOCK DEPARTMENT-PASTORAL ECONOMY CONFERENCE: 2018, "Future of Pastoralism in Changing Dynamics of Turkana County". <https://futureofpastoralismturkana2018.files.wordpress.com/2018/08/untapped-natural-resource-potential-for-livelihood-improvement-in-turkana-county-kenya-case-study-of-gum-arabic-albert-luvanda-makee.pdf>
- Owino J.O, Sharmake A, and Muturi G, 2017. *Rangeland Rehabilitation using selected trees in Turkana County, Kenya* presented during the 6th International Conference on Drylands, Deserts and Desertification, Sede Boqer, Israel Nov, 2017.
- Mengich, E.K., Cheboiwo, J.K., Mulatya, J., Owino J. and Ongugo P. 2017. Guidelines for Integrating Trees in Irrigated Agriculture Landscapes of Kenya. KEFRI, Nairobi.
- Owino J.O, Sharmake A, and Muturi G, 2016. *Rangeland Rehabilitation using Micro-catchments in Turkana County, Kenya*. Academia Journal of Scientific Research 4(6): 000-000, September 2016. DOI: 10.15413/ajsr.2016.0614. ISSN: 2315-7712
- Owino Jesse. 2016. Innovative community-based rangeland practices presented during the 2nd National conference on Sustainable Land Management, Elementaita, Kenya.
- Owino Jesse. 2013. *Ecological Response of Chloris Roxburghiana to Wildlife and Livestock Grazing in Chyulu Hills National Park and Environs, Kenya*. M.Sc. Natural Resources Management Thesis at Egerton University Library
- Owino Jesse. 2013. Suitable rangeland practices using pasture to rehabilitate rangelands. presented during the 1st National conference on Sustainable Land Management, Naivasha, Kenya.

- Waweru F.K and Owino J.O. 2013. *Ecological Response of Chloris Roxburghiana to Wildlife and Livestock Grazing in Chyulu Hills National Park and Environs, Kenya*. In *International Journal of Engineering Research & Technology (IJERT)*, Vol. 2 Issue 12, December 2013

PROFESSIONAL INTERESTS AND ACTIVITIES

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| Jan- Feb 2019 | Senior Management Course- Kenya School of Government |
| April 2015- | National Environment Management Authority listed Expert ID Number NEMA/EIA/ER/2930 |
| Sept 2014 | Trained on <i>Rapid Carbon Stock Appraisal and Development of Project Idea Note and Project Design Document.</i> |
| May 2014-July 2014 | Trained on UN CC learn introductory e-course on Climate Change. |
| May 2012-July 2012 | Trained on Mainstreaming Climate Change in Development Planning and Implementation |
| February 2009- Current | Active member of Ecological Society of East Africa. Ordinary Member No: 267 |
| June 2011 | Trained as an auditor in ISO 14001-2004 EMS and ISO 9001-2008 QMS |
| April 2011 | Trained on Reducing Emissions from Deforestation and Forest Degradation and Conserving and Enhancing forest Carbon Stocks (REDD+) |
| March 2011 | Trained on Government and Civil Society Organisations Partnerships- Successful Cross-Sectoral Collaboration – Making it Happen |
| Feb 2011 | Trained on Strategic Planning for management. Performance Target Setting, Performance Contracting, Midterm Review, Monitoring and Evaluation of performance |
| Nov- Dec 2010 | Trained on United Nations Common Country Programming Processes Part I And II course on project management. |
| June- July 2010 | Trained on Strategic Planning and Performance Contracting in workshop for management. |
| June 2009 | Trained on ISO 14001-2004 EMS and ISO 9001-2008 QMS. |
| May 2009 | Trained on Human Participant Protections Education For Research Teams a course for persons in research organisations involving human participants. |
| March 2008- April 2008 | Trained as on Study Protocol and Study Specific Procedures By Kemri –Kisumu (RCTP). |
| Aug 2003- Current | Member of the Egerton University Gender League a mentoring program for Primary Schools, High Schools and Universities in the less privileged and highly challenged communities. |
| June 2003 | Trained on Nutrition Survey Exercise by World Food Program and Ministry Of Health. |
| February 2003 | Trained on Diseases Surveys by Kemri-WELLCOME Trust. |
| August 2002 | Trained on interview techniques to collect information on Human Ecological Issues by Kemri-WELLCOME Trust- Kilifi. |

LEISURE PURSUITS

Interested in expanding my knowledge in areas such as computers, environment and trying innovative ways of communicating, trying out new recipes, furniture making and gardening.

Mentoring of the youth on various agenda such as religion, life skills and people skills.

Charity work involving in volunteering in places that give help to HIV/AIDS affected and infected persons, Ophaned and Vulnerable Children and Environment Rehabilitation.

Reading broadly on diverse topics for the fun of it

Attending plays, Recitals and Public speeches.

Photography especially High Definition and 3Dimension works.

Sports bias in rugby, marathons and endurance swimming.

REFEREES

1. Prof. Shem O. Wandiga FRSC, D.Sc. (hc)
Institute for Climate Change and Adaptation and
Department of Chemistry
University of Nairobi, College of Biological and Physical Sciences P.O. Box 30197-
00100 Nairobi, Kenya
wandigas@uonbi.ac.ke
Tel. +254 9(0)20 4446140
Mobile: +254 722 816153

2. Dr. Ben Chikamai
National Gums and Resins Association
P. O. Box 20412 - 00200
NAIROBI
bnchikamai@gmail.com
MOBILE PH: +254-722-756483

PROFESSIONAL COMPETENCE

I have over 18 years' experience successfully working with people from diverse cultural, religious, economic and social backgrounds. I have been fortunate to gain this experience working with various organizations such as Kenya Forestry Research Institute (KEFRI), Sports Kenya (Facilities), Egerton University's Faculty of Environment and Resource Development, KEMRI-Research Care Training Protocol Centre etc. In order to undertake my duties effectively, I had to be organized, adaptable and hardworking, possessing the ability to cater for personal differences and requirements so as to benefit my target audience. In relation to government structure, the above traits should enable me to understand and address tasks assigned as a team as well as to respond productively to the demands of colleagues and the institutions alike.

Having worked in different organizational and bureaucratic systems with disparate areas of emphasis, I have had to respond to set criteria as required by the various institutions. I am able to work within set limits of established international, national standards, procedures, guidelines and policies as unique as would be required.

Of utmost importance is my PhD in Climate Change Adaptation and myriad of technical courses. I am in a position to understand, interpret and participate in institutional resource, research, policy and procedures interpreted within middle to senior management setup. I have a wide professional training array in various technical and facilitative fields thus provide holistic interpretation of various tasks. I conduct monitoring and evaluation of projects, programs and initiatives across the board in various communities and institutions setups.

I am highly motivated and believe in dynamism offered by professional development programs and perceive every experience as a learning opportunity. My expert level IT skills have assisted various organizations with cutting edge solutions to respond to the dynamics of the ever-changing corporate scene.

Having been a leader most of my school life and in social organizations, I have had the opportunity to broaden my leadership, communication and mentoring skills, and am confident of my ability to use the same in executing assigned duties.

I take pride in my ability to be proactive as well as responsive to different needs. I hope you will accord me the opportunity to further my experience within the institution.