

1.0 PERSONAL INFORMATION

Name: Dr. Benjamin O. Danga
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2.0 QUALIFICATIONS

(a) Academic

	Year of Award	Training certification	Institution
1	2008	PhD in Soil Science (Soil Fertility, Soil Chemistry and Plant Nutrition; modeling)	Egerton University / Institute of Soils and Water, Department of Soil chemistry and Nutrition, Volcani Centre, Bet Dagan, , Israel
2	1996	M.Phil in Soil Science	Moi University
3	1990	BSc Agricultural Education and Extension	Egerton University
4	1986	Kenya Advanced Certificate of Education (KACE) 3 principal Pass (Math, Bio, Chem)	St. Pauls Amukura High school
5	1984	Kenya Certificate of Education (KCE) Division 1	St. Mary's Ukwala Secondary
6	1980	Certificate of Primary Education (CPE) 30 points	Lieta Primary school

(b) Professional Courses

	Year / dates	Course	Institution
1	2006	Modeling C & N dynamics in soil	Institute of Soils and water, Department of Soil Chemistry & Nutrition, Bet Dagan, Israel
2	1990	Agricultural extension	Egerton University
3	1990	Education / Teacher training	Egerton University
4	2011 (Feb 10 -11)	Results Based Monitoring and Evaluation	AGRA
5	21-24th May 2013	Training of trainers on HIV Mainsteaming & Integration into Curriculum	Kenyatta University (ACU 2nd TOT workshop)

(c) Other courses

		Institution	Dates
1	Environmental Management systems (EMS) Implementation training of ISO 14001:2004 Environmental management systems.	Kenyatta University	17 th – 19 th June, 2009
2	Module writing	Kenyatta University	November, 2009; (20.11.09)
3	Results Based Monitoring & Evaluation	AGRA	February 10-11, 2011
4	Training of trainers on HIV Mainsteaming & Integration into Curriculum KU.	Kenyatta University (ACU 2 nd TOT workshop)	21-24 th May 2013

3.0 EMPLOYMENT HISTORY

- 2009 (March) to date: Lecturer, Department of Agricultural Resource Management, Kenyatta University
- 2004 – 2008: Teaching / Laboratory supervision (part time), Egerton University – Research fellowship, teaching Introduction to Soil Science, Soil Fertility and Plant Nutrition; Soil Chemistry, Soil physics, Supervising laboratory practicals and field sessions
- 1996 – 2004: Senior Lecturer, Bondo Teachers Training College. Primary Teacher Training - Teaching Agriculture, Teaching Practice Supervision, Development of curriculum materials, Patron, Young Farmers Club (YFC).
- 1990 – 1996: Lecturer in Agriculture – Asumbi, Tambach, Mosoriot Teachers Training Colleges. Primary Teacher Training - Teaching Agriculture, Teaching practice supervision, Patron Environmental club, Agriculture projects,. Other duties – curriculum materials & development.

4.0 ADMINISTRATIVE RESPONSIBILITIES

4.1 At Kenyatta University

	Dates	Position
1	2010 to date	Appointed Deputy Coordinator , KU-AGRA ISFM MSc Training programme (Regional Training programme funded by AGRA (VC appointment).
2	2009 – date	Chairman, IBP Coordination committee, School of Agriculture and Enterprise Development
3	2009 – 2012	Examination Coordinator, Department of Agricultural Resources Management
4	2009-2012	ISO Coordinator Department of Agricultural Resource management
5	2014 to date	Chairman, Board of Undergraduate studies, ARM Department
6	2012 to date	Year 1 students academic advisor, ARM dept

5.0 FELLOWSHIPS

	Organization	Area	Dates
PhD Fellowship	Egerton University / Institute of Soils, Water & Environmental Sciences, Bet Dagan, Israel	Field Research on chickpea – wheat rotation and Incubation studies and modeling with NCSOIL, Volcani centre, Israel	2003-2008
MPhil scholarships	Moi University	Research on soil and water management	1992-94

6.0 POST GRADUATE SUPERVISION

6.1 PhD Supervision

6.1.1 COMPLETED - none

6.1.2 ON-GOING (4 PhD students)

	Name	Registration No.	Title of thesis
1	Richard J. Osiyo	A99/24647/2011	Effect of organic and inorganic nitrogen sources on carbon and nitrogen dynamics, maize yield and climate change in Kisumu County
2	Onchuru Kennedy	A99/13222/2009	Managing soil fertility challenges: The role of agricultural policy and socio economic interactions in adoption of management practices in Kisii, Western Kenya.
3	Stella Nyanduko Obanyi	A/99/13223/2009	Reclamation of saline – sodic soils under irrigation by using fortified manure, cover crops and gypsum for improved agricultural productivity in semi-arid eastern Kenya
4	Moses Daniel Nyongesa	A99/23109/2010	The Agronomic potential of fortified sugarcane trash compost treated with <i>Tithonia diversifolia</i> and Mineral fertilizers for improving Sugarcane productivity

6.2 Masters Supervision (22 students)

6.2.1 COMPLETED (5 students, graduated 4)

	Name	Registration No.	Title of thesis	Date Completed	Year Graduated
1	Maurine Akinyi Onyango	A148/20171/2010	Effect of inoculation, lime and inorganic fertilizer on soil properties, soybean and maize yields on acidic soils of western Kenya	Sept. 2012	2013 (July)
2	Gitari Harun Ileri	A148/13220/2009	Lime and manure application to acid soils and their effects on bio-chemical soil properties and maize performance at Kavutiri – Embu County.	Sept. 2012	2013 (Dec)
3	Olive Tuyisheme	A148EA/20181/2010	Effect of bio-Slurry and Urea Fertilizer on Soil Properties and Maize yield in Musanze District, Rwanda	Sept. 2012	2013
4	Arlindo Muambole	A103F/21175/2010	Effect of combining cattle manure and Inorganic P-fertilizer on soil properties and Maize yield in acidic Soils in Bieria Corridor, Mozambique	Sept. 2012	2013
5	Lucy Wangui Ngugi	A148/20169/2010	The risks and the benefits of investments in soil and water conservation technologies with changing and varying climate in Eastern Kenya	Jan. 2014 (defended thesis)	

6.2.2 ON-GOING (17 STUDENTS)

	Name	Registration No.	Title of thesis
1	Benvindo Serafim M. M. Verde	A148F/25514/2011	Effects of manure, lime and phosphate fertilizer on soil properties and soybean (<i>Glycine max</i> L.) yields in Embu county, Kenya
2	Titus Mbaluka	A148/22275/2010	Effects of organic residues type and placement on carbon sequestration, nutrient availability in soil and maize yields in Machakos county, Kenya
3	Damaris Kambua musyoka	A148/22339/2011	Effects of <i>rhizobial</i> inoculation and inorganic phosphorus on soil chemical properties and yield of sorghum - cowpea intercropping in eastern Kenya.
4	Esperança Tiago Sabino Michaque	A148F/25253/2011	Effects of Poultry Manure and Mineral Fertilizer on selected soil properties and yield of maize (<i>Zea mays</i> L.) in the Central Province of Mozambique
5	Bernard Omayio MONGARE	A147/21073/2010	Effect of seed priming on maize yields, nutrient and water use efficiencies in semi-arid eastern Kenya.
6	Jared Odoyo Malela	A147/CE/23458/2010	Effects of micro-dosing and tied ridging on maize yield in smallholder farms of semi arid eastern Kenya
7	Susan Openda	A148/21591/2010	Improving crop yields through efficient water use management using trapezoidal bunds and manure in Machakos county- Kenya
8	Liliane SHUKURU BAHATI	A148F/21206/2012	Effects of Mycorrhizae and Rhizobia Inoculation on Phosphorus and Nitrogen Availability and Soybean Performance (<i>Glycine Max</i> , Var Sb24) in Walungu District, DR. Congo
9	Macharia Teresia Njoki	H60/21260/2012	Conservation agriculture, household food security and nutritional status of children 6-59 months of age in Kathonzi district, Makueni county
10	Onderi Josephine Nyabonyi	A147/OL/25246/2011	An assessment of suitability for irrigation of effluents from Mwea irrigation scheme, Kirinyaga county, Kenya
11	Kimwomi Omae Emily Bousi	A/103/13239/09	The use of vermi-cast fertilizer to enhance <i>Pelargonium sidoides</i> DC root productivity
12	Garret Awuor	A103/21592/2010	The effects of soil properties on organic C and N mineralization and transformations in soil for adjustment of compost application rates computed with the model NCSOIL.
13	Ngosi Caleb	A103/CE/14471/09	Harnessing the benefits of chickpea - maize rotation through nitrogen and phosphorous management in Laikipia county, Kenya.
14	Oketch Sylvester Odhiambo	147/20752/2012	The effect of conservation tillage practices on soil properties moisture and maize yield in Siaya County, Kenya.
15	Christine Ombuna	A147/OL/24911/2011	Proposal development stage
16	Obingo Billiard Oduor	A147/OL/24906/2011	Proposal development stage
17	Mboko Elijah	A147/OL/20753/2012	Proposal development stage

MSC THESIS EXAMINATION (Total 7)

1. Serah Wairimu Kimaru. July 2011. MSc Env. Studies thesis 'Enhancing communication for effective dissemination of soil fertility management in the central highlands of Kenya'. August, 2011.

2. Allain Ndoli. October, 2012. MSc ISFM ' effect of tithonia biomass and mineral fertilizers on soybean performance with the Gatumba mining degraded soils of Rwanda.
3. Nadia Musaninkindi. January 2013. MSc ISFM. Effect of cattle manure, mineral fertilizer and rhizobial inoculation on climbing beans production and soil properties changes in Burera District Rwanda.
4. Adam Ibrahim Mohammed. Jan 2014. MSc Land and Water management. Assessment of Irrigation water quality and soil properties on horticultural crops production in Alhegaina, North Kordofan state – Sudan.
5. Jossias Mateus Matusso. Jan 2014. MSc ISFM "effects of Maize Soybean intercropping patterns on yields and soil properties in two contrasting sites of Embu and Meru counties, Kenya.
6. Janvier Bashagaluke Bigabwa – MSc ISFM thesis ' Validation of Infrared scanning as a novel approach of soil characterization in the east DRC'. January 2013

7.0 CONFERENCES / SEMINARS /WORKSHOPS

(a) Participation in Workshop / Conference

1. 21-24th May 2013. Training of Trainers (TOT) workshop on HIV Mainstreaming and integration into curriculum, at the Business and Students Services Centre, Kenyatta University (see attached certificate of participation).
2. 3rd RUFORUM Biennial Conference. 24 – 28 September 2012. Entebbe, Uganda.
3. ISFM conference, Safaripark Hotel, Nairobi – 22 to 26th October 2012.
4. 1-3 August 2011 – AGRA's Sol Health Grantees Curriculum Review Workshop – held at the Southern Sun Hotel, Nairobi.
5. RUFORUM M&E Regional Scoping Workshop. THEME: Strengthening Capacity for Monitoring and Evaluation of Agricultural Training and Research in Eastern, Central and Southern Africa. Silver Springs Hotel Kampala, Uganda 20th-22nd July 2011.
6. April (11-25), 2011 – Farmer Voice Radio sponsored workshop for extension interns at the Business Centre KU.
7. Mentors workshop, KU - August, 2010 –at the Business and Students Centre.
8. 2ND RUFORUM Biennial Regional Capacity Building Conference, 20-24 SEPTEMBER, 2010, Entebbe Uganda
9. 2-6th November 2009 – module writing training workshop. Institute of Open, Distance and E-learning, Kenyatta University. Students Computer centre, KU.

(b) Presentation of Papers

1. Olive Tuyishime, **Benjamin Danga**, Charles Karemangingo, Jean de Dieu Habimfura and Guillame Uwayo. **2012**. Bio-slurry and inorganic fertilizers effects on soil properties and maize yield in Rwanda. A paper presented at *the Integrated soil fertility management Conference: From Microbes to markets, Safaripark Hotel, Nairobi, Kenya (22 to 26th October 2012)*.
2. Onyango M.A., **Danga B.O.**, and M. Odendo (**2012**). Effect of Inoculation, Lime and Inorganic fertilizer on Soil properties, **Soybean and Maize Yields in** Western Kenya – paper presented at the ISFM conference at the Windsor Hotel, Nairobi (June 4-8, 2012).
3. Tuyishime O., **Danga, B.O.**, and C. Karemangingo. 2012. Bio-slurry and inorganic fertilizers effects on soil properties and maize yield in *Musanze district*, Rwanda. A poster paper presented at *the AGRA workshop 4-8 June 2012, Windsor Hotel, Nairobi*.
4. Mochoge, B. E., **Danga, B.O.**, Kironchi, G. and Kibunja, C. **2012**. Improving water

- storage in soils to enhance nutrient use efficiency and crop yields for enhanced livelihoods of small scale farmers in semi-arid eastern Kenya. A paper presented at the 3rd RUFORUM Biennial Regional Conference, 24 - 28 September 2012, Entebbe, Uganda. Theme: *Partnerships and Networking for Strengthening Agricultural Innovation and Higher Education in Africa.*
5. Openda, G.S., Mochoge, B.E. and **Danga, B.O.** 2012. Improving maize-beans yields through improved soil moisture storage using trapezoidal bunds and manure in Machakos County-Eastern Kenya. A paper presented at the 3rd RUFORUM Biennial Regional Conference, 24 - 28 September 2012, Entebbe, Uganda. Theme: *Partnerships and Networking for Strengthening Agricultural Innovation and Higher Education in Africa.*
 6. Mbaluka, L.T. and **Danga, B.** 2012. Effects of organic residues type and placement on maize yields in Machakos, Kenya. A paper presented at the 3rd RUFORUM Biennial Regional Conference, 24 - 28 September 2012, Entebbe, Uganda.
 7. Danga B.O. April, 2011. Methods of extension education. A paper presented at the Farmer Voice Radio sponsored workshop for Kenyatta University extension interns at the Business and Students Centre, Kenyatta University.
 8. Titus Mbaluka, **Benjamin O. Danga***¹, and Jayne Mugwe¹ 2010. Organic Resources management effects on Carbon Sequestration, Soil-N Dynamics and Maize Yields in Machakos, Kenya. A paper presented at the 2nd RUFORUM Biennial Regional Capacity Building Conference, 20-24 SEPTEMBER, 2010, Entebbe Uganda.

(c) Convening and Coordinating Conferences / Workshop

- 8th to 11th August, 2010 – Convened and coordinated a 4-day workshop on Bsc and MSc Agricultural Education and Extension Curriculum Development at the Panorama Hotel, Naivasha. Workshop for the academic programs was sponsored by the Farmer Voice Radio (FVR) Project of Kenyatta University. (Chair of sessions/ principal organizer).
- 11th July 2013 – convened stakeholders sharing workshop for the Katito WVK ADP program evaluation in Katito town, Nyakach District.
- 2010 - End term evaluation feedback workshop /seminar for the Makueni ADP, Acacia Hotel, Wote Town, Kenya. World Vision, Makueni.

8.0 RESEARCH AND PUBLICATIONS

8.1 Articles in Refereed Journals (13 articles since last appointment)

Joint publications

1. **Danga, B.O.**, Aviva Hadas; Wakindiki, I.I.C., Ouma, J.P. and Bar-Tal, A. (Dec 2013). Chickpea residue properties controlling decomposition dynamics and nitrogen availability in some tropical acid soils. *South African Journal of Plant and Soil*. Vol30 (4): 203-212
2. Afullo, A.O., and **Danga, B.O.** 2013 (July 2013). The Mythical nature of MDGs to Kenya's Arid and semi-arid lands. 36th International WEDC conference proceedings, Loughborough University, July 2013. Full refereed paper 1621. Also Abstract refereed paper 1621, page 4.
3. Afullo, A.O., and **Danga, B.O.** 2013 (June, 2013). Are The Water Trips In The Dryland Kenya For Sustainable Development, Journeys In Vain Or TRIPS TO OBLIVION. *Ethiopian Journal of Environmental Studies and Management Vol. 6 (3):232-241.*
4. Afullo, AO and **Danga, B.O.** 2013. (June, 2013). Sanitation Access and Progress towards Achieving MDG7 by Kenya's Arid and Semi-Arid Land Households. *Journal Of Applied*

- Sciences In Environmental Sanitation (JASES).- Volume 8 Number 2 Page: 113-118. June 2013.
5. Afullo, A.O., and **Danga, B.O.** 2013 (March 2013). The Applicability of NIMBY and NIMTO Syndromes, and willingness and ability to pay for Improved Solid Waste services among Nairobi Households. *International Journal of solid waste management and technology*, Widener University, PA, USA, March 2013. IJSWMT: March Issue, 2013:1329-1345.
 6. Afullo, A.O., **Danga, B.O.**, and Odhiambo Frank. 2013. Implications of time to water source on water use in the arid and semi-arid land (ASAL) counties of Kenya. *International journal of water (inderscience)*. In press. Accepted in march 2013, on-line abstract available on <http://inderscience.com/info/ingeneral/forthcoming.php/jcode=ijw>
 7. Afullo, A.O., and **Danga, B.O.** 2013 (March 2013). Urban poor's financial and moral support for better garbage management in Nairobi, Kenya. *Environmental health insights*. Accepted in March, 2013.
 8. Wakindiki, I.I.C. and **Danga, B.O.** (2011). Effect of straw mulch application on nutrient concentration in runoff and sediment in a humid region in Kenya. *African Journal of Agricultural Research* 6: 725-731
 9. **Danga, B.O.**, Ouma, J.P., Wakindiki, I.I.C. and Bar-Tal, A. (2010). Chickpea - Wheat Rotation for Higher Production in a Humid Tropical Region. *Agron J.* 102:363-371.
 10. **Danga, B.O.**, and Wakindiki, I.C. 2009b (Dec 2009). Effect of placement of straw mulch on soil conservation, nutrient accumulation, and wheat yield in a humid Kenyan highland. *Journal of Tropical Agriculture* 47 (1-2): 30-36
 11. **Danga, B.O.**, J.P. Ouma, I.I.C. Wakindiki and A. Bar-Tal. 2009a (June, 2009). Legume-Wheat Rotation Effects on Residual Soil Moisture, Nitrogen and Wheat Yield in Tropical Regions. *Advances in Agronomy J.* 101: 315-349.

With Students

12. Benvindo S.V., **B.O. Danga** and J. N. Mugwe. 2013a. (Feb 2013) The Effects of Manure, Lime and P Fertilizer on N Uptake and Yields of Soybean (*Glycine max (L.) Merrill*) in the Central Highlands of Kenya. *Journal of Environmental Science and Engineering B* 2 (2013) 111-116. (published Feb 20, 2013).
13. Verde, Benvindo Serafim*, **Danga, Benjamin Oginga** and Mugwe, Jayne Njeri. 2013 (sept). Effects of manure, lime and mineral P fertilizer on soybean yields and soil fertility in a humic nitisol in the Central Highlands of Kenya. *International Journal of Agricultural Science Research* Vol. 2(9), pp. 283-291, September 2013.

8.2 Articles in Conference Proceedings

1. Afullo, A.O., and Danga, BO. 2013. The mythical nature of MDG7 to Kenya's arid and semi-arid lands. Paper presented at the 36th WEDC International Conference, Egerton University, Nakuru, Kenya, July 1-5, 2013. Egerton, Njoro Kenya.
2. Afullo, A.O., and Danga, BO. 2013. The Applicability of NIMBY and NIMTO Syndromes, and willingness and ability to pay for Improved Solid Waste services among Nairobi Households. 28th International conference on solid waste technology and management. Radison Plaza Hotel, Downtown Philadelphia. 9th – 13th March, 2013.
3. Augustine Afullo and Benjamin Danga. 2013. Improved Solid Waste Management among Nairobi Households. Paper presented in the 28th International Conference on Solid Waste Technology and Management, Philadelphia, PA, USA. March 10-13, 2013.

4. Mochoge B.E, and Danga B.O. (2011). Improving soil nutrients and water management to increase crop yields for enhanced livelihoods of small scale farmers in semi-arid eastern Kenya. Paper presented for Egerton University journal
5. Wakindiki I.I.C and Danga, B.O. 2009. Nutrient loss and accumulation following straw mulch application using different methods in a humid region in Kenya. Paper presented at the 5th Conference of the Africa Soil Science Society, ASSS, 22 - 28 November 2009, Yaoundé – Cameroon
6. Afullo, A. O., and B.O. Danga. 2009. Water use efficiency in the West Kenya irrigation schemes. Programs and Abstracts. Theme: Climate change, Environment and health. In Transactions of 3rd East African Health and Scientific Conference at the KICC, Nairobi, 25th to 27th March, 2009.
7. Bar-Tal, A., Danga, B.O., Minz, D., Wakindiki, I.I.C., Ouma, J.P., Kautsky, L., Suryano, S., and A. Hadas. 2006. The effects of soil pH and microorganisms source on N mineralization and nitrification. Soil science abstract 16647. In Transactions of the 18th World Congress of Soil Science 9th – 15th July 2006, Philadelphia, Pennsylvania, USA. 138-81.
8. Danga, B. O., Bar-Tal, A., Minz D., Wakindiki, I.I.C., and Ouma, J.P., 2007. Does the microorganism source affect the N mineralization and nitrification rates under different soil pH.? In Proceedings of the 24th SSSEA on Improved Livelihood through Applied Soil Science and Land Management. Izaac Walton Inn, EMBU 26-30 NOV 2007. Abstract No. 26
9. Danga, B. O., Bar-Tal, A., Wakindiki, I.I.C., Ouma, J.P., and Hadas, A., 2007. Inorganic N availability and the kinetics of decomposition of two chickpea residues in two acidic soils from Kenya, estimated through simulation with NCSOIL. In Proceedings of the 24th SSSEA on Improved Livelihood through Applied Soil Science and Land Management. Izaac Walton Inn, EMBU 26-30 NOV 2007. Abstract No. 44.

8.2 Books

1. Wakindiki, I.C., **Danga**, B.O., and Ben-Hur, M. (2010). Indigenous soil and water conservation techniques on smallholder farms in Africa. *In: Agriculture in arid and semiarid zones: Soil, water, and environmental aspects (M. Ben-Hur ed.), Research Signpost, India.*
2. Augustine Afullo and **Benjamin Danga**. 2014. Comprehensive Agriculture Resource Book. Some Possible Ways Out of the African Hunger Crisis. For colleges, Universities, and high schools in Eastern and Southern Africa. WAMRA TECHNOPRISES, Nairobi Kenya. ISBN 9966 7205-4-5.

9.0 NETWORKING AND COLLABORATION WITH EXTERNAL ORGANIZATIONS

- 2009 - Founding Team member – KU-AGRA MSc Training program in ISFM
- 2011 – Collaboration with KARI (Katumani) for Msc Research training – I attached 2 MSc students for Research training (Bernard Omayio MONGARE -A147/21073/2010 and Jared Odoyo Malela A147/CE/23458/2010) at Katumani and Makweni. Worked with Kizito Kwena, senior Research officer, KARI
- 2011 – Networking and Collaboration with ICRISAT (Dr **K.P.C. Rao**, Principal Scientist)- attached One Msc student in ISFM (Ms Lucy Wangui Ngugi – A148/20169/2010) – did research at Katumani and Makueni under Dr Rao.
- 2010 – RUFORUM – as PI.

- 2013 – participated in baseline survey (of sand dams and ROIs) by ICRAF and Global Knowledge initiative at Kitui county.

10.0 EXTERNAL AND INTERNAL GRANTS

1. 2013 – 2015. AU Funded Project. EURO 550,000. Developing decision support simulation tools based on scientifically validated indigenous/traditional and conventional knowledge for increasing agricultural production and food security in Africa in the context of a changing climate. 10th European Development Fund. The African Component of the ACP Research Programme for Sustainable Development (Co-funded with DUT, Mauritius University, and Botswana College of Agriculture).
2. 2010 – 2013 – RUFORUM Graduate Research Grants - USD 59,885. Effects of organic residues type and placement on carbon sequestration, nutrient availability in soil and maize yields in machakos county, Kenya. Funded by RUFORUM.
3. 2010 – 2012. RUFORUM Graduate Research Grants - USD 60,000. Improving Soil nutrients and Water management to increase crop yields for enhanced livelihoods of small scale farmers in Semi-arid eastern Kenya. Co-PI with Prof Benson Mochoge.
4. 2010-2013 – AGRA Project. USD 715,000. KU-AGRA Regional Masters Training Program in Integrated Soil Fertility Management (ISFM) Funded by AGRA.
5. 2009-2010 - NCST - Ksh.1, 646,000/-. Rain Water Harvesting, use of manure and fertilizers in Maize-cowpea intercrop production on smallholder farms in semi-arid parts of Kenya. Co-PI with Prof Mochoge Benson.

11.0 LOCAL, REGIONAL & INTERNATIONAL APPOINTMENTS

11.1 External examiner in other universities – None

11.2 Review of Professional Periodicals

- 2013- Reviewer of South African journal of Plant and Soil 2013
- 2013 – Journal of Arid Environments (JAE) – Title “Impacts of Sand Dams on Gender and Rural livelihood in Kitui, Kenya”

11.3 Being invited to conference as a Guest Speaker

- Guest speaker on "the Role of CAAP and COMESA in the conference on Strategic Agricultural and Food Shortage Solutions for Africa" 26th – 28th March 2012, JB BELMONT HOTEL, Dar-Es-Salaam, Tanzania.

11.4 Appointment to Boards

- 2004 – to date – Appointed member of Board of Governors, Ndigwa secondary school for a period of 3 years.
- Board member Ndigwa secondary school 2004 – 7
- Board member Ndigwa secondary school 2010

12.0 RECOGNITION / AWARDS

- Ranked Number 10 – Kenyatta University staff Performance Contracting, 2012/13 year
- Reviewer of South African journal of Plant and Soil 2013
- Board member, Ndigwa secondary school
- Best Agriculture Results – PTE exams 2004.
- Certificate of merit – by Bondo District Education Board – Excellent Agriculture Tutor

- Certificate of Merit – by Bondo Teachers College – Exemplary performance 1999 PTE exams (agriculture).
- Certificate of Merit – by Bondo Teachers College – in recognition of college's good performance in Agriculture PTE examinations, year 2012.
- Best 2003 PTE Exams Results

13.0 COMMUNITY OUTREACH

- Patron, Ramoya primary school.
- Chairman, Kogaja Community Development Association
- Director, Kanyojero Moyie Development Association, Uyoma.
- 2010 October, Invited by Siaya KUPPET to give motivational speeches to KCSE candidates in 6 secondary schools in Siaya County (Ramba, Chianda, Nyamira, Ndigwa, Nyakongo, Makasembo secondary schools).
- Farmer Voice Radio – Facilitation of Agricultural Radio interns 11-15 April, 2011 - (see certificate attached).
- Katito WVK ADP. Feb 2013. – Convened workshop for the training of data enumerators and project evaluation.
- 2010 - End term evaluation feedback workshop /seminar for the Makueni ADP, Acacia Hotel, Wote Town, Kenya. World Vision, Makueni.

RECENT CONSULTANCY (for promotion of community advancement)

1. February, 2013. End of Phase Evaluation for World Vision's Katito Integrated Program Area (IPA). (Feb 18th to 28th 2013)
2. December, 2012 – Evaluation of the Dadaab WASH emergency response Project. End of Project evaluation. (15-24th Dec 2012).
3. October, 2012. Baseline survey for ChildFund Kenya's Rusinga Family Dev Fund and Kuria Child and Family Program.
4. July 2011 - End of Program Evaluation for Golbanti ADP, Tana Delta District. Projects include food security, education, sponsorship management, Health and HIV/AIDS, and sponsored by WV USA.
5. May 2011- Midterm Evaluation for Mutomo ADP. Projects Include WATSAN, food security, education, sponsorship management, Health and HIV/AIDS.

14.0 ACADEMIC LEADERSHIP

14.1 Development of teaching and academic programs

- May 2009 – Initiated, developed and implemented the following program
 - BSc Animal Production and Health management – for ARM Department – implemented 2010/11
 - Msc Land and Water management – implemented 2010 / 11
- August, 2010 – Initiated, developed and implemented the following program.
 - Bsc Agricultural Education and Extension – students admitted 2003/4 academic year.

14.2 Developing programs external to Kenyatta University – None

14.3 Initiating / Leading Research Project

- October 2010 – September, 2013 – Principal Investigator for Graduate Research Grants research project funded by RUFORUM titled "Soil properties effects and management of organic residues to improve C sequestration, reduce N losses and improve crop yields".
- August 2009 to Present - Deputy coordinator – KU-AGRA MSc training project. In-charge of students training, including attaching students to staff for research, and attaching them to external Research projects.
- 2013 – 2016 – Principal Investigator (KU component), AU collaborative research project, entitled "Developing decision support simulation tools based on scientifically validated indigenous/traditional and conventional knowledge for increasing agricultural production and food security in Africa".

15.0 OTHERS

15.1 Appointments (National, Regional, International) – None

15.2 Contribution To University Advancement

- Wrote proposal for training 15 MSc regional students in ISFM – funded by AGRA
- Help start the department of Agricultural resource management and its programs.
- 2012 / 13 academic year – to date: Appointed staff mentor by DVC Academic,
- Member, School farm committee
- Written 4 modules for ODEL. KCU 100, KRM 500, KRM 508, KRM 512.
- 2012 / 13 academic year – to date: Appointed staff mentor by DVC Academic for over 10 students from SAED

15.3 Membership of Professional Bodies

- 2013 -to date – Soil Science Society of East Africa.