

CURRICULUM VITAE: BENJAMIN O. DANGA

1. BIO DATA

Current Position	Senior Lecturer, Kenyatta University, Kenya.
Contacts	Department of Agricultural Science and Technology Kenyatta University P.O. Box 43844-0010, Nairobi. Email: danga.benjamin@ku.ac.ke . bodanga@gmail.com .

2. ACADEMIC QUALIFICATIONS

Qualification	Field of Specialization	University / Institution	Year
PhD	Soil Science / Soil Fertility, Soil Chemistry and Plant Nutrition	Egerton University / Institute of Soils and Water, Department of Soil chemistry and Nutrition, Volcani Centre, Bet Dagan, , Israel	2008
MPhil	M.Phil in Soil Science	Moi University	1996
BSc	Agricultural Education and Extension	Egerton University	1990

(b) Professional Courses and other certificates

Year / dates	Course / Certificate	Institution
2017	Risk based thinking course	SGS academy, held at KU, Nairobi
2011 (Feb 10 -11)	Results Based Monitoring and Evaluation	AGRA
2009 (17 th – 19 th June)	Environmental Management systems (EMS) Implementation training of ISO 14001:2004 Environmental management systems	Kenyatta University
November, 2009.	Module writing	Kenyatta University
2006	Modelling of Carbon and Nitrogen Turnover in Soil	The Institute of Soils and Water, The Volcani Center, ARO, Bet Dagan, Israel
2013 (21- 24 th May)	Training of trainers on HIV Mainstreaming& Integration into Curriculum	Kenyatta University (ACU 2 nd TOT Workshop)
2017. Aug 22-25	Certificate in Impact Assessment and Continuous Performance Management	Kenyatta University (University Management Training Workshop)

WORK EXPERIENCE

Serial Number	Position	Institution	From	To
1.	Chairman of Department	Department of Agricultural Science and Technology, Kenyatta University	October 2018	Date
2.	Chairman of Department	Department of Agricultural Resource	February 2017	September 2018

		Management, Kenyatta University		
3.	Staff mentor	KU	2017	2019
4.	Co-PI African Union Project on Developing Decision support simulation tools for improving African agricultural production and food security	Kenyatta University and Durban University of technology	2015	2017
5.	Senior Lecturer	Department of Agricultural Resource Management, Kenyatta University	March 2015	Date
6.	Appointed Deputy Coordinator , KU-AGRA ISFM MSc Training program (Regional Training program funded by AGRA)	Kenyatta University	2010	2015
7.	Lecturer, Department of Agricultural Resource Management, Kenyatta University	Kenyatta University	2009	March 2015
8.	Chairman, IBP Coordination committee, School of Agriculture and Enterprise Development (SAED)	Kenyatta University	2009	Date
9.	Examination Coordinator, Department of Agricultural Resources Management	Kenyatta University	2009	2012
10.	Senior Lecturer (Teacher Trainer)	Bondo Teachers Training College.	1996	2004
11.	Lecturer (Teacher training) in Agriculture	Asumbi, Tambach, and Mosoriot Teachers Training Colleges	1990	1996
12.	ISO Coordinator Department of Agricultural Resource management	Kenyatta University	2009	2012
13.	Chairman, Board of Undergraduate studies, ARM Department	Kenyatta University	2012	2017
14.	Year 1 students academic advisor, ARM department	Kenyatta University	2009	2018
15.	Part-time Lecturer: Great Lakes University of Kisumu (GLUK) – Nairobi Campus	2010 -2015 MSc Level: taught Food & nutritional security; Water supply and sanitation (WATSAN)	2009	2015
16.	Part-time Lecturer: JKUAT and Machakos University	Agricultural soil science, soil chemistry and plant nutrition	2011	2017
17.	Principal Investigator	RUFORUM Grant on MSc capacity building	2010	2013

		in agriculture and food security		
18.	Principal Investigator	AFRICAN UNION Grant on food security - Developing Decision support simulation	2015	Date
19.	External Examiner	Masinde Muliro University of science and technology. External Examiner, Department of sugar technology,	August, 2016 –	Date.

Completed POST GRADUATE SUPERVISION

PhD COMPLETED

	Name	Registration No.	Title of thesis	Year Graduated
1	Richard J. Osiyo	A99/24647/2011	Effects of <i>Tithonia diversifolia</i> biomass, and urea on soil N dynamics and maize yields, and pruning regimes on carbon sequestration in Kisumu county	2015
2	Mwende Ngie	A99/29362/2014	Enhancing dry land farming through integrated management practices for water conservation in semi- arid areas of Machakos County, Kenya.	2019

ON-GOING PhD students supervision

	Name	Registration No.	Title of thesis
1	Moses Daniel Nyongesa	A99/23109/2010	The Agronomic potential of fortified sugarcane trash compost treated with <i>Tithoniadiversifolia</i> and Mineral fertilizers for improving Sugarcane productivity
2	RizikiUmazi	A99/38062/17	Improving soil properties and growth of <i>Casuarina equisetifolia</i> through use of <i>Prosopisjuliflorabiochar</i> , manure and inorganic fertilizer in Kilifi county, Kenya
3	Gitore Selamawit Abebe	A99F/26501/2018	Evaluation of sweet potato genotypes for drought tolerance for farmers' adaptation to climate change impacts on crop production and food security in Wolaita zone Ethiopia.

COMPLETED MSc Supervision

	Name	Registration No.	Title of thesis	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	2013
2	Gitari Harun Ileri	A148/13220/2009	Lime and manure application to	2013

			acid soils and their effects on bio-chemical soil properties and maize performance at Kavutiri – Embu County.	
3	Olive Tuyisheme	A148EA/20181/2010	Effect of bio-Slurry and Urea Fertilizer on Soil Properties and Maize yield in Musanze District, Rwanda	2013
4	ArlindoMuambole	A103F/21175/2010	Effect of combining cattle manure and Inorganic P-fertilizer on soil properties and Maize yield in acidic Soils in Biera Corridor, Mozambique	2013
5	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	2013
6	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	2014
7	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	2014
8	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.	2014
9	Liliane SHUKURU BAHATI	A148F/21206/2012	Effects of Mycorrhizae and Rhizobia Inoculation on Phosphorus and Nitrogen Availability and Soybean Performance (Glycine Max, Var Sb24) in Walungu District, DR. Congo	2015
10	Onderi Josephine Nyabonyi	A147/OL/25246/2011	Suitability Assessment of effluents from Mwea Irrigation Scheme for Reuse in irrigation for rice production, Kirinyaga County, Kenya	2016
11	Benjamin Munganga Mubembe	A148F/29060/2014	Effect of selected integrated soil fertility management on soil chemical properties and cassava yield in south-Kivu, DR Congo	2019

12	Bernard Omayio	A147/21073/2010	Effect of seed priming on maize yields, nutrient and water use efficiencies in semi –arid Machakos and Makueni Counties, Kenya	2019

ON-GOING (MSc Supervision)

	Name	Registration No.	Title of thesis	Status
1	Jackson Muganda Nyongesa	A148/OL/KKA/26579/2014	Effect of <i>tithonia</i> biomass and phosphorus on soil properties and maize-beans intercrop yield in smallholder farms in Mumias, Kakamega county	
2	Stephen Wanjala Wamalwa	A148/OL/CTY/26884/2014	Assessing the effects of integrated soil fertility management practices on soil nutrients and maize yields using a land scape approach	
3	Kaburu Fabian	A 147/OL/CTY/26924/2014	Effect of irrigation management and nitrogen levels on water use efficiency, quality and yield of green house lettuce (<i>Lactuca sativa</i> L.) in peri-urban, Nairobi	
4	Desire Nduwimana	A148EA/OL/CTY/33422/15	Effect of Nitrogen Fertilizer on Maize Performance Soil N transformation and Use efficiency in smallholder farms in Rongo Lake Victoria catchment	
5	Jared Odoyo Malela	A147/CE/23458/2010	Effects of tied ridging and micro-dosing on maize and cowpeas yield in smallholder farms of semi arid eastern Kenya- a case study of Machakos and Makindu districts	
6	Leonard Leakey Ritei	A147/OL/CTY/24854/2014	Effect of conservation agriculture on water retention and maize yields in semi-arid, Kajiado county, Kenya	
7	Kinuthia Ruth Wanjiku	A147/23533/2013	Farmers Perceptions and Factors Influencing Uptake of Micro Basins and Trenches in Agroforestry Trees Establishment in East Shewa Zone, Ethiopia	
8	Silas otieno Asaka	A147/OL/21649/2012	The effects of Prosopis Biochar on Soil Properties and Tomato Yield in Dadaab, Garissa County	

MSc THESIS EXAMINATION

1. SerahWairimuKimaru. July 2011. MSc Env. Studies thesis 'Enhancing communication for effective dissemination of soil fertility management in the central highlands of Kenya'. August, 2011.
2. AllainNdoli. October, 2012. MSc ISFM.Effect of tithonia biomass and mineral fertilizers on soybean performance with the Gatumba mining degraded soils of Rwanda.
3. Njuguna Jonathan Chege – December, 2013. MSc Thesis 'Analysis of Run-off and plant nutrient drain from four vegetation types in south Kinangop forest (Aberdare catchment) Nyandarua county.
4. Nadia Musaninkindi. January 2013. MSc ISFM. Effect of cattle manure, mineral fertilizer and rhizobial inoculation on climbing beans productionand soil properties changes in Burera District Rwanda.
5. 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.
6. JossiasMateusMatusso. 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.
7. JanvierBashagalukeBigabwa – January 2013. MSc ISFM thesis ' Validation of Infrared scanning as a novel approach of soil characterization in the east DRC'.
8. JoasTugizimana – June 2015 – Msc thesis entitled 'Effects of Soil and Water Conservation Techniques on Soil Productivity and Bean Yield inNyamasheke District, Rwanda.
9. Moses MuriukiKarugi. February 2017. Thesis Title: Effects of Human Activities on Wetland Hydrology in EwasoNarok Wetland Laikipia County, Kenya.
10. Mariba John Maroa. June 2017. MSc project report entitled 'Socio Economic Attributes Hindering Adoption of Alternative Crops to Tobacco Farming in Kehancha Division Kuria West Sub County, Kenya.
11. Shikuku Evans Tsabuko. Dec 2017. Thesis entitled 'Stream Flow Responses to Land Use / Land Cover changes in Kimondi Watershed, Yala River Basin, Nandi County, Kenya.
12. Peter O. Ouma, Aug. 2016. PhD Thesis title 'Agricultural Extension Service Providers Attitude towards Use of Agrochemicals for Attainment of Sustainable Agriculture inMigori County Kenya.
13. Anyang Robert Tabot, Aug.2014. Msc Agronomy Thesis.. Title 'Effects of varietal differences, plant spacing, and weed regimes on weed density and yields of upland rice in Uganda.
14. Wanjala Justus Khamala, 2014. Aug. Masters Of Education Thesis entitled 'Factors Affecting Maize Farmers Participation in Agricultural Extension Education: A comparison of farmers in Turkana and UasinGishu counties, Kenya
15. Noel Mulinganya. May 2016. Msc Thesis Title: Rhizobia Inoculation Combined With Organic and Inorganic Fertilizer Amendments Effects On Nitrogen Fixation And Yields of Beans In South Kivu DRC
16. Ndungu Albert Mwaniki. Jan. 2018. Msc Thesis Title: Effects of Inoculation and Phosphorus Levels on Soybean (*Glycine Max.* Merrill) Yields and Selected Soil Properties In Embu County Kenya
17. Julita KhainjaWamalwa. August 2016. MMUST Thesis Title: Adoption of Information and Communication Technologies in Artificial Insemination For Dairy Farming in The Greater Lugari Sub county of Kakamega County, Kenya.

Publications in Refereed Journals and Books

1. Onyango A.M., Danga B.O. and Odendo M. 2018. Agronomic and economic Performance of Maize-Soybean Intercrop under Rhizobia and Soil Amendments in Western Kenya. *Journal of experimental agric international*. 27(6): 1-9.
2. Benvindo S. Verde, **Benjamin O. Danga**, Jayne N. Mugwe. 2018. Interactive effect of goat manure, phosphate fertilizer and lime on soil fertility in Embu County, Kenya. *Discovery Agriculture*, 2018, 4, 1-8.
3. H.I. Gitari., B.E. Mochoge and B. O. Danga. 2017. Effect of lime and goat manure on soil acidity and maize (*Zea mays*) growth parameters at Kavutiri, Embu County- Central Kenya. *J. Soil Sci. Environ. Manage.* Vol.6 (10), pp. 275-283, October 2015.
4. Augustine Afullo and Benjamin Danga. May 2014. *Comprehensive Agriculture Resource Book (Full colour Version)*. <https://www.createspace.com/>. WAMRA TECHNOPRISES. ISBN/EAN13: 499 pgs.
5. Augustine Afullo and Benjamin Danga. Feb 2014. *Comprehensive Agriculture Resource Book* <https://www.createspace.com/>. WAMRA TECHNOPRISES. ISBN/EAN13:9966-7205-0-2 499 pgs
6. Benvindo S. Verde, **Benjamin O. Danga**, Jayne N. Mugwe. 2014 (Jan). Soil microbial biomass changes with application of organic and inorganic in acid soil in Embu County, Kenya. *Scholarly Journal of Agricultural Science* Vol. 4(1), pp. 27-31 January, 2014.
7. Afullo, A.O., **Danga, B.O.** and Odhiambo, F. (2014) 'Implications of time to water source on water use in the arid and semi-arid land counties of Kenya', *Int. J. Water*, Vol. 8, No. 4, pp.381-400
8. **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
9. 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).
10. 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.
11. 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.
12. 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.
13. 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.
14. 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 humicnitisol in the Central Highlands of Kenya. *International Journal of Agricultural Science Research* Vol. 2(9), pp. 283-291, September 2013.
15. 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>
 16. 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.
 17. 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
 18. **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.
 19. **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
 20. **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.
 21. AthanaseNduwumuremyi, **Benjamin O.Danga**, Vicky Ruganzu, Muasya Rueben. 2011. Evaluation of different local lime sources on soil properties and yield of Irish potatoes (*Solanumtuberosum L.*) in Burera District, Rwanda. Abstract ID: IeCAB011_426. 4th International e-Conference on Agricultural Biosciences 2011. Proceedings published at <http://www.m.elewa.org/econferenceIeCAB.php>

CONFERENCES / SEMINARS /WORKSHOPS

(a) Participation in Workshop / Conference

1. 3-5th December, 2018. International conference on water security and climate change, the School of Monetary studies, Nairobi.
2. November 22, 2018. Enable Horticulture Project, "Enhancing Agribusiness, livelihoods and Environment through better management of pests and diseases of horticultural crops". Stakeholders' consultation Workshop. Kenyatta University BSSC 14.
3. February 2017. Effect of tied ridges, fertilizers and seed priming on soil moisture content and maize yield in semi-arid areas of machakos county, Kenya. A paper presented at the February 2017 Egerton University Annual Agric Conference
4. Nov 29 – dec 2nd, 2016. Second SAED biennial international conference. BSSC, KU, Nairobi
5. 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).
6. 3rdRUFORUM Biennial Conference. 24 – 28 September 2012. *Entebbe, Uganda*.
7. 22 - 26th October 2012 ISFMin Africa conference, Safari park Hotel, Nairobi – 22 to 26th October 2012.
8. 1-3 August 2011 – AGRA's Sol Health Grantees Curriculum Review Workshop – held at the Southern Sun Hotel, Nairobi.
9. 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.

10. April (11-25), 2011 – Farmer Voice Radio sponsored workshop for extension interns at the Business Centre KU.
11. Mentors workshop, KU - August, 2010 –at the Business and Students Centre.
12. 2NDRUFORUM Biennial Regional Capacity Building Conference, 20-24 SEPTEMBER, 2010, Entebbe Uganda
13. 2-6th November 2009 – module writing training workshop. Institute of Open, Distance and E-learning, Kenyatta University. Students Computer center, KU.

UNIVERSITY LEVEL COMMITTEES

1. 6th Dec 2018. Advisory committee on maximum utilization of space and facilities at Kitui campus.
2. 6th Aug, 2018. Appointed to Committee to spearhead the transfer of the school of agriculture and enterprise development to kitui campus
3. Member local organizing committee for Co-hosting RUFORUM Biennial conference. The 6th African Higher Education week and ruforum biennial conference 22 -26 October 2018, KICC Nairobi, Kenya. Theme “Aligning African Universities to support profit driven agriculture and sustainable development”.

(b) Conference Presentation of Papers

1. Mwendu N and Danga B.O 2017. Effect of tied ridges, fertilizers and seed priming on soil moisture content and maize yield in semi-arid areas of Machakos County, Kenya. A paper presented at the February 2017 Egerton University Annual Agricultural Conference
2. Afullo, A.O., and Danga, B.O. 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.*
3. Benvindo S. Verde, Benjamin O. Danga, and Jayne N. Mugwe. 2014. Interactive Effect Of Goat Manure, Phosphate Fertilizer And Lime On Soil Fertility In Embu County, Kenya. SAED biennial international conference.
4. Afullo, A.O., and Danga, B.O. 2013. The Applicability of NIMBY and NIMTO Syndromes, and willingness and ability to pay for Improved Solid Waste services among Nairobi Households. *A paper presented at the 28th International conference on solid waste technology and management. Radison Plaza Hotel, Downtown Philadelphia. 9th – 13th March, 2013.*
5. 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.*
6. Mbaluka, L.T. and Danga, B. 2012. Effects of organic residues type and placement on maize yields in Machakos, 1713 Kenya. *Third RUFORUM Biennial Regional Conference. 24 - 28 September 2012, Entebbe, Uganda. Partnerships and Networking for Strengthening Agricultural Innovation and Higher Education in Africa*
7. Olive Tuyishime, **Benjamin Danga**, Charles Karemangingo, Jean de Dieu Habimfura and Guillaume 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).*
8. 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).

9. 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*.
10. 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*.
11. 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*.
12. 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*.
13. Athanase Nduwumuremyi, **Benjamin O.Danga**, Vicky Ruganzu, Muasya Rueben. 2011. Evaluation of different local lime sources on soil properties and yield of Irish potatoes (*Solanum tuberosum L.*) in Burera District, Rwanda. Abstract ID: IeCAB011_426. 4th International e-Conference on Agricultural Biosciences 2011. Proceedings published at <http://www.m.elewa.org/econferenceIeCAB.php>
14. 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.
15. 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.
16. 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
17. 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*.
18. 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.
19. 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*

Other Conference, Workshops and Seminars Presented

Danga,	PhD graduands 2018	Kenyatta University	37 th Postgraduate seminar
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B.O	seminar. Demand-driven education and research for innovation and industrialization		for PhD graduands. Theme; Demand-driven education and research for innovation and industrialization, graduate school building, Ku. Chairman session II.
Afullo and B Danga	The mythical nature of MDGs to Kenya's Arid and semi-arid lands	Water and sanitation for uncertain environments, Egerton university, Kenya	36 th international WEDC conference proceedings, Loughborough University July 2013
Afullo A and B Danga	The Applicability Of NIMBY And NIMTO Syndromes, Willingness And Ability To Pay For Improved Solid Waste Management Among Nairobi Households'	Radisson Plaza Hotel, Downtown Philadelphia	The 28th International Conference on Solid Waste Technology & Management
Danga B and afullo A	Baseline Survey Feedback Workshop/Seminar For The Bamba Integrated Program Area (Ipa), Kilifi	Pwani University College, Kilifi	World Vision, Bamba.
Danga B and Afullo A	Baseline Survey Feedback Workshop/Seminar For The Matete Integrated Program Area (Ipa), Webuye	MateteUrafikiCbo Centre	World Vision, Matete.
Danga B and Afullo A	End-Term Evaluation Feedback Workshop/Seminar For The Makueni Area Development Program (ADP),	Acacia Hotel, Wote Town	World Vision, Wote.
Afullo A and Danga B	Baseline Survey Feedback Workshop/Seminar For The Orwa Integrated Program Area (IPA), Turkwel	Marich Pass, Pokot	World Vision, OrwaIpa.
Danga B and Afullo A	Water Use Efficiency In West Kenya Irrigation Schemes	3 rd East African Health and Scientific Conference, Theme: Climate Change, Environment and Health. At KICC, Nairobi, Kenya	Self Sponsored

Other university Assignments

1.	2016	Masinde Muliro University of Science and Technology	External Examiner, Department of Sugar Technology – SAVET	Student script examination and results moderation
2.	2017	Masinde Muliro University of Science and Technology	External Examiner, Department of Sugar Technology – SAVET	Student script examination and results moderation

Funded PROJECTS

S/ NO	RESEARCHER PRINCIPAL INVESTIGATOR	YEAR	TITLE	GRANTING BODY	FUNDING (US\$)
1.	Dr Benjamin Danga with Prof Kevin Duffy (PI), Durban University of Technology, and others University of Mauritius, Botswana College of Agriculture, Botswana	2015 /17	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	AFRICAN UNION	EUR 550,000
2.	Dr Benjamin Danga	2010-2014	Masters Training Programme In Integrated Soil Fertility Management	AGRA	USD 715,697
3.	Dr. Benjamin Danga	2010-2013	Soil properties effects and management of organic residues to improve C sequestration, reduce N losses and improve crop yields	RUFORUM	USD 60,000
4.	Asher Bar-Tal and Isaiah Wakindiki	2003-2006	USAID; Bureau for Global Programs, Field Support and Research; Centre for Economic Growth through a collaborative development research (CDR) between Egerton University and The Institute of Soils, Water and Environmental Sciences, ARO Israel	USAID	
5.					

**COMMUNITY WORK, CONSULTANCY AND CAPACITY BUILDING SESSIONS
CONDUCTED ON INTEGRATED PROGRAMS (16)**

S/ NO	YEAR	TASK	TITLE	DONOR
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	Dec 2017	Baseline Survey	Strengthening the competitiveness of the cassava value chain in Kenya (KF1) Project – covering 7 counties of Kilifi, Kitui, Kisumu, Siaya, Busia, Homabay and Migori.	SHA - Self Help Africa (SHA) and partners
1.	2013	End of phase evaluation	Changamwe ADP (Mombasa county, Coast province, Kenya)	World Vision-Korea
2.	2013	End of phase Evaluation	Katito ADP (Kisumu County, Kenya)	World Vision-USA
3.	2012	End of emergency program evaluation	Dadaab emergency WASH intervention program, Northern Kenya)	World Vision-
4.	2012	Baseline Survey	Rusinga Island and Kuria, Nyanza province, Kenya)	Childfund international
5.	2012	Terminal / End of program evaluation	Voi ADP, TaitaTaveta County	World Vision
6.	2011	End of program Evaluation	Golbanti ADP (Garsen, Tana Delta county, Coast province, Kenya)	World Vision-USA
7.	2011	End of phase evaluation	Soweto ADP (Embakasi, Nairobi County, Kenya)	World Vision-USA
8.	2011	Baseline Survey	Kenyenya district, Rongo District and North Rachuonyo district, Nyanza province, Kenya	Childfund international
9.	2011	End of phase	Mutomo IPA (Kitui, Eastern Kenya)	World Vision-USA
10.	2010	Baseline Survey	Integrated Baseline Survey For The World Visions' Matete IPA (Lugari / Webuye, Western Province)	World Vision
11.	2009	Baseline Survey	Orwa IPA (West Pokot County)	World Vision
12.	2009	Baseline Survey	Mogotio IPA, Baringo County	World Vision-Finland
13.	2009	End of program (Terminal) evaluation	Makueni ADP, Kathonzweni	World Vision
14.	2008	Mid-term evaluation	Ndabibi ADP, Naivasha, Nakuru County	World Vision
15.	2008	Mid term	Voi ADP, TaitaTaveta County	World Vision