

UNIVERSITY OF NAIROBI
College of Agriculture and Veterinary Sciences
DEPARTMENT OF PLANT SCIENCE AND CROP PROTECTION

I. INTRODUCTION

The Department of Plant Science and Crop Protection started as two departments, Department of Crop Production and Department of Applied Science in the Faculty of Agriculture in 1970/71 within the College of Agriculture and Veterinary Sciences (CAVS) in the Upper Kabete Campus. The two departments were later re-organized and merged and renamed the Department of Crop Science. In 1997, the Department of Crop Science was split into two departments namely, Department of Crop Science and Department of Crop Protection. In 2005, the two departments were merged to form the Department of Plant Science and Crop Protection. After the merger, the department was re-organized into two sections; namely Crop Science and Crop Protection. The Crop Science Section is made up of the following units: Agronomy, Horticulture, Plant Breeding and Biometry. While the Crop Protection Section is made up of Plant Pathology and Entomology Units. The Department teaches most of the courses for the BSc Agriculture Programme offered by the Faculty of Agriculture. It offers a BSc course in Horticulture, Diploma in Crop Protection, Postgraduate Diploma in Phytosanitary Measures, certificate courses in Floriculture and Phytosanitary Measures and services 51 courses for different departments in the College of Agriculture and Veterinary Sciences (CAVS). The Department offers masters and PhD programmes in Agronomy, Plant Breeding, Plant Pathology, Crop Protection, Horticulture and Agricultural Resource Management.

The Department undertakes rigorous training for both Undergraduate and Postgraduate levels and conducts research geared towards solving national and international problems. The Department also undertakes consultancies, advisory services and encourages both national and international collaboration. The Department has strong linkages with national, regional and international research institutions and universities.

The department has qualified staff and thus able to deliver quality training and research in all areas of its mandate

II. PROGRAMMES OFFERED IN THE DEPARTMENT

A. DIPLOMA

Diploma in Crop Protection (2 years)

B. BACHELORS DEGREE

BSc Horticulture

C. POSTGRADUATE PROGRAMMES

The department trains students for Masters of Science and Doctor of Philosophy degrees in various fields of specialization

1. MSc. Agricultural Resource Management (Full time and ODL)
2. MSc. Crop Protection (Full time and ODL)
3. MSc. Plant Pathology (Full time)
4. MSc. Plant Breeding & Biotechnology (Full time)
5. MSc. Agronomy (Full time and ODL)
6. MSc. Horticulture (Full time and ODL)
7. MSc. Seed Technology and Business Management (Full time)
8. PhD Crop Protection
9. PhD Agricultural Resource Management
10. PhD Agronomy
11. PhD Horticulture
12. PhD Seed Technology and Business Management
13. PhD Plant Breeding & Biotechnology
14. PhD Plant Pathology

III. ENROLLED STUDENTS IN UNDERGRADUATE AND POSTGRADUATE PROGRAMMES

1.	Diploma in Crop Protection	-	18
2.	BSc. Horticulture	-	103
3.	MSc. Crop Protection	-	34
4.	MSc. Plant Breeding and Biotechnology	-	17
5.	MSc. Agronomy	-	25
6.	MSc. ARM	-	7
7.	MSc. Horticulture	-	12
8.	MSc Plant Pathology	-	15
9.	MSc Seed Technology & Business Management	-	3
10.	PhD Crop Protection	-	9
11.	PhD ARM	-	2
12.	PhD Horticulture	-	1
13.	PhD Agronomy	-	2
14.	PhD Crop Protection	-	9
15.	PhD Genetics and Plant Breeding	-	5
	Total no. of students		262

IV. INTERNATIONAL STUDENTS COMPONENT

The following is a tabulation of the international students at the Department of Plant Science as at Dec. 2018.

No.	Name	Admission No.	Postgraduate Programme	Year of Study	Country of Origin
1	Mukhtar Abdulahi Yalahow	A56/79735/2012	MSc Horticulture	4	Somalia
2	Achuoth James Makur	A56/68834/2013	MSc ARM	3	South Sudan
3	Maliha H.Z Saggaf	A56/67571/2013	MSc Crop Protection	3	Tanzania
4	Uzamushaka Seraphine	A56/77221/2015	MSc Agronomy	2	Rwanda
5	Bonane Christelle Sinza	A56/84296/2015	MSc Seed Technology and Business Management	2	Rwanda
6	Bryan Elwich John Denis	A56/81562/2015	MSc Plant Breeding	2	South Sudan
7	Katembo Kataliko Richard	A56/83098/2015	MSc Plant Breeding	2	Congo
8	Batumike Nshobole Ruphine	A56/83096/2015	MSc Plant Breeding	2	Congo
9	Malith David Maluk	A56/83099/2015	MSc Plant Breeding	2	South Sudan
10	Lado Lilian Kaku Angelo	A56/83095/2015	MSc Plant Breeding	2	South Sudan
11	Mondo Jean Mubalama	A56/89320/2016	MSc Plant Breeding	2	Congo
12	Mahad Abdiaziz Mohamed	A56/81502/2015	MSc Agronomy	2	Somalia
13	Kayira Godfrey Tiwonge	A56/81987/2015	MSc Agronomy	2	Malawi
14	Habineza Mpunga JeanPierre	A56/83043/2015	MSc Agronomy	2	Congo
15	Akili Martin Charles	A55/89087/2016	MSc Seed Technology and Business Management	1	Tanzania
16	Manyozo Fred N.	A56/87037/2016	MSc Horticulture	1	Malawi
17	Kamatenesi Jovia	A56/88226/2016	MSc Horticulture	1	Rwanda
18	Haswell Blair Dambolachepa	A56/87038/2016	MSc Crop Protection	1	Malawi
19	Matilda Mdyetseni	A56/87039/2016	MSc Crop Protection	1	Malawi
20	Pachi Emmanuel	A56/5857/2017	MSc Crop Protection	2	Tanzania
21	Mbarushimana Jean De Dieu	A56/88227/2016	MSc Agronomy	1	Rwanda
22	Riak Ayor Elizabeth	A56/89087/2016	MSc Agronomy	1	S. Sudan

23	Mondo Jean Mubalama	A56/89320/2016	MSc Plant Breeding	2	DRC
24	Aryemo Sunday Ocaya	A56/8077/2017	MSc Agronomy	1	S. Sudan
25	Moi Peter Elia	A56/7825/2017	MSc Agronomy	1	S. Sudan
26	Karama Oteaniel Akum	A56 /9296/2017	MSc Agronomy	1	Uganda
27	James Robert O. Hakim	A56/7827/2017	MSc Agronomy	1	Sudan
28	Kulimushi Matumwahirhi S.	A56/9227/2017	MSc. Plant Pathology	1	Congo
29	Gut Daniel Mabior	A56/8100/2017	M.Sc. Plant Pathology	1	S. Sudan
30	Taban James Francis	A56/9297/2017	MSc. Plant Breeding	1	S. Sudan
31	Mudde Barnabas	A80/90801/2013	PhD Crop Protection	3	Uganda
32	Ebanda Ondo Raphael	A80/51191/2016	PhD ARM	1	Cameron
33	Yohannes Tadesse	A80/50756/2016	PhD Plant Breeding	1	Eritrea
34	Nshimiyama Octave	A80/52125/2017	PhD Crop Protection	1	Rwanda
35	Waweru Bancy Waithira	A80/52123/2017	PhD Crop Protection	1	Rwanda

V. NUMBER OF GRADUATES PER PROGRAMME; PhD, MASTERS, BACHELORS, AND DIPLOMA.

Diploma in Crop Protection	-	6
BSc Horticulture	-	39
MSc. Crop Protection	-	4
MSc in Plant Breeding	-	1
MSc. Plant Breeding and Biotechnology	-	12
MSc. Agronomy	-	3
MSc. Agricultural Resource Management	-	1
MSc. Horticulture	-	2
MSc Plant Pathology	-	1
MSc Seed Technology and Business Management	-	3
PhD in Crop Protection	-	3
PhD in Genetics and Plant Breeding	-	1
Total no. of Graduands	-	76

VI. RESEARCH ACTIVITIES UNDERTAKEN IN 2018

1. Dr. D. Miano – Maize Lethal Necrosis project
2. Prof. Agnes Mwang'ombe - SEMIS project on seed processing

3. Prof. F. Olubayo – Propagation of *Melia volkensii*
4. Prof. Agnes Mwang'ombe and Dr. Dora Kilalo – Cassava project research
5. Prof. James Muthomi and Prof. F. Olubayo – AGRA funded capacity building project to train MSc students from South Sudan and D. R. Congo in Crop Protection, Plant Breeding and Agronomy
6. Prof. James Muthomi – Multi-purpose legumes project in collaboration with KALRO
7. Dr. F. Nzuve - Post-Doctoral Research on the “Management of Fall Armyworm on Maize through Host Plant Resistance and monitoring of the Pest Population Density
8. Dr. C.M. Onyango – Knowledge synthesis on precision agriculture in sub Saharan Africa. AgriFoSe2030 project.
9. Dr. C.M. Onyango – Scaling up soil carbon enhancement interventions for food security and climate across complex landscapes in Kenya and Ethiopia. BMZ project.
10. Dr. C.M. Onyango – Unravelling the causes and implications of crop productivity gaps in underperforming regions through integration of geospatial, biophysical and socio-economic factors. EU Grant.

VII. INTERNATIONAL LINKS AND COLLABORATIONS

1. University of Nairobi (SEMIs), CYIMMT, Alliance for Green Revolution Africa (AGRA) and Iowa State University, USA. Prof. Agnes Mwang'ombe, and Prof. Florence Olubayo.
2. UoN, University of Sydney The Australia Awards Africa fellowships in increasing the development impact of agricultural research. Prof. F. Olubayo and Prof. G. Chemining'wa

VIII. PUBLICATIONS

A. SCIENTIFIC PAPERS PUBLISHED

1. Onyango C.M., Kunyanga C.N., Karanja D.N. & Wahome R.E. (2018) Employer perceptions and attitudes agricultural university training in Kenya. International Journal for Innovation education and research.
2. Kariuki P.M., Onyango C.M., Lukhoba C.W. & Njoka J.T. (2018). The role of indigenous knowledge on use and conservation of wild medicinal food plants in Loita Sub-county, Narok County. Asian Journal of Agricultural Extension, Economics and Sociology 28 (2): 1-9.
3. Masaku M.K., Githiri S.M., Onyango C.M., & Masinde P.W. (2018). Genotypic variation of green gram accessions in the arid and semi-arid lands of Kenya. Journal of Agriculture and Ecology Research International. 15(2) 1-15.

4. Mutiso P.M., Kinama J.M., & Onyango C.M. (2018). Effect of in situ moisture conservation techniques on yield and water use efficiency of Pearl millet in Makueni, Kenya. *International Journal of Agronomy and Agricultural Research*. 12(6) 186-196.
5. Masaku M.K., Githiri S.M., Onyango C.M., & Masinde P.W. (2018). Evaluation of Agronomic performance of green gram accessions grown under reduced light intensity in the arid and semi-arid areas of Kenya. *International Journal of Plant and Soil Science*. 23(2) 1-11.
6. Muiruri J., Ambuko J., Nyankanga R.O. & Owino W. (2018). Maturity indices of specific mango varieties produced at a medium altitude agro-ecological zone in Kenya. *Acta Horticulturae*.
7. Lovel J.H., Nyankanga R.O. (2018). Response of growth and grain yield of Amaranth (*A. hypochondriacus*) to combined manure and inorganic fertilizer pellets and non-pellets. *International Journal of Plant and Soil Science* 24 (3) 1-10.
8. Gateri M.W., Nyankanga R.O., Ambuko J. & Muriuki A.W. (2018). The influence of rate and time of nitrogen top dressing on the storage quality of onion (*Allium cepa* L.). *International Journal of Agriculture, Environment and Bioresearch*. 3(4) 477-492.
9. Nyankanga R.O., Murigi S.I. (2018). Effect of packaging material on shelf life and quality of ware potato tubers stored at ambient tropical temperatures. *Potato Research*.
10. Gateri M.W., Nyankanga R.O., Ambuko J. & Muriuki A.W. (2018). Growth yield and quality of Onion (*Allium cepa* L.) as influenced by nitrogen and time of top dressing. *International Journal of Plant and Soil Science*. 23(3) 1-13.
11. Nyankanga R.O., Murigi A.W., Shibairo S.I., Olanya O.M. & Larkin R.P. (2018). Effects of foliar and tuber sprout suppressants on storage of ware potatoes under tropical ambient conditions. *American Journal of Potato Research*.
12. Kinyungu T.N., Muthomi J.W., Subramanian S., Miano D.W., Olubayo F.M. & Wagura J. (2018). Efficiency of aphid and thrips vectors in transmission of viruses causing maize lethal necrosis disease. *World Journal of Agricultural Research*. 6(4) 144-152.
13. Taylor N., Wagaba H., Beyene G., Chauthan D, Halsey H., Gichuki S., Kuria P., Quemada H., Bua A., Miano D., Alical T., & Kiggundu A. (2018). Progress and challenges for deploying RNAi resistance to Cassava brown streak disease. *In vitro cellular and developmental biology-plants*. 54: 22-23.
14. Saggaf M.H., Ndunguru J., Tairo F., Sseruwagi P., Ascencio-Ibanez J.T., Kilalo D. & Miano D.W. (2018). Immunochemical localization of Cassava brown streak virus and its morphological effect on cassava leaves. *Physiological and Molecular Plant Pathology*.

15. Mudde B., Olubayo F.M., Miano D.W., Asea G., Kilalo D.C., Kiggundu A., Bomet D.K., & Adriko J., (2018). Distribution, incidence and severity of maize lethal necrosis disease in major maize growing agro-ecological zones of Uganda. *Journal of Agricultural Science* 10 (6).
16. Okeyo G.O., Sharma K., Atieno E., Narla R.D., Miano D.W., and Schulte-Geldermann E. (2018). Effectiveness of positive selection in managing seed borne potato viruses. *Journal of Agricultural Sciences* 10 (3) 71-80.
17. Manyozo F.N., Ambuko J., Hutchinson M.J., Kamanula J.F. (2018). Effectiveness of evaporative cooling technologies to preserve the postharvest quality of tomato. *International Journal of Agronomy and Agricultural Research* 13 (2) 114-127
18. Loreto A., Owino W., Ateka M. A., & Ambuko J. (2018). Influence of coating application methods on the postharvest quality of cassava. *International Journal of Food Science*. In press.
19. Nyangena I., Owino W., Ambuko J., Imathiu S. (2018). Effect of selected pretreatments prior to drying on physical quality attributes of dried mango chips. *Journal of Food Science and Technology*. In press.
20. Chemining'wa G., Ambuko J., Koile S. (2018). Effect of fertilizers, time of pinching and harvesting method on growth and yield of spider plant (*Cleome gynandra*). *International Journal of Agronomy and Agricultural Research*. Vol. 13, No. 5, 9-21
21. Tembe K.O., Chemining'wa G., Ambuko J., Owino W. (2018). Evaluation of African tomato landraces (*Solanum lycopersicum*) based on morphological and horticultural traits, agriculture and natural resources.
22. Yumbya P., Hutchinson M., Ambuko J., Owino W., Sullivan A., Paliyath G. and Subramanian J. (2018). Efficacy of hexanal application on the postharvest shelf life and quality of banana fruits (*Musa acuminata*) in Kenya. *Tropical Agriculture* Vol 95, 1: 14-35.
23. Kangai A., Nzuve F., Ambuko J., and Odeny D. (2018). Heritability analysis and phenotypic characterization of spider plant (*Cleome gynandra* L.) for yield. *Advances in Agriculture*.
24. Hutchinson M., Ouko R., Ambuko J., Owino W. and Subramanian J. (2018). Effects of hexanal dip on the post-harvest shelf life and quality of papaya (*Carica papaya* L.) fruit. *Tropical Agriculture* Vol 95, 1: 43-70.
25. Ambuko J., Karithi E., Hutchinson M., and Owino W. (2018). Modified atmosphere packaging enhances the effectiveness of coolbot cold storage to preserve postharvest quality of mango fruits. *Journal of Food Research*. Vol. 7 (5).
26. Mbondo N., Owino W., Ambuko J., Ndaka S. (2018). Effect of drying methods on the retention of bioactive compounds in African eggplant (*Solanum aethiopicum* L.). *Food science nutrition*.

27. Mungai G., Owino W., Ambuko J., Giovannoni J., Nyende A. and Michuki G. (2018). Genetic diversity within African tomato using next generation sequencing. *Plant Genetic Resources: Characterization and utilization*. 16 (4), 296-305.
28. Mbarushimana J., Kinama J., and Chemining'wa G. (2018). Effects of inorganic fertilizers and planting densities on growth and yield in selected maize varieties in Eastern Rwanda. *Int. Journal of Agronomy and Agriculture Research*. Vol. 13, No. 5, 22-34.
29. Kyuma R., Kinama J., Wahome R., Wasonga V., Habineza M. (2018). Estimating above ground biomass and carbon stocks of *Prosopis juliflora* using allometric equations in drylands of Magadi, Kenya. *Int. Journal of Agron. and Agric. Research*. Vol. 13, No. 4, 92-103.
30. Kinama J., Irika M., Habineza M., (2018). Influence of organic and inorganic fertilizers on sunflower oil content in Morogoro, Tanzania. *Int. Journal of Agron. and Agric. Research*. Vol. 12, No. 6, 166-174.
31. Kinama J., Habineza M. (2018) A review on advantages of cereals-legumes intercropping systems: Case of promiscuous soybean varieties and maize. *Int. Journal of Agron. and Agric. Research*. Vol. 12, No.6,155-165.
32. Habineza J.P., Kinama J., Olubayo F.M., Muthomi J., Wanderi S., Nzuve F. (2018). Effect of intercropping maize and soybean on soil fertility. *Int. J. of Agron. and Agric Res.*. Vol. 12, No. 2, 87-100.
33. Yarkpawolo K., Ayuke F., Kinama J., Sijali I. (2018). Assessing factors influencing adoption of drought tolerant common bean varieties: Case study of Machakos County. *Int. J. of Agron. and Agric Res.*. Vol. 12, No. 2, 68-77.
34. Yarkpawolo K., Ayuke F., Kinama J., Sijali I. (2018). Effect of tillage practices on water use efficiency of different drought tolerant common bean varieties in Machakos County, Eastern Kenya. *American Scientific Res. J. for Engineering, Technology and Science*.
35. Muthenya S., Mbugua P., Waswa F., Kinama J. (2018). The effect of community livelihoods practices and nutritional value of the conservation of *Melia volkensii* in Makuani County. Vol. 12, No. 6.
36. Heritier Kambale Mbusa, Kahi Ngugi, Florence M. Olubayo, Benjamin Musembi Kivuva, James W. Muthomi, Felister M. Nzuve (2018). The Inheritance of Yield Components and Beta Carotene Content in Sweet Potato. *Journal of Agricultural Sciences*, Vol. 10, No. 2; 2018.
37. Sharon Natecho Buyela, James W. Muthomi, Agnes W. Mwang'ombe, Peter Njau, Florence Olubayo (2018). Effect of Seed Treatment on Wheat Viability and Vigour. *American Journal of Agricultural Science*, 2018; 5(1): 1-9.

38. Baraka Barnabas Mdenye, Josiah M. Kinama, Florence M. Olubayo, Benjamin Musembi Kivuva, James W. Muthomi (2018). Effect of Storage Methods of Cassava Planting Materials on Establishment and Early Growth Vigour. *International Journal of Agronomy and Agricultural Research (IJAAR)*: ISSN: 2223-7054, Vol, 12, No. 1, p 1-10, 2018.
39. Alfred N. Mutundi, James W. Muthomi, Florence M. Olubayo, Philip K. Leley and Felista M. Nzuve. 2018. Quality of farm saved maize (*zea mays l.*) Seeds and its effect on field establishment. *International Journal of Research in Agricultural Sciences*, 5(6): 2348 – 3997.
40. Oliver Otieno Okumu, James Muthomi, John Ojiem, Rama Narla, John Nderitu. 2018. Effect of lablab green manure on population of soil microorganisms and establishment of common bean (*Phaseolus vulgaris L.*). *American Journal of Agricultural Science*, 5(3):44-54.
41. Oliver Okumu, James Muthomi, John Ojiem, Rama Narla, John Nderitu. 2018. Effect of time after incorporation of lablab green manure on root rot pathogens and establishment of common bean (*Phaseolus vulgaris L.*). *World Journal of Agricultural Research*, 6(4): 113-121.
42. Eric Mpongolo Musungayi, Kahiu Ngugi, James Wanjohi Muthomi, Vincent Woyengo Were, Florence Mmogi Olubayo and Felister Mbutu Nzuve. 2018. Evaluation of resistance of cassava half-sib progenies to cassava mosaic disease and their agronomic performances in Western Kenya. *Journal of Agricultural Science* 10(12): 78-91.
43. Yuga, M. E., J. M. Kimani, P. M. Kimani, M. F. Olubayo, J. W. Muthomi & F. M. Nzuve. 2018. Combining Ability and Heterosis for Agronomic and Yield Traits in Indica and Japonica Rice Crosses. *Journal of Agricultural Science* 10(12): 92-103.
44. Kambura, C., C.M. Tanga, D. Kilalo, J. Muthomi, D. Salifu, I. Rwomushana, S.A. Mohamed and S. Ekesi. 2018. Composition, Host Range and Host Suitability of Vegetable-Infesting Tephritids on Cucurbits Cultivated in Kenya. *African Entomology*, 26(2): 379 – 397.
45. BIRTHIA, R. K., SEVGAN SUBRAMANIAN, J.W. MUTHOMI, RAMA DEVI NARLA. 2018. Seasonal dynamics and alternate hosts of thrips transmitted Iris yellow spot virus in Kenya. *African Crop Science Journal* 26(3): 365 – 376.
46. Yuga M.E. P.M. Kimani, J.M. Kimani, J.W. Muthomi. 2018. Screening Upland Rice Genotypes for Grain Yield and Grain Quality in Kenya. *Research journal's Journal of Agriculture*, 5(7): 1-15.
47. Geraldin M. W. Lengai and James W. Muthomi. 2018. Biopesticides and Their Role in Sustainable Agricultural Production. *Journal of Biosciences and Medicines*, 6: 7-41.

48. Sheila Rono, Felister Nzuve, James Muthomi and John Kimani. 2018. Combining Ability of Agronomic and Yield Traits in Rice Genotypes. *Journal of Plant Physiology & Pathology*, 6:2.
49. Pacifica Bosibori Ochichi, James Wanjohi Muthomi, John Maina Wagacha. 2018. Contribution of Seed Quality to the Occurrence of Fungal and Bacterial Diseases of Farmer Produced Common Bean in Varied Agro-Climatic Zones of Western Kenya. *American Journal of Agricultural Science*, 5(2): 19-27.
50. Habineza M. Jean Pierre, Josiah M. Kinama, Florence M. Olubayo, Susan W. Wanderi, James W. Muthomi, Felister M. Nzuve. 2018. Effect of intercropping maize and soybean on soil fertility. *International Journal of Agronomy and Agricultural Research (IJAAR)*, 12(2): 87-100.
51. Habineza M. Jean Pierre, Josiah M. Kinama, Florence M. Olubayo, Susan W. Wanderi, James W. Muthomi and Felister M. Nzuve. 2017. Effect of Intercropping Maize and Promiscuous Soybean on Growth and Yield. *Journal of Experimental Agriculture International*, 18(6): 1-21.
52. Bornventure I. Mumia, James W. Muthomi, Rama D. Narla, Moses W. Nyongesa, Florence M. Olubayo. 2018. Seed Potato Production Practices and Quality of Farm Saved Seed Potato in Kiambu and Nyandarua Counties in Kenya. *World Journal of Agricultural Research*, 6(1): 20-30.
53. Jane L.A. Safary, Emmanuel S. Ariga (2018). Manifestations and coping with examination anxiety by students; A case of technical training institutes, Nairobi. *Journal of International Academic Research for Multidisciplinary*. Impact Factor 4,483, ISSN: 2320-5083, Volume 6, Issue I.
54. Onesmus M. Kitonyo, Victor O. Sadras, Yi Zhou, Mathew D. Denton (2018). Nitrogen fertilization modifies maize yield response to tillage and stubble in a sub-humid tropical environment. *Field Crop Research*.
55. Heritier Kambule Mbusa, Kahiu Ngugi, Florence M. Obuya, Benjamin Musembi Kivuva, James W. Muthomi & Felister M. Nzuve (2018). Agronomic Performance of Kenyan Orange Fleshed Sweet Potato Varieties. *Journal of Plant Studies*; Vol. 7, No. 2:2018.ISSN 1927-0461 E-ISSN 1927-047X
56. James Wanjohi Muthomi, Geoffrey Ongoya Wafula, John Huria Nderitu (2018). Integration of Seed Dressing, Biopesticides and Intercropping to Reduce Pesticide Use in Snap Bean Production. *International Journal of Agricultural Sciences and Natural Resources*.
57. Khakata S., Nzuve F.M., Chemining'wa G.N., Mwimali M., Karanja J., Harvey J., and Mwololo J.K. (2018). Post –harvest evaluation of selected hybrids to maize weevil *Sitophilus zeamais* resistance. *Journal of Stored Products and Postharvest Research*
58. Khakata Sammy, Murenga Mwimali, Nzuve F. M., Chemining'wa George, Karanja James, Harvey Jagger, Mwololo James, Gichuru Lilian (2018). Post-harvest Evaluation of Selected Inbred Lines and Three Way

- Cross Hybrids to Larger Grain Borer (*Prostephanus tructus*) Resistance. Journal of Agricultural Research, 2018, Vo. 6.
59. Juliana J. Cheboi, Oliver K. Kiplagat, Everlyne N. Sikuku (2018). Variability in Proximate Analysis of Twelve Selected Elite Pigeon pea Genotypes across varied Agro-Ecological Zones in Kenya. Food Science Quality Management, ISSN 224-6088 (Paper) Vol. 76, 201.
 60. Ann Kangai Munene, Felister Nzuve, Jane Ambuko and Damaris Odeny (2018). Heretability Analysis and Phenotypic Characterization of Spider Plant (*Cleome gynandra* L.) for Yield. Hindawi: Advances in Agriculture.
 61. Onesmus M. Kitonyo, Victor O. Sadras, Yi Zhous and Mathew D. Denton (2018). Nitrogen supply and sink demand modulate the patterns of leaf senescence in maize. Elsevier.
 62. Onesmus M. Kitonyo, Yi Zhou, David R. Coventry, Mathew D. Denton (2018). Canopy development and grain yield of dryland wheat is modified by strategic nitrogen supply and stubble management. European Journal of Agronomy.
 63. G. N. Chemining'wa & O. M. Kitonyo (2018). Neglected and underutilized cereals and pseudocereals. In: Kasolo W., Chemining'wa, G.N., Temu, A. (Eds.), Neglected and Underutilized Species (NUS) for Improved Food Security and Resilience to Climate Change: A Contextualized Learning Manual for African Colleges and Universities. The African Network for Agriculture, Agroforestry and Natural Resources Education (ANAFE), United Nations Avenue, Gigiri, Nairobi, Kenya, pp. 64-88.
 64. Raphael O. Ebanda, Ratemo W. Michieka, David J. Otieno (2018). The Dynamics of Culture on Environmental Sustainability: A Case of Central Africa. The International Journal of Interdisciplinary Environmental Studies Volume 12.
 65. Raphael O. Ebanda, Ratemo W. Michieka, David J. Otieno (2018). The effects of Socio-Cultural Determinants on Cultural Dimensions: A Case of East Africa. The International Journal of Social and Community Studies Volume 20

B. WORKSHOPS AND CONFERENCES ATTENDED

NAME	WORKSHOP/SEMINARS/TRAINING	VENUE	PERIOD*
Dr. D. Miano	Virus Resistant Cassava for Africa (VIRCA Plus) Technical Meeting	Kampala, Uganda	21 st to 23 rd January 2018
Dr. F. Nzuve	African Women in Biosciences Biosafety Communication Workshop	The Royal Orchid Hotel, Nairobi	25-26 th January 2018
Prof. J.W. Muthomi	Mcknight-CCREP Eastern Africa Regional Research Projects Inception Workshop	Nobel Conference Centre, Eldoret Town	22 nd -26 th January, 2018
Dr. Jane Ambuko	Attended and presented a paper at the Ethiopian Society of Postharvest Management Conference	Addis Ababa	25-26 th January, 2018
Dr. Douglas W. Miano	UK Launch of the CONNECTED Network	Bristol, UK	29 th -31 st January, 2018
Prof. Paul M. Kimani	Present a Research Paper on New Plant Breeding Methods & Participate in Development of Demand Led Plant Breeding Project Phase I	University of Mauritius	28 th January to 4 th February 2018
Prof. Agnes W. Mwang'ombe	EU H202020-InnovAfrica Project 2 nd Consortium Meeting, Rwanda Agriculture and Animal Resources Development Board	Rwanda	13 to 16 th February 2018
Dr. Felister M. Nzuve	Biosafety Communication Training Course for African Women for Biosciences	Royal Orchi Azure, Nairobi	25-26 th January, 2018
Dr. Dora Kilalo	Write-up Workshop for Proposal Concept Development by RUFUROM	Entebbe, Uganda	12-17 th February, 2018
Dr. Cecilia Onyango	Attending training as a Guest Researcher in Swedish University of Agricultural Sciences	Department of Soil and Environment	11 th March 2018 – 14 th April, 2018
Dr. Felister M. Nzuve	Attended Grant Proposal Writing Workshop	UON	21 st – 23 rd March 2018
Dr. Miano	SOBIFAK Sensitization Workshop and Field Tour of VIRCA plus CFTS	Kandara Muranga	23 rd February , 2018
Prof. Agnes W. Mwang'ombe	Attended RUFORUM/SEMI, Capacity Building Workshop in Uganda	Entebbe Uganda	8 th -15 th April, 2018
Dr. Douglas W. Miano	Attending the second annual public private partnership project meeting in Addis Ababa, Ethiopia and sponsored by Crop Life International.	Danforth Plant Science Center Addis Ababa, Ethiopia	25 th – 27 th April, 2018

NAME	WORKSHOP/SEMINARS/TRAINING	VENUE	PERIOD*
Dr. Jane Ambuko	Attended RUFORUM/Rockefeller Foundation- Proposal Writing Workshop in Uganda	Entebbe Uganda	16 th -20 th April, 2018
Dr. D. Kilalo	Attended RUFORUM/Rockefeller Foundation- Proposal Writing Workshop in Uganda	Entebbe Uganda	16 th -20 th April, 2018
Dr. J. Kinama	Attending Animal Production Society of Kenya (APSK) Annual Scientific Symposium	Sportsman Arms Hotel, Nanyuki	4 th – 6 th April, 2018
Prof. P. M. Kimani	Attended trilateral British Council Researcher Links Workshop	University of Stellenbosch in the UK	2 nd to 4 th May, 2018
Dr. Douglas W. Miano	Attended preparation of project implementation manuals-Eastern and Central Africa Agricultural transformation project (ECAATP)	KALRO Embu	2 nd to 4 th May, 2018 & 7 th to 11 th May 2018
Prof. M.J. Hutchinson Prof. G. Chemining'wa Dr. J. Ambuko	Attended Smallholder aggregation and agro-processing.	Karurumo Embu County	May 2018
Dr. Jane Ambuko	Learning Event on AgriProFocus on Behalf of the Netherlands Development Organisation (SNV &) Kenya & Smart Water for Agriculture & Kenya Market led Horticulture programme	Safari Park Hotel	12 th July 2018
Prof. J.W. Muthomi	Mid-Year Review Workshop by Multipurpose Legumes Projects under KALRO	Good Samaritan Inn, Kisumu	22 nd July to 25 th July 2018
Prof. M.J. Hutchinson	Working Group to prepare for the “Workshop on the Future of Agricultural Research in Driving the Kenyan Economy”	Kilimo House Board Room, 7 th Floor	13 th June 2018
Dr. D.W. Miano	1.Attend and give presentations at Annual Biosafety Conference 2. 2 nd Biosafety Leadership Summit	Kenya School of Monetary Studies (KSMS), Nairobi	16-17 th August, 2018
Prof. A.W. Mwang'ombe	Seminar on Advancing Young Women Agribusiness Entrepreneurs and Innovators: A Uganda, Kenya, Tanzania and US Initiative	SEMIs Large Lecture Theatre Hall	10 th August, 2018
Dr. Jane L. Ambuko	Attend and Present papers at the 30 th	Point Hotel, Taksim,	10 th - 18 th August, 2018

NAME	WORKSHOP/SEMINARS/TRAINING	VENUE	PERIOD*
	International Horticultural Congress (ISHS)	Istanbul	
Prof. M. J. Hutchinson	Inauguration for the IRRI Regional Office for Africa at the ILRI Campus, Nairobi	Sarova Panafric Hotel	27 th September, 2018
Prof. M.J. Hutchinson	Inaugural High Panel Conference on Agriculture Research in Kenya: Theme Priority setting in Agriculture Research: Towards sustainable Food and Nutrition Security in a changing Climate	ICRAF	13 th and 14 th September 2018
Prof. G. N. Chemining'wa	Inaugural High Panel Conference on Agriculture Research in Kenya: Theme Priority setting in Agriculture Research: Towards sustainable Food and Nutrition Security in a changing Climate	ICRAF	13 th and 14 th September 2018
Dr. D. Miano	Scientific conference & Ministerial roundtable on FNSA and IAP-R SDG Carnegie's Africa Workshop & the IAP-R/Carnegie's Africa Workshop on Sustainable Development Goals (SDGs)	Hilton Hotel –Nairobi	17 th – 20 th September 2018
Dr. Cecilia Onyango	Food Safety and loss Reduction Multi-Stakeholder Forum	Milele Resort, Nakuru	September 03, 2018
Dr. Cecilia Onyango	Food security, Safe Traditional Vegetables for Increased Income, Food Security and Nutrition	Sarova Panafric Hotel, Nairobi	September 25, 2018
Prof. A. W. Mwang'ombe	Attend a meeting in Ghana	Ghana	8 th - 26 th October, 2018
Dr. Jane. Ambuko	Invitation to speak at the 2nd Annual Food Tank Summit in New York City. Entitled "Focusing on Food loss and Food Waste.	New York University Law School	October 3 rd , 2018
Dr. Cecilia Onyango	Invitation to Food Safety and Food Loss Issue Prioritization Workshop – ReSAKSS-ECA	Seasons Country Lodge – Elementaita	2 nd – 4 th October 2018
Prof. M. J. Jesang Hutchinson	Facilitation of the Fall Armyworm Research for Development Consortium Meeting	Addis Ababa, Ethiopia	29 th to 31 st October 2018
Prof. P. M. Kimani	Participate in the CGIAR Excellence in Breeding Platform (EoB)	Amsterdam, Netherlands	13 th – 15 th November, 2018
Prof. A. W. Mwang'ombe	Participate in an emergency evaluation of the world bank Africa	Nigeria	30 th October – 2 nd November, 2018

NAME	WORKSHOP/SEMINARS/TRAINING	VENUE	PERIOD*
	higher education centres of excellence for development impact (ACE IMPACT) Proposals: Site Evaluation		
Prof. Florence M. Olubayo	Invitation to the Australia Awards Africa Short Course, Module 6, in Increasing the Development impact of Agricultural Research	Tanzania	5 th – 30 th November, 2018
Dr. Douglas W. Miano	Attend the UN Biodiversity Conference (COP 14/COP-MOP 9/COP-MOP 3) in Sharm El-Sheikh,	Egypt	17 th – 29 th November, 2018
Dr. Douglas W. Miano	Invitation to Virus Resistant Cassava for Africa (VIRCA PLUS) Donor Project Review Meeting	Uganda	5 th November, 2018
Dr. Felister M. Nzuve	Invitation to an inception Workshop of the policy training initiative	ILRI Nairobi	28 th November , 2018
Dr. Felister M. Nzuve	Invitation to facilitate the fall Army Worm training	UON-IITA Kibwezi Field Station	November 22 nd and 23 rd , 2018
Prof. M. J. Hutchinson	Inauguration for the IRRI Regional Office for Africa at the ILRI Campus, Nairobi	Sarova Panafric Hotel	27 th September, 2018
Prof. M.J. Hutchinson	Inaugural High Panel Conference on Agriculture Research in Kenya: Theme Priority setting in Agriculture Research: Towards sustainable Food and Nutrition Security in a changing Climate	ICRAF	13 th and 14 th September 2018
Prof. G. N. Chemining'wa	Inaugural High Panel Conference on Agriculture Research in Kenya: Theme Priority setting in Agriculture Research: Towards sustainable Food and Nutrition Security in a changing Climate	ICRAF	13 th and 14 th September 2018
Prof. J. W. Muthomi	2 nd Phytosanitary Conference “Phytosanitary Systems for Safe Trade and food Security”.	KEPHIS Headquarter, Nairobi	4th to 8th June, 2018
Prof. J. W. Muthomi	The Sixth African Higher Education Week and RUFORUM Biennial Conference	Kenyatta International Conference Centre (KICC), Nairobi	22-26 October, 2018
Prof. M. J Jesang Hutchinson	Facilitation of the Fall Armyworm Research for Development Consortium Meeting	Addis Ababa, Ethiopia	29th to 31st October 2018

NAME	WORKSHOP/SEMINARS/TRAINING	VENUE	PERIOD*
Prof. P. M. Kimani	Participate in the CGIAR Excellence in Breeding Platform (EoB)	Amsterdam, Netherlands	13th – 15th November, 2018
Prof. A. W. Mwang'ombe	Participate in an emergency evaluation of the world bank Africa higher education centres of excellence for development impact (ACE IMPACT) Proposals: Site Evaluation	Nigeria	30th October – 2nd November, 2018
Prof. Florence M. Olubayo	Invitation to the Australia Awards Africa Short Course, Module 6, in Increasing the Development impact of Agricultural Research	Tanzania	5th – 30th November, 2018
Dr. Douglas W. Miano	Attend the UN Biodiversity Conference (COP 14/COP-MOP 9/COP-MOP 3) in Sharm El-Sheikh,	Egypt	17th – 29th November, 2018
Dr. Douglas W. Miano	Invitation to Virus Resistant Cassava for Africa (VIRCA PLUS) Donor Project Review Meeting	Uganda	5th November, 2018
Dr. Felister M. Nzuve	Invitation to an inception Workshop of the policy training initiative	ILRI Nairobi	28th November , 2018
Dr. Felister M. Nzuve	Invitation to facilitate the fall Army Worm training	UON-IITA Kibwezi Field Station	November 22nd and 23rd , 2018
Prof. F.M. Olubayo	Participating Module 6 in Increasing the Development Impact of Agricultural Research. Sponsored by the Government of Australia	Tanzania	3rd-7th December 2018
Dr. Cecilia Onyango	Training in Pedagogy for Academic Staff of the CHSS	CCU	3st October to 2nd December 2018
Dr. Jane L. Ambuko	The Sixth African Higher Education Week-Ruforum Biennial Conference 2018	KICC, Kenya	22-26th October 2018
Dr. Juliana Cheboi	The Sixth African Higher Education Week-Ruforum Biennial Conference 2018	KICC, Kenya	22-26th October 2018
Dr. F. Nzuve	The Sixth African Higher Education Week-Ruforum Biennial Conference 2018	KICC, Kenya	22-26th October 2018
Dr. J. Kinama	The Sixth African Higher Education Week-Ruforum Biennial Conference 2018	KICC, Kenya	22-26th October 2018
Dr. Jane L. Ambuko	Enhancing Market through Competitiveness and Plant Health for Fruits, Vegetables and Herbs	Kenya School of Monetary Studies	5-7th September, 2018
Dr. Juliana Cheboi	Training on Molecular Techniques	Dept. of PHPT, UoN	7-10th December,

NAME	WORKSHOP/SEMINARS/TRAINING	VENUE	PERIOD*
	&Analysis		2018-
Dr. Jane L. Ambuko	Enhancing Market through Competitiveness and Plant Health for Fruits, Vegetables and Herbs	Kenya School of Monetary Studies	5-7th September, 2018
Dr. Jane L. Ambuko	Focusing on Food Loss and Food Waste	Tishman Auditorium, New York	3rd October 2018
Dr. Jane Ambuko	Fruits, Vegetables & Herbs Conference and Exhibition	FPEAK & FPC Kenya	6th September 2018

IX. CONSULTANCIES

- Efficacy Trials
- Diagnostics of Crop Pests and Diseases

X. NO. OF STAFF AND THEIR DESIGNATION

<u>DESIGNATION</u>	<u>NO OF POSITION</u>
Professor	- 8
Associate Professor	- 9
Senior Lecturer	- 6
Lecturer	- 5
Tutorial Fellow	- 3
Chief Technologist	- 2
Senior Technologist	- 8
Technologist	- 8
Secretary	- 2
Assistant Technologist	- 2
Driver	- 1
Cleaner	- 4
Total	58

XI. STAFF ESTABLISHMENT

A. TEACHING STAFF

EST POST	ESTABLISHED	NAMES	TRIBE	STATUS	COMMENTS
3	PROFESSOR - PROFESSORS & EQUIV.				
		PROF. AGNES W. MWANG'OMBE 125140	TAITA	ACTIVE	
		PROF. DANIEL MUNGE MUKUNYA - 17590	KIKUYU	ACTIVE	CONTRACT
		PROF. KIMANI WAITHAKA - 77940	KIKUYU	ACTIVE	
		PROF. EUNICE W. MUTITU - 87690	KIKUYU	ACTIVE	
		PROF. PAUL M KIMANI - 104900	KIKUYU	ACTIVE	
		PROF. RATEMO WAYA MICHIEKA - 90730	KISII	ACTIVE	CONTRACT
		PROF. FLORENCE M'MOGI OLUBAYO - 128500	LUHYA	ACTIVE	
		PROF. JOHN W. KIMENJU – 150140	KIKUYU	ACTIVE	
OCCUPANCY	8				
VACANCY	-5				
5	ASSOCIATE PROFESSOR - ASS. PROF. & EQUIV				
		PROF. LEVI SHADEYA AKUNDABWENI – 120860	LUHYA	LOA	
		PROF. JOHN HURIA NDERITU – 153350	KIKUYU	ACTIVE	
		PROF. SOLOMON I. SHIBAIRO - 126390	LUHYA	LOA	

		PROF. EMMANUEL SAFARY ARIGA - 128440	LUO	ACTIVE	
		PROF. JAMES W. MUTHOMI - 158270	KIKUYU	ACTIVE	
		PROF. M. JESANG HUTCHINSON - 144330	KALENJIN	ACTIVE	
		PROF. RAMA DEVI NARLA - 138770	ASIAN	ACTIVE	CONTRACT
		PROF. GEORGE N. CHEMINING'WA - 164550	SABAOT	ACTIVE	
		PROF. ELIUD KAHU NGUGI - 180690	KIKUYU	ACTIVE	
OCCUPANCY	9				
VACANCY	-4				
	SENIOR LECTURER - SEN. LECT. & EQUIV.				
10		DR. RICHARD OMBUI NYANKANGA - 185330	KISII	ACTIVE	
		DR. CECILIA MORAA ONYANGO - 178840	KISII	ACTIVE	
		DR. DOUGLAS WATUKU MIANO - 211750	KIKUYU	ACTIVE	
		DR. JANE AMBUKO LUKHACHI - 178760	LUHYA	ACTIVE	
		DR. JOSIAH MWIVANDI KINAMA - 178260	KAMBA	ACTIVE	
OCCUPANCY	6	DR. WILLIAM MAIN MUIRU - 176450	KIKUYU	ACTIVE	
VACANCY	4				
15	LECTURER - LECTURER & EQUIV.				
		MR. PETER NYAMUMBO MONGARE - 130730	KISII	ACTIVE	
		MR. ELIAS OTIENO OBUDHO - 138760	LUO	ACTIVE	
		DR. DORA CHAO KILALO - 192060	TAITA	ACTIVE	
		DR. FELISTER MBUTE NZUVE - 209470	KAMBA	ACTIVE	
		DR. LYDIA NANJALA WAMALWA - 22571	LUHYA	ACTIVE	
OCCUPANCY	4				
VACANCY	11				

0	TUTORIAL FELLOW - TUTORIAL FELL. & EQU	MR. NICODEMUS N. MUSEMBI- 21289	KAMBA	ACTIVE	
		MR. ONESMUS M. KITONYO- PP10/21682	KAMBA	ACTIVE	
		MS. JULIANA JEPKEMOI CHEBOI 22611	KALENJIN	ACTIVE	
OCCUPANCY	3				
VACANCY	-3				
SUMMARY		ESTABLISHMENT	33		
		OCCUPANCY	30		
		% OCCUPANCY	90.9		

B. NON TEACHING STAFF

EST POST	ESTABLISHED DESIGNATION	NAMES	TRIBE	STATUS	COMMENTS
1	PRINCIPAL TECHNOLOGIST - SEN. LECT. & EQUIV.				
OCCUPANCY	0				
VACANCY	1				
1	CHIEF TECHNOLOGIST - LECTURER & EQUIV.				
		MR. JOEL A. AURA - 140300	LUHYA	ACTIVE	
2		MR. WILLY KIBET CHEBII	KALENJIN	ACTIVE	
OCCUPANCY	2				
VACANCY	0				
12	SENIOR TECHNOLOGIST D/E/F				
		MS. SICILY W. MUCHIRA - 188170	KIKUYU	ACTIVE	
		MR. JOSEPH WAGURA KARIUKI - 173560	KIKUYU	ACTIVE	
		MR. ANGWENYI MAOBE MICHAEL - 190440	KISII	ACTIVE	

		MR. DOUGLAS WANGILA KHAMILA - 212910	LUYHA	ACTIVE	
		MS. JACKLINE AKINYI WEULLOW - 22601	LUYHA	ACTIVE	
		MS. BEVERLYNE KHAYECHA MMERA	LUHYA	ACTIVE	
		MS. NANCY MUMBI MVUNGU - 210750	EMBU	ACTIVE	
		MRS. CATHERINE MUENI PETER - 205580	KAMBA	ACTIVE	
OCCUPANCY	8				
VACANCY	4				
11	TECHNOLOGIST - A/B/C				
		MR. TITUS NZANGI MWANGANGI - 209920	KAMBA	ACTIVE	
		MS. SICILY WAMBUI NYAGA - 209900	KIKUYU	ACTIVE	
		MS. MARY WAGAKI NDEGWA - 209980	KIKUYU	ACTIVE	
		MR. DICKSON NDERI MATHENGE - 130090	KIKUYU	ACTIVE	
		MS. RISPER NJOKI GATHONI - 173350	KIKUYU	ACTIVE	
		MS. ROSBENA CHERONO TECHTUK - 22465	KALENJIN	ACTIVE	
		MR. ALEXANDER SHIVACHI - 22476	LUYHA	ACTIVE	
		MS. ROSE MAKENA NJUE	MERU	ACTIVE	
OCCUPANCY	10				
VACANCY	2				
1	DRAUGHTSMAN -A				
OCCUPANCY	0				
VACANCY	1				
	RECORDS CLERK - A				
OCCUPANCY	0				

VACANCY	1				
2	TECHNOLOGIST ASSISTANT - IV	MS. CHRISTINE M. OCHOLA - 160130	LUO	ACTIVE	
VACANCY	-1				
2	TECHNOLOGIST ASSISTANT - III				
		MR. SIMON KIRIINYA MUTHIORA - 109100	MERU	ACTIVE	
OCCUPANCY	1				
VACANCY	1				
2	FOREST ATTENDANT - III				
OCCUPANCY	0				
VACANCY	2				
0	CLEANER - II				
OCCUPANCY	0				
VACANCY	0				
1	NURSERYMAN - II				
OCCUPANCY	1				
VACANCY	0				
1	DRIVER - II				
OCCUPANCY	0				
VACANCY	1				
6	FOREST ATTENDANT - II				
OCCUPANCY	0				
VACANCY	6				

4	LABORATORY ASSISTANT - II				
OCCUPANCY	0				
VACANCY	4				
1	GREENHOUSE ATTENDANT - II				
OCCUPANCY	1				
VACANCY	0				
8	PANEL BEATER - I				
OCCUPANCY	0				
VACANCY	8				
4	LABOURER - I				
OCCUPANCY	0				
VACANCY	4				
SUMMARY		ESTABLISHMENT	59		
		OCCUPANCY	23		
		% OCCUPANCY	38.98		

XII. STAFF PORTFOLIO – NAME, QUALIFICATION AND POSITION – FOR THE YEAR 2018

	NAME	PAYROLL NUMBER	GENDER	HIGHEST LEVEL OF EDUCATION	GRADE	DESIGNATION	TERMS OF SERVICE	PAID LEAVE OF ABSENCE	UNPAID LEAVE OF ABSENCE
1	PROF. DANIEL M. MUKUNYA	17590	MALE	PhD	PROFESSOR	PROFESSOR	CONTRACT	N/A	N/A
2	PROF. KIMANI WAITHAKA	77940	MALE	PhD	PROFESSOR	PROFESSOR	PERMANENT	N/A	N/A
3	PROF. RATEMO W. MICHIEKA	90730	MALE	PhD	PROFESSOR	PROFESSOR	CONTRACT	N/A	N/A
4	PROF. AGNES W.	125140	FEMALE	PhD	PROFESSOR	PROFESSOR	PERMANENT	N/A	N/A

	MWANG'OMBE								
5	PROF. EUNICE W. MUTITU	87690	FEMALE	PhD	PROFESSOR	PROFESSOR	PERMANENT	N/A	N/A
6	PROF. PAUL M. KIMANI	104900	MALE	PhD	PROFESSOR	PROFESSOR	PERMANENT	N/A	N/A
7	PROF. FLORENCE M. OLUBAYO	12850	FEMALE	PhD	PROFESSOR	PROFESSOR	PERMANENT	N/A	N/A
8	PROF. JOHN W. KIMENJU	150140	MALE	PhD	PROFESSOR	PROFESSOR	PERMANENT	N/A	N/A
9	PROF. JOHN H. NDERITU	153350	MALE	PhD	ASSOC. PROF.	ASSOC. PROF.	PERMANENT	N/A	N/A
10	PROF. LEVI S. AKUNDABWENI	120860	MALE	PhD	ASSOC. PROF.	ASSOC. PROF.	PERMANENT	N/A	UNPAID LOA
11	PROF. SOLOMON I. SHIBAIRO	126390	MALE	PhD	ASSOC. PROF.	ASSOC. PROF.	PERMANENT	N/A	UNPAID LOA
12	PROF. GEORGE N. CHEMINING'WA	164550	MALE	PhD	ASSOC. PROF.	ASSOC. PROF.	PERMANENT	N/A	N/A
13	PROF. MARGARET J. HUTCHINSON	144330	FEMALE	PhD	ASSOC. PROF.	ASSOC. PROF.	PERMANENT	N/A	N/A
14	PROF. RAMA D. NARLA	138770	FEMALE	PhD	ASSOC. PROF.	ASSOC. PROF.	CONTRACT	N/A	N/A
15	PROF. EMMANUEL S. ARIGA	128440	MALE	PhD	ASSOC. PROF.	ASSOC. PROF.	PERMANENT	N/A	N/A
16	PROF. JAMES W. MUTHOMI	158270	MALE	PhD	ASSOC. PROF.	ASSOC. PROF.	PERMANENT	N/A	N/A
17	DR. ELIUD K. NGUGI	180690	MALE	PhD	ASSOC.	ASSOC. PROF.	PERMANENT	N/A	N/A
18	DR. JANE A. LUKHACHI	178760	FEMALE	PhD	SNR LECTURER	SNR LECTURER	PERMANENT	N/A	N/A
19	DR. WILLIAM M. MUIRU	176450	MALE	PhD	SNR LECTURER	SNR LECTURER	PERMANENT	N/A	N/A
20	DR. CECILIA M. ONYANGO	178840	MALE	PhD	SNR LECTURER	SNR LECTURER	PERMANENT	N/A	N/A
21	DR. DOUGLAS W.MIANO	211750	MALE	PhD	SNR LECTURER	SNR LECTURER	PERMANENT	N/A	N/A
22	DR. JOSIAH M. KINAMA	178260	MALE	PhD	SNR LECTURER	SNR LECTURER	PERMANENT	N/A	N/A
23	DR. RICHARD O. NYANKANGA	185330	MALE	PhD	SNR LECTURER	SNR LECTURER	PERMANENT	N/A	N/A
24	DR. DORA C. KILALO	192060	FEMALE	PhD	LECTURER	LECTURER	PERMANENT	N/A	N/A
25	MR. PETER MONGARE	130730	MALE	MSc	LECTURER	LECTURER	PERMANENT	N/A	N/A
26	MR. ELIAS O. OBUDHO	138760	MALE	MSc	LECTURER	LECTURER	PERMANENT	N/A	N/A
27	DR. FELISTER N. MBUTE	20947	FEMALE	PhD	LECTURER	LECTURER	PERMANENT	N/A	N/A
28	DR. LYDIA N. WAMALWA	22571	FEMALE	PhD	LECTURER	LECTURER	PERMANENT	N/A	N/A
29	MR. ONESMUS M. KITONYO	21682	MALE	MSc	TUTORIAL FELLOW	TUTORIAL FELLOW	CONTRACT	N/A	N/A
30	MS.JULIANA J. CHEBOI	22611	FEMALE	MSc	TUTORIAL FELLOW	TUTORIAL FELLOW	CONTRACT	N/A	N/A
31	MR. JOEL A. AURA	140300	MALE	HND	CHIEF TECH	CHIEF TECH	PERMANENT	N/A	N/A
32	MR. CHEBII W. KIBET	18766	MALE	MSC	CHIEF TECH	CHIEF TECHNOLOGIST	PERMANENT	N/A	N/A
33	MS. SICILY W. MUCHIRA	188170	FEMALE	BPHILL	DEF	SNR TECHNOLOGIST	PERMANENT	N/A	N/A
34	MR. DOUGLAS W. KHAMILA	212910	MALE	BSC	DEF	SNR TECHNOLOGIST	PERMANENT	N/A	N/A
35	MR. JOSEPH W. KARIUKI	173580	MALE	HND	DEF	SNR TECHNOLOGIST	PERMANENT	N/A	N/A
36	MS. JACKLINE L.A. WEULLOW	22601	FEMALE	HND	DEF	SNR TECHNOLOGIST	PERMANENT	N/A	N/A
37	MS. PETER M. CATHERINE	20558	FEMALE	BSC	ABC	TECHNOLOGIST	PERMANENT	N/A	N/A
38	MS. SICILY W. NYAGA	20990	FEMALE	DIPLOMA	ABC	TECHNOLOGIST	PERMANENT	N/A	N/A
39	MR. TITUS N. MWANGANGI	20992	MALE	DIPLOMA	ABC	TECHNOLOGIST	PERMANENT	N/A	N/A

40	MS. MARY W. NDEGWA	20998	FEMALE	DIPLOMA	ABC	TECHNOLOGIST	PERMANENT	N/A	N/A
41	MS. NANCY M. MVUNGU	21075	FEMALE	BSc	ABC	TECHNOLOGIST	PERMANENT	N/A	N/A
42	MR. DICKSON N. MATHENGE	130090	MALE	DIPLOMA	ABC	TECHNOLOGIST	PERMANENT	N/A	N/A
43	MS. RISPER NJOKI GATHONI	173350	FEMALE	DIPLOMA	ABC	TECHNOLOGIST	PERMANENT	N/A	N/A
44	MS. ROSBENA C. TECHTUK	22465	FEMALE	DIPLOMA	ABC	TECHNOLOGIST	PERMANENT	N/A	NA
45	MR. ALEXANDER SHIVACHI	22476	MALE	DIPLOMA	ABC	TECHNOLOGIST	PERMANENT	N/A	NA
46	MS. ESTHER W. THIONGO	9621	FEMALE	DIPLOMA	B	SECRETARY	PERMANENT	N/A	N/A
47	MS. CHARITY M. GICHURU	163070	FEMALE	BA	B	SECRETARY	PERMANENT	N/A	N/A
48	MS. ALICE M. MBALUTO	81150	FEMALE	KCE	IV	OFFICE ASSISTANT	PERMANENT	N/A	N/A
49	MR. ALFRED M. MULEI	15823	MALE	KCE	IV	DRIVER	PERMANENT	N/A	N/A
50	MR. ROBERT T. MASAKA	120633	MALE	KCSE	IV	DRIVER	PERMANENT	N/A	N/A
51	MR. SIMON K. MUTHIORA	109100	MALE	KCE	III	ASST. TECH	PERMANENT	N/A	N/A
52	MS CHRISTINE M. OCHOLA	160130	FEMALE	CERTIFICATE	IV	ASST. TECH	PERMANENT	N/A	N/A
53	MS. MARGARET N. MUCHENI	18849	FEMALE	KCSE	II	SUBORDINATE	CONTRACT	N/A	N/A
54	MS. MARY W. GICHIA	189190	FEMALE	KCSE	II	SUBORDINATE	CONTRACT	N/A	N/A
55	MS. MARY A. OKELLO	20310	FEMALE	CPE	II	SUBORDINATE	CONTRACT	N/A	N/A
56	MS. MONICA A. OKOUM	18011	FEMALE	CPE	II	SUBORDINATE	CONTRACT	N/A	N/A
	SEMIs STAFF								
57	MR. DANIEL WASONGA	21907	MALE	MSC	SNR LECTURER	PROJECT MANAGER	CONTRACT	N/A	N/A
58	MS. FLORENCE K. MWAZEMBA	210530	FEMALE	DIPLOMA	IV	OFFICE ASST.	CONTRACT	N/A	N/A
59	MR. SYLVESTER KIMAIYO	22367	MALE	HND	DEF	SNR TECHNOLOGIST	CONTRACT	N/A	N/A
60	MR. BENSON KIMBIO	22420	MALE	DIPLOMA	ABC	STORES CLERK	CONTRACT	N/A	N/A
61	MR. SILAS WECHULI	22376	MALE	CERTIFICATE	II	SEED TECH.	CONTRACT	N/A	N/A
62	MR. RAPHAEL K. BASIL	22478	MALE	CERTIFICATE	IV	RESEARCH ASSISTANT	CONTRACT	N/A	N/A
63	MS. LINAH MWAKIO	22579	FEMALE	CERTIFICATE		OFFICE ASST.	CONTRACT	N/A	N/A

XIII. CORPORATE SOCIAL RESPONSIBILITY, ENVIRONMENTAL AND OUTREACH ACTIVITIES

1	Prof. J. Muthomi	Interactive Session with Postgraduate students in Manor House Agricultural College in Kitale Town	AGRA Students Manor House Agricultural College in Kitale Town	12 th May-16 th May, 2018
2	Prof. A.W. Mwang'ombe	Seminar on Advancing Young Women Agribusiness Entrepreneurs and Innovators: A Uganda, Kenya, Tanzania and US Initiative(B.Sc. Agric. (Crop Protection Major) & B.Sc. Horticulture students attended the seminar	SEMIs Large Lecture Theatre Hall	10th August, 2018
3	Dr. Dora Kilalo	Mentorship programme for the School of Business-	Uni-Plaza Building	5th – 6th October, 2018

1	Prof. J. Muthomi	Interactive Session with Postgraduate students in Manor House Agricultural College in Kitale Town	AGRA Students Manor House Agricultural College in Kitale Town	12 th May-16 th May, 2018
		Training/Sensitization- Mombasa		
4	Dr. Jane Ambuko	Taking Postharvest Management Solutions to Horticultural Farmers through Smallholder Aggregation and Processing Centres		2018

XIV. MAJOR ACHIEVEMENTS, CHALLENGES AND STRATEGIC PROJECTIONS

ACHIEVEMENTS	CHALLENGES	PROJECTIONS
Increase in research activities	Industrial strikes	Great strides in research activities
Increase in outreach activities and CSR	Delay in delivery of lab materials by suppliers	More CSR and outreach activities
Increase in members with active projects	Renovation of major infrastructure	Faster procurement process
Increase in international students on postgraduate programmes	Replacement of retired staff	Hastened replacement of retired staff/successional plan
Commensurate increase in scientific publications in refereed journals	Inadequate funding	More funding
Increase in the number of scientific publication in refereed scientific journals	Some students publishing their research in very low impact factor journals	Encourage and target high impact journals
Increase in number of postgraduate students opting to register for ODeL mode in postgraduate programmes	Low completion rate for students registered under ODeL	Revise the ODeL schedules and approach to supervision of ODeL students
Increase in the number of postgraduate students' thesis research is supported by funded projects	Delay in postgraduate students in completion of thesis research	Schedule of postgraduate seminars for tracking student progress in research