

CURRICULUM VITAE: PROF. J.W. KIMENJU

PERSONAL INFORMATION

- Name: John Wangai Kimenju
- Nationality: Kenyan.
- Host Institution: University of Nairobi
- Date of Birth: 24th April, 1962
- Marital Status: Married with two children

- Contact Address:

Department of Plant Science and Crop Protection
University of Nairobi
P.O. Box 30197-00100
Nairobi, Kenya
Cell phone: 0722499094
Office: 0202055129
E-mail: wkimenju@yahoo.com

ACADEMIC BACKGROUND

Qualification	University	Year
Ph.D (Crop Protection)	University of Nairobi	1994 – 1998
M.Sc. (Plant Pathology)	University of Nairobi	1988 – 1991
B.Sc. (Agriculture)	University of Nairobi	1984 – 1987

EMPLOYMENT RECORD

Employer	Designation	Period
University of Nairobi	Assoc. Professor	2010 - todate
University of Nairobi	Senior Lecturer	2002 - 2010
University of Nairobi	Lecturer	1999 – 2002
University of Nairobi	Assistant Lecturer	1992 – 1999
University of Nairobi	Graduate Research Assistant	1991 – 1992
Ministry of Agriculture	Agricultural Officer	1987 – 1988

MANAGEMENT POSITIONS

Dean, Faculty of Agriculture- June, 2014 todate

Responsibilities include administrative and academic leadership of the Faculty.

Chairman- Student Mentorship Sub-Committee of Senate. Terms of reference include to coordinate the implementation of the Student Mentorship Programme, and to

review, monitor and evaluate the implementation of the Student Mentorship Programme.

SMU Manager, Upper Kabete Campus – From May 2008- 2014 . Responsibilities include: strategic planning for the unit, revenue collection, financial and personnel management, procurement and control of supplies, custody and maintenance of assets, customer care, maintaining discipline in the halls of residence, staff motivation and appraisal.

Section Head, Crop Protection from 2005- 2009.

Responsibilities included coordination of teaching, processing of examinations, field trips and chairing of section meetings.

Coordinator of Module II Training Programmes from 1999- 2010.

Responsibilities include curriculum development and review, processing student admission, preparing payment for service providers, time tabling and chairing of coordination meetings.

Coordinator of Industrial Attachments in the Faculty of Agriculture from 2003-2007.

Responsibilities included building linkages with the industry, posting of students to selected industries, supervision of students on attachment, grading of attachment reports, coordinating voluntary career development attachments and chairing of coordination and planning meetings.

PEER REVIEWED PUBLICATIONS

Journal Papers after promotion to Associate Professor in 2010

1. Maina, P.K., Wachira, P.M., Okoth, S.A. Kimenju, J.W. and Mwangi, J.M. 2016. Co-occurrence and diversity of soil *Trichoderma* and *Fusarium* species from different land use intensities in Machakos County, Kenya. Archives of Current Research International 4:1 – 13.
2. Kimaru S. Linguya, Onyango C. Moraa, Kimenju J. Wangai, and Kilalo D. Chao. 2015. Potential of intercropping for management of some arthropod and nematode pests of leafy vegetables in Kenya. Journal of Agricultural Sciences 60: 301-314.
3. Wachira, P.M., Kimenju, J.W. and Otipa, M. 2015. Changes in diversity and abundance of nematode destroying fungi in land under irrigation in selected small scale irrigation schemes in Kenya. Agriculture, Forestry and Fisheries 4: 7 -13.
4. Chirchir, A.K., J. W. Kimenju, E.S. Ariga, G. M. Kariuki and C O. Omondi. 2015. Evaluating the potential of incorporating sugarcane host-plant resistance into integrated nematode management strategies. International Journal of Agricultural Policy and Research 3:213-221.

5. Luambano, N.D., R. H. Manzanilla-López, J.W. Kimenju, S. J. Powers, R. D. Narla, W.J. Wanjohi, B.R. Kerry. 2015. Effect of temperature, pH, carbon and nitrogen ratios on the parasitic activity of *Pochonia chlamydosporia* on *Meloidogyne incognita*. *Biological Control* 80: 23-29.
6. Chirchir, A.K., J. W. Kimenju, E.S. Ariga, G. M. Kariuki and C O. Omondi. 2015. Reaction of sugarcane genotypes to root-knot nematodes (*Meloidogyne* spp.) in Kenya. *International Journal of Agricultural Policy and Research*. 3: 260-266.
7. Maina, P.K., P. M. Wachira, S. A. Okoth, J. W. Kimenju, M. Otipa and J. W. Kiarie. 2015. Effects of Land-Use Intensification on Distribution and Diversity of *Fusarium* Species in Machakos County, Kenya. *Journal of Agricultural Science* 7:48-60.
8. Kimaru S.L, Kimenju, J.W., Kilalo D.C and Onyango C.M. 2014. Growth and yield response of selected species of African leafy vegetables infested with root knot nematodes (*Meloidogyne incognita*). *Global Journal of Biology, Agriculture and Health Sciences* 3:1 – 6.
9. Wachira, P.M. J.W. Kimenju, S. A. Okoth, J. W. Wangu and T. M. Ng'ang'a. 2014. Effect of land use on abundance and diversity of nematode destroying fungi and soil nematodes in Embu County, Kenya. *Journal of Agricultural Science*, Volume 6:132-141.
10. Kawaka, Fanuel, John Kimenju, Sheila A. Okoth, George Ayodo, Shelmith Mwaniki, John Muoma and George Orinda. 2014. Effects of soil chemical characteristics on the occurrence of entomopathogenic nematodes. *British Journal of Applied Science and Technology* 4: 2333-2343.
- 11..Maundu J. Nzesya, Kimenju J. Wangai, Muiru W. Maina, Wachira M. Peter, Gichuru K. Elijah. 2014. Plant parasitic nematodes associated with coffee in Kenya and factors influencing their occurrence, abundance and diversity. *Journal of Biology, Agriculture and Healthcare* 4:120-129.
12. Kimenju J.W. Maundu J.Nzesya, Muiru W. Maina, Wachira M. Peter, Gichuru K. Elijah..2014. Reaction of selected coffee germplasm to root-knot nematodes in Kenya. *Journal of Natural Sciences Research* 4: 68-75.
13. Kimenju, J.W. P. M. Wachira, J. K. Lang'at, W. Otieno & G. K. Mutua, 2014. Evaluation of selected methods for the control of plant parasitic nematodes infecting carnation. *Journal of Agricultural Science* 6:31-38.
14. Ojowi D.O., Ariga E.S., Michieka R.W. and Kimenju J.W. 2013. Farmer-friendly strategies of managing weeds in carrot (*Daucus carota* l.) production. *International Journal of Farming and Allied Sciences* 2 : 78-82.
15. Nalule, A.S., J. M. Mbaria and J. W. Kimenju. 2013. *In vitro* anthelmintic potential and phytochemical composition of ethanolic and aqueous crude extracts of *Zanthoxylum chalybeum* African Journal of Pharmacy and Pharmacology. Volume 7: 1605-1614.

16. Wachira, P.W., Kimenju, J.W, Kiarie J.W, Kihurani, A.W. and Mwaniki, S.W. 2013. Occurrence and diversity of nematode destroying fungi in banana production zones in Maragua, Kenya. *Journal of Agricultural Science* 5:180 – 186.
17. Kilalo D.C, Olubayo, F.M, Ateka, E.M., Hutchinson, M.J. and Kimenju, J.W. 2013. Monitoring of aphid fauna in passionfruit orchards in Kenya. *International Journal of Horticultural and Crop Science Research*.3: 1-18.
18. Wachira, P.M, Kimenju, J.W, Okoth, S.A. and Kiarie J.W, 2013. Diversity of nematodes and nematode destroying fungi as influenced by land use in Taita Taveta, Kenya. *Journal of Agricultural Science* 5: (12) 154 - 161
19. Wachira P.M ,Kimenju J.W,Kiarie,J.W,Kihurani, A.W, , Mwaniki S.W and Gathaara V,2013. Incidence of pests and diseases affecting banana in a commercial banana productions setting in Kenya. *International Journal of Research in Agriculture and Food Sciences* Volume 1: 23 – 29.
20. Nalule A.S., Mbaria JM, Kimenju JW, 2013. *In vitro* anthelmintic potential of *Vernonia amygdalina* and *Secamone africana* on gastrointestinal nematodes. *Agric. Biol. J. N. Am.*, 2013, 4(1): 54-66.
21. Muiru, W.M., KoopmannB., Tiedemann, A.V., Mutitu, E.W. and Kimenju, J.W. 2013. Production, purification and separation of phytotoxins from *Exserohilum turcicum* isolates of Kenyan, German and Australian origin. *Botswana Journal of Agriculture and Applied Sciences* 7:28-35.
22. Onyango, C.M., C. N. Kunyanga, E. G. Ontita, R. D. Narla and J. W. Kimenju. 2013. Current status on production and utilization of spider plant (*Cleome gynandra* L.) an underutilized leafy vegetable in Kenya. *Genetic Resources and Crop Evolution*, Volume 60: DOI 10. 10722-013-0036-7.
23. Mutembei, M.M., J.W. Kimenju and R.D. Narla . 2012. Cultivar reaction to anthracnose (*Colletotrichum gloeosporioides*) and post-harvest management of the disease in avocado (*Persea americana* Mill) in Kenya. *E. Afr. Agric. For. J.* 78:113-118
24. Kilalo D.C, Olubayo, F.M, Ateka, E.M., Hutchinson, M.J. and Kimenju, J.W. 2012. Utilization of cultural methods for controlling aphid vectors of passionfruit viruses. *E.Afr.Agric, For. J.* Volume 78: 47-54..
25. Nalule AS, Mbaria JM, Kimenju JW and Olila D 2012: Ascariocidal activity of *Rhoicissus tridentata* root-tuber ethanolic and water extracts. *Livestock Research for Rural Developmen*, 21: 44- 54.
26. Ward E., Kerry, B.R., Manzanilla-Lopez, R.H. Mutua, G., Devonshire, J. Kimenju, J. and Hirsch, P.R. 2012. The *Pochonia chlamydosporia* serine protease gene *vcp1* is subject to regulation by carbon, nitrogen and pH: implications for nematode biocontrol. *Plos One* 7: e35657.doi 101371/journal.pone 0035657.

27. Kariuki, G. M. Kimenju, J. A and Dickson D. W. 2011. Influence of different crop and nematode (*Meloidogyne arenaria*) densities on multiplication and abundance of *Pasteuria penetrans*. East African Agricultural and Forestry Journal 77: 21-29.
28. Chirchir, A.K., Kimenju, J.W., Olubayo F.M. and Mutua, G.K. 2011. Cultivar resistance of sugarcane and effects of heat application on nematodes in Kenya. International Journal of Agricultural Research 6:93-100.
29. Nalule AS, Mbaria JM, Olila D and Kimenju J W 2011: Ethnopharmacological practices in management of livestock helminthes by pastoral communities in the drylands of Uganda. Livestock Research for Rural Development 23: 36-42.
30. Otipa, M. J., Kimenju, J. W., Mureithi, J. G and Waslwa, L. 2011. Potential of an appropriate cropping program for root knot (*Meloidogyne* spp) nematode management in tomato cropping systems in Kenya. Botswana Journal of Agriculture and Applied Sciences, 7: 39-49.
31. Wepukhulu, M., John Kimenju, Beatrice Anyango, Peter Wachira and Gerald Kyallo, 2011. Effect of soil fertility management practices and *Bacillus subtilis* on plant parasitic nematodes associated with common bean, *Phaseolus vulgaris* . Tropical and Subtropical Agroecosystems, 13: 29 -36.
32. Wachira , P.M. S. Okoth, J.W. Kimenju, R.K. Mibey and J. Kiarie, 2011. Effect of soil fertility management practices on nematode destroying fungi in Taita, Kenya. Tropical and Subtropical Agroecosystems, 13: 51-57.

Book Chapters after promotion to Associate Professor in 2010

33. Wachira, Peter, John Kimenju, Sheila Okoth, and Jane Kiarie, 2014. Conservation and Sustainable Management of Soil Biodiversity for Agricultural Productivity in N. Kaneko et al. (eds.): Sustainable Living with Environmental Risks. Pages 27 – 34. Springer Open.
34. Karanja, N.K, Kimenju, J.W., Esilaba, A.O., Jefwa, J., Ayuke F.O. 2011. Legume based cropping and soil biodiversity dynamics. In: Bationo, A., Waswa, B., Okeyo, J.M., Maina, F., Kihara, J., Mokwunye, U(Eds), *Fighting Poverty in Sub-Saharan Africa: The Multiple Roles of Legumes in Integrated Soil Fertility Management*, 4:67-83. Springer Science.

Papers before promotion to Associate Professor in 2010

35. Kimenju, J.W. Mweke, A.N., Mutitu E.W. and Mutua, G.K.2010. Poor hosts of root knot nematodes and their application as rotation crops in okra production. African Journal of Horticultural Science 3: 63-71.
36. Karanja, N.K., Mutua, G.K. Ayuke, F. , Njenga, M., Prain, G. and Kimenju, J. 2010. Dynamics of soil nematodes and earthworms in urban vegetable irrigated with

- wastewater in the Nairobi River Basin, Kenya. *Tropical and Subtropical Agroecosystems* 12:521-530.
37. Kalele, D.N, Affokpon, A., Coosemans, J. and Kimenju, J.W. 2010. Suppression of Root-Knot Nematodes in Tomato and Cucumber Using Biological Control Agents. *African Journal of Horticultural Science* 3: 72-80.
 38. Muiru, W.M., Koopmann, B., Tiedemann, A.V., Mutitu, E.W. and Kimenju, J.W. 2010. Race typing and evaluation of aggressiveness of *Exserohilum turcicum* isolates of Kenyan, German and Austrian origin. *World Journal of Agricultural Sciences* 6: 277-284.
 39. Muiru, W.M., Koopmann, B., Tiedemann, A.V., Mutitu, E.W. and Kimenju, J.W. 2010. Evaluation of genetic variability of Kenyan, German and Australian isolates of *Exserohilum turcicum* isolates using Amplified Fragment Length Polymorphism DNA marker. *Biotechnology* 9: 204-211.
 40. Mwaniki, S.W., J.H. Nderitu, F. Olubayo and J.W. Kimenju. 2009. Entomopathogenic nematodes as a tool for the management of sweet potato weevil *Cylas puncticollis* Boheman in Kenya. *East African Agriculture and Forestry Journal* 75:89-95.
 41. Kimenju, J.W., Karanja, N.K., Mutua, G.K., Rimberia, B.M. and Wachira, P.M. 2009. Nematode community structure as influenced by land use and intensity of cultivation. *Tropical and Subtropical Agroecosystems* 11:353-360.
 42. Kimenju, J.W. , G.O.M. Odero, E.W. Mutitu, P.M. Wachira, R.D. Narla and W.M. Muiru 2009. Suitability of locally available substrates for oyster mushroom (*Pleurotus ostreatus*) cultivation in Kenya. *Asian Journal of Plant Sciences* 8:510-514.
 43. Machungo C., Losenge, T., Kahangi, E. Coyne, D., Dubois, T. and Kimenju J. 2009. Effect of endophytic *Fusarium oxysporum* on growth of tissue culture banana plants. *African Journal of Horticultural Science* 2: 160-167.
 44. Otipa, M.J., Kimenju, J.W., Mureithi, J.G. and Kyalo, G. 2009. Potential of rotation crops in managing root-knot nematodes (*Meloidogyne* spp.) in tomato. *African Journal of Horticultural Science* 2:111-123.
 45. Wachira, Peter M., Sheila Okoth, John Kimenju and Richard Mibey, 2009. Influence of land use and soil management practices on the occurrence of nematode destroying fungi in Taita Taveta, Kenya. *Tropical and Subtropical Agroecosystems* 10: 213 – 223.
 46. Wachira, P.M., J.W. Kimenju, S.A. Okoth and R. K. Mibey, 2009. Stimulation of nematode –destroying fungi by organic amendments applied in management of plant parasitic nematode. *Asian Journal Plant Sciences*. Volume 8: 153 – 159.
 47. Wachira, P., R.K. Mibey, S. Okoth, J. W. Kimenju and J. Kiarie, 2009. Diversity of

- nematode destroying fungi in Taita Taveta, Kenya. *Fungal Ecology* 2:60 – 65.
48. Wachira, P.M., J.W. Kimenju, S. Okoth, R.K. Mibey and J. Mung'atu. 2008. Effect of land use on occurrence and diversity of nematode destroying fungi in Taita Taveta, Kenya. *Asian Journal of Plant Sciences* 7:447-453.
49. Mwaniki, S.W., Nderitu, J.H., Olubayo, F., Kimenju, J.W., and Khuong Nguyen. 2008. Factors influencing the occurrence of entomopathogenic nematodes in the Central Rift Valley region of Kenya. *African Journal of Ecology* 46: 79-84.
50. Nyasani, J.O., J.W. Kimenju, F. M. Olubayo and M. J. Wilson . 2008. Laboratory and field investigations using indigenous entomopathogenic nematodes for biological control of *Plutella xylostella* in Kenya. *International Journal of Pest Management* 54: 355 – 361.
51. Muiru, W.M., Koopmann, B., Tiedemann, A.V., Mutitu, E.W. and Kimenju, J.W. 2008. A review of the amplified fragment length polymorphism (AFLP) technique in genotyping and DNA fingerprinting studies. *Journal of Applied Biosciences* 9: 389-395.
52. Muiru, W.M., Mutitu, E.W., Kimenju, J.W., Koopmann, B. and Tiedemann, A.V. 2008. Infectious structures and response of maize plants to invasion by *Exserohilium turcicum* (Pass). in compatible and incompatible host-pathogen systems. *Journal of Applied Biosciences* 10:532-537.
53. Muiru, W.M., Mutitu, E.W. and Kimenju, J.W. 2008. Distribution of *Turcicum* leaf blight of maize in Kenya and cultural variability of its causal agent, *Exserohilium turcicum* . *Journal of Tropical Microbiology and Biotechnology* 4:32-39.
54. Nderitu, J.H. Kasina, J.M. Kimenju, J.W. and Malenge, F. 2008. Evaluation of synthetic and neem-based insecticides for managing aphids on okra (Malvaceae) in Eastern Kenya. *Journal of Entomology* 5: 207-212.
55. Lang'at J.K., J.W. Kimenju, G.K. Mutua, W.M. Muiru and W. Otieno 2008. Response of free-living nematodes to treatments targeting plant parasitic nematodes in carnations. *Asian Journal of Plant Sciences*. 7:467-472.
56. Chirchir A.K., J.W. Kimenju, F.M. Olubayo and G.K. Mutua .2008. Abundance and distribution of nematodes associated with sugarcane in western Kenya. *Asian Journal of Plant Pathology* 2:48-53.
57. Mweke A.N. J.W. Kimenju, A.A. Seif, E.W. Mutitu and G.K. Mutua. 2008. Potential of sequential cropping in the management of root-knot nematodes in okra. *Asian Journal of Plant Sciences* 7:399-403.
58. Nyasani J.O., Kimenju J.W., Olubayo F.M, Shibairo S.I. and Mutua G.K. 2008. Occurrence of entomopathogenic nematodes and their potential in the

- management of the diamondback moth in kale. *Asian Journal of Plant Sciences* 7:314-318.
59. Kimenju, J.W. Kagundu, A.M. Nderitu, J.H. Mambala, F. Mutua, G.K. and Kariuki, G.M. 2008. Incorporation of green manure plants into bean cropping systems contribute to root-knot nematode suppression. *Asian Journal of Plant Sciences* 7:404-408.
60. Mwang'ombe, A.W.. Wagara, I.N. Kimenju, J.W. and Buruchara, R.A. 2007. Occurrence and severity of angular leaf spot of common bean in Kenya as influenced by geographical location, altitude and agroecological zones. *Plant Pathology Journal* 16:235-241.
61. Nyongesa M.W., Coosemans J. and Kimenju, J.W.2007. Evaluation of *Verticillium chlamydosporium* and *Arthrobotrys oligospora* for biological control of *Meloidogyne incognita* in celery and tomato. *Journal of Tropical Microbiology and Biotechnology* 3: 51-58.
62. Wagara, I.N. , Mwangómbe A.W. Kimenju, J.W. and Buruchara, R.A. 2007. Variation in aggressiveness of *Phaeoisariopsis griseola* and angular leaf spot development in common bean. *Journal of Tropical Microbiology and Biotechnology* 3: 3-13.
63. Waceke J. W. and Kimenju J. W. 2007. Intensive subsistence agriculture- impacts, challenges and possible interventions. *Dynamic Soil, Dynamic Plant* 1:43-53.
64. Kimani, J.M., Kimani, P.M., Githiri, S.M. and Kimenju, J.W. 2007. Mode of inheritance of common bean (*Phaseolus vulgaris* L.) traits for tolerance to low soil phosphorus (P). *Euphytica* 155:225-234.
65. Muiru, W.M., Mutitu, E.W. and Kimenju, J.W. 2007. Reaction of some Kenyan maize genotypes to turicum leaf blight under greenhouse and field conditions. *Asian Journal of Plant Sciences* 6:1190-1196.
66. Arim O. J., Waceke J. W., Waudu S. W., and Kimenju J. W. 2006.Effects of *canavalia ensiformis* and *Mucuna pruriens* intercrops on *Pratylenchus zaeae* damage and yield of maize in subsistence agriculture. *Plant and Soil* 284: 243 – 251.
67. Wagara, I.N.; Mwang'ombe, A.W.; Kimenju, J.W. and Buruchara, R.A.. 2005. Virulence, variability and physiological races of the angular leaf spot pathogen, *Phaeoisariopsis griseola* in Kenya. *African Plant Protection Journal* 11:23-31.
68. Wagara, I.N.; Mwang'ombe, A.W.; Kimenju, J.W.; Buruchara, R.A.; Jamnadass, R. and Majiwa, P.A.O. 2004. Genetic diversity of *Phaeoisariopsis griseola* in Kenya as revealed by AFLP and group-specific primers. *Journal of Phytopathology*, Vol. 152: 235-242.

69. Ateka, E.M., R.W. Njeru, A.G. Kibaru, J.W. Kimenju, E. Barg, R.W. Gibson, H.J. Vetten. 2004. Identification and distribution of viruses infecting sweet potato in Kenya. *Annals of Applied Biology* 144:371-379.
70. Kimenju, J.W., Muiru, D.M., Karanja, N.K. Nyongesa, M.W. Miano, D.W. and Mutua, G.K. 2004. Assessing the role of organic soil amendments in management of root-knot nematodes on common bean, *Phaseolus vulgaris* L. *Journal of Tropical Microbiology* 3:14-23.
71. Kimenju, J.W., Karanja, N.K. and Nyongesa, M.W. 2004. Diversity and abundance of nematodes in agroecosystems of Kenya. *Journal of Tropical Microbiology* 3:24-33.
72. Kimani, J.M., P. M. Kimani, S.M. Githiri and J.W. Kimenju. 2003. Genetic variation for tolerance to low soil nitrogen in common bean (*Phaseolus vulgaris*L). *African Crop Science* 6: 464-470.
73. Ateka, E.M., Mwang'ombe, A.W. and Kimenju, J.W. 2001. Studies on the interaction between *Ralstonia solanacearum* (Smith) and *Meloidogyne* spp. in potato. *African Crop Science Journal* 9: 527 – 535.
74. Ateka, E.M., A.W. Mwang'ombe and J.W. Kimenju. 2001. Reaction of potato cultivars to *Ralstonia Solanacearum* in Kenya. *African Crop Science Journal* 9: 251 – 256.
75. Kimenju, J.W., Karanja, N.K., and Macharia, I. 1999. Plant parasitic nematodes associated with common bean in Kenya and the effect of *Meloidogyne* infection on bean nodulation. *African Crop Science Journal* 7:503 – 510.
76. Kimenju, J.W., Waudu, S.W., Mwang'ombe, A.W., Sikora, R.A. and Schurter, R.P. 1998. Distribution of lesion nematodes associated with maize in Kenya and susceptibility of maize cultivars to *Pratylenchus zae*. *African Crop Science Journal* 6:367 – 375.

Book Chapters

77. Castillo G.P., J.N. Wintgens and J.W. Kimenju 2009. Nematodes in Coffee pp.478-494. In J.N.Wintagens (Ed) *Coffee: Growing, Processing and Sustainable Production*. Wiley-VCH, Winheim.
78. Karanja N.K., Mutua G.K. and Kimenju J.W. 2007. Evaluating the effect of *Bacillus* and *Rhizobium*. bi-inoculants on nodulation and nematode control in *Phaseolus vulgaris* L. In: A. Bationo (eds.), *Advances in Integrated Soil Fertility Research in Sub-Saharan Africa : Challenges and Opportunities*, 863–868.
79. Otipa, M.J., Kimenju, J.W., Mutua, G.K. and Ateka, E.M. 2006. Pests and diseases in green manure legumes: prevalence and management. Pages 323 – 344 In:

- Development and Up-scaling of Green Manure Legume Technologies in Kenya. Kenya Agricultural Research Institute, Nairobi, Kenya.’
80. Sikora, R.A., Niere, B. and Kimenju, J.W. 2003. Endophytic microbial biodiversity and plant nematode management in African agriculture. In: Biological Control in IPM Systems in Africa. CABI Publishers, CAB International, Wallingford. Pages 179-192.
 81. Nancy K.Karanja, John W.Kimenju, Isaac Macharia and David M. Muiru 2003. Plant parasitic nematodes associated with common bean (*Phaseolus vulgaris* L.) and integrated management approaches. In “ Biological Management of Soil Ecosystems for Sustainable Agriculture “.World Soil Resources Reports 101.(<http://www.fao.org/DOCREP/006/Y4810E/y4810e00.htm>)

PROCEEDINGS OF CONFERENCES AND WORKSHOPS

1. Kimaru,S.L.,Kimenju,J.W.,Kilalo,D.C.and Onyango,C.M. 2013.Potential of combining host plant resistance and intercropping in the management of root-knot nematodes and insect pests in the indigenous leafy vegetables.11th African Crop Science Society Conference 13-17th October 2013,Entebbe-Uganda.
2. Nzesya J.M. Kimenju, Muiru, Gichuru E.K. Mutua and Wachira, P.M. 2012. Reaction of coffee germplasm to root knot nematodes (*Meloidogyne* spp 13th KARI Biennial Scientific Conference 22- 26 October 2012.
3. Njeru E.S., J.W. Kimenju, M.M. Waithaka and S.B. Wepukhulu. 2012. Response of banana genotypes to lesion nematodes in Central Kenya. 13th KARI Biennial
4. Ojowi D. O, Ariga, E. S., Michieka, R. W., and Kimenju, J. W. 2011. Farmer-friendly strategies of managing weeds in carrots (*Daucus carota* L.) Agro 2011- Inaugural Biennial Conference 26th-28th Sept. 2011,Nairobi, Kenya.
Scientific Conference 22- 26 October 2012.
5. Odero G. M., Mutitu, E. W., Kimenju, J. W., Maina, W. M., Wachira, P. M. 2011. Effect of pH on suitability of substrates for oyster mushroom (*Pleurotus ostreatus*) cultivation. Agro 2011- Inaugural Biennial Conference 26th-28th Sept. 2011,Nairobi, Kenya.
6. Nzesya, J. M., Kimenju, J. W., Muiru, W. M., Mutua, G. K., and Wachira, P. M. 2011. Plant parasitic nematodes associated with coffee in Kenya. Agro 2011- Inaugural Biennial Conference 26th-28th Sept. 2011,Nairobi, Kenya.
7. Mutembei M. M., Kimenju, J. W., and Narla, R. D. 2011. Cultivar reaction of Anthracose (*Colletotricum gloeosporioides*) and post-harvest management of the disease in avocado. Agro 2011- Inaugural Biennial Conference 26th-28th Sept. 2011,Nairobi, Kenya.
8. Kilalo D. C.,Olubayo, F. M., Ateka, E. M., Hutchinson, M. J., and Kimenju, J. W. 2011. Utilization of cultural methods for controlling aphid vectors of passion fruit

- viruses. Agro 2011- Inaugural Biennial Conference 26th-28th Sept. 2011,Nairobi, Kenya.
9. Okati S. J. K., Wangia S. S. M., Mbugua P., Kimenju J. W., Mutiga E. R., Kinama J. M., Ojoo R., Ndutu J. and Mongare P. 2011. Impacts of climatic change and variability on the livestock based livelihood in Enkaroni location of Kajiado district. Agro 2011- Inaugural Biennial Conference 26th-28th Sept. 2011,Nairobi, Kenya.
 10. Munyao, J. N., Kinama J. M., Kimenju J. W., Ndutu, J. M., Mutiga, E. R., and M. W. K. Mburu. 2011. Rain water harvesting for improved livestock production under climatic variability and change in Kajiado, Kenya. Agro 2011- Inaugural Biennial Conference 26th-28th Sept. 2011,Nairobi, Kenya.
 11. Wachira, P. M., Kimenju J. W., Okoth S., and Mibey, R. K. 2011. Restoration of natural regulatory mechanisms of plant parasitic nematodes in intensively cultivated land. Agro 2011- Inaugural Biennial Conference 26th-28th Sept. 2011,Nairobi, Kenya.
 12. Kimenju J. W., P. M. Wachira, N. K. Karanja, S. A. Okoth, J. P. H. Kahindi, J. M. Jefwa, G. N. Nyamasyo, E. Muya, B. Mutsotso, M. Gikungu, M. Kibberenge, and H. Roimen. 2011. Impact of land use intensity on selected soil organisms in Taita and Embu benchmark sites, Kenya. Agro 2011- Inaugural Biennial Conference 26th-28th Sept. 2011, Nairobi, Kenya.
 13. Kimenju J. W., Langat, J. K., Wachira, P. M., Otieno, W., and Mutua G. K. 2011. Management of plant parasitic nematodes using non-chemical strategies under intensive carnation production systems. Agro 2011- Inaugural Biennial Conference 26th-28th Sept. 2011,Nairobi, Kenya.
 14. Karanja, N.,Mutua, G. K, Ayuke, F., Ndukhu, H., and Kimenju, J. W. 2011. Nematode diversity and the effects of *Bacillus* and *Rhizobium* on the management of plant parasitic nematodes in common bean. Agro 2011- Inaugural Biennial Conference 26th-28th Sept. 2011,Nairobi, Kenya.
 15. Kimenju, J.W. Lang'at, J.K. Wachira, P.M., Otieno.W. and Mutua, G.K. 2011. Non-chemical options in the management of plant parasitic nematodes under intensive carnation production systems. 10th African Crop Science Society Conference 10 – 13th October 2011, Maputo, Mozambique.
 16. Luambano, N., Kimenju, J.W., Narla, R.D. and Wanjohi, W. 2011. Colonization of the biological agent *Pochonia chlamydosporia* in the rhizosphere of plants which are poor hosts to root-knot nematodes. 10th African Crop Science Society Conference 10 – 13th October 2011, Maputo, Mozambique.
 17. Mutua, G.K., Karanja, N.K., Ayuke, F.O., Ndukhu, H. and Kimenju, J.W.,2011. The potential of *Bacillus subtilis* and *Rhizobium leguminosarium* in controlling plant parasitic nematodes in farmers' fields. African Crop Science Conference

18. Nalule, A.S., Mbaria, J.M., Olila, D. and Kimenju, J.W. 2010. Ethnopharmacology, phytochemical and toxicity of medicinal plants used against livestock helminthes in drylands of Uganda. Second RUFORUM, Biennial meeting and conference 20-24th September, 2010, Entebbe, Uganda.
19. Nysani, J.O., Kimenju, J.W. and Olubayo, F.M. 2008. Occurrence of entomopathogenic nematodes and their potential in the management of diamondback moth on kale. Proceedings of the 5th International Congress of Nematology held on 13-19th July at Brisbane Convention and Exhibition Centre, Brisbane Australia.
20. Kalele, D., Coosemans J., Affokpon, A. and Kimenju. J.W. Suppression of root-knot nematodes in tomato and cucumber using biological control agents. The 7th Workshop of the Horticultural Association of Kenya held at the University of Nairobi/Kenya, 28th Nov. – 1st Dec. 2007. The student scooped the first prize in the category of original and best presentation.
21. Mutua, G.K., Coosemans, J., Affokpon, A., and Kimenju, J.W. Evaluation of *Pochonia chlamydospora* (Zare & Gams) and *Trichoderma asperellum* (Gams & Bisset) for use in root-knot nematode management in tomato. The 7th Workshop of the Horticultural Association of Kenya held at the University of Nairobi/Kenya, 28th Nov. – 1st Dec. 2007.
22. Nyasani, J.O., Kimenju, J.W., Olubayo, F.M. and Shibairo, S.I. Occurrence of entomopathogenic nematodes and their potential in the management of diamondback moth on kale. The 7th Workshop of the Horticultural Association of Kenya held at the University of Nairobi/Kenya, 28th Nov. – 1st Dec. 2007. The student scooped the third prize in the category of oral presentations.
23. Otipa, M., Kimenju, J.W., and Mutitu, E.W. Cropping systems as a tool in root-knot nematode management in tomato. The 7th Workshop of the Horticultural Association of Kenya held at the University of Nairobi/Kenya, 28th Nov. – 1st Dec. 2007.
24. Mweke, A.N., Kimenju, J.W., Mutitu, E.W., and Seif, A.A. Crop rotation as a potential sustainable strategy in the management of root knot nematodes in Okra. The 7th Workshop of the Horticultural Association of Kenya held at the University of Nairobi/Kenya, 28th Nov. – 1st Dec. 2007.
25. Luambano, N., Kerry, B., Kimenju, J. W., Narla, R. D. and Wanjohi, W. Organic amendments as substrates for mass production of biological control agent *Pochonia chlamydosporia*. The 7th Workshop of the Horticultural Association of Kenya held at the University of Nairobi/Kenya, 28th Nov. – 1st Dec. 2007.

26. Kimenju, J.W. Kinyua, Z.M., Otipa, M.J., Nyangeri, J.B., Achwanya, O.S. and Narla, R.D. Weeds perpetuate devastating soil-borne plant diseases. The 7th Workshop of the Horticultural Association of Kenya held at the University of Nairobi/Kenya, 28th Nov. – 1st Dec. 2007.
27. Kimenju, J.W., M.J. Otipa, E. W. Mutitu and P. M. Wachira .2007.Potential of well-designed cropping cycles for root-knot nematode management in tomato. Proceedings: 18th Nematology Society of South Africa Conference, 6-9th May, 2007. Port Elizabeth, South Africa.
28. Nyasani, J.O., Kimenju, J.W., Olubayo, F.M. and Wilson, M.J. 2007. Potential of using entopathogenic nematodes in the management of diamondback moth (*Plutella xylostella*, L.) in Kenya. African Crop Science Conference Proceedings 7: 1063-1066.
29. Kimenju, J.W., Kagundu A.M., Nderitu, J.H., Mutua, G. K. 2007. Use of green manure plants in cropping systems to suppress root-knot nematodes. African Crop Science Conference Proceedings 7: 1083-1086.
30. Njeru E.S., Kimenju J.W. and Amboga S.C. (2006). Soil Organic Amendments: a useful tool in improvement of banana productivity in Kenya. Proceedings: 10th KARI Biennial Scientific Conference, 12-17th November 2006. Nairobi.
31. Njeru E.S., Kimenju J.W., Mutitu E.W. and Waithaka, M.M. (2005). Utilization of organic resources in the Management of banana nematodes in central Kenya. Proceedings of the 5th Workshop on Sustainable Horticultural Production in the Tropics. 24th-27th November 2005. Egerton University, Njoro, Kenya.
32. Kimenju, JW., Karanja, NK., Mutua, GK., Rimberia, BM. and Nyongesa, M.W. 2005. Impact of land use changes on nematode diversity and abundance. *African Crop Science Conference Proceedings, Vol. 7. pp. 433-436.*
33. Nyongesa, M.W, Coosemans, J and Kimenju, JW. 2004. Evaluation of *Verticillium chlamydosporium* and *Arthrobotrys oligospora* for biological control of *Meloidogyne incognita* in celery and tomato. In: Demand driven agricultural research for sustainable resource base, food security and incomes. *Proceedings of the 8th Biennial Scientific conference, KARI. 11-15 November, 2002. Nairobi. pp 187-193.*
34. Arim O. J., Waceke J. W., Waudu S. W., and Kimenju J. W. 2004. The potential use of leguminous green manure and cattle manure in suppressing lesion nematodes (*Pratylenchus* spp.) on maize (*Zea mays* L.). *Capacity Building for Food Security, 21st Annual Conference of the Soil Science Society of East Africa (SSSEA), 1-5TH December 2003, Eldoret, Kenya.*
35. Arim O. J., Waceke J. W., Waudu S. W., and Kimenju J. W. 2004. The potential use of *Canavalia ensiformis* and *Mucuna pruriens* intercrops in minimizing lesion

- nematodes (*Pratylenchus* spp.) damage on maize (*Zea mays* L.). *Second Regional Microbiology Conference on Recent Advances in Microbial Research and their Implication to Health, Agriculture and Environment. 16-19th March 2004, Nairobi, Kenya.*
36. Arim O. J., Waceke J. W., Waudu S. W., and Kimenju J. W. 2004. The potential use of leguminous green manure and cattle manure in suppressing lesion nematodes (*Pratylenchus* spp.) on maize (*Zea mays* L.). *Second Regional Microbiology Conference on Recent Advances in Microbial Research and their Implication to Health, Agriculture and Environment. 16-19th March 2004, Nairobi, Kenya.*
 37. Arim O. J., Waceke J. W., Waudu S. W., and Kimenju J. W. 2003. The potential use of *Canavalia ensiformis* and *Mucuna pruriens* intercrops in minimizing lesion nematodes (*Pratylenchus* spp.) damage on maize (*Zea mays* L.). *Sixth Biennial Conference of the African Crop Technologies to Alleviate Hunger and Poverty in Africa 12-17th October 2003, Nairobi, Kenya.* 97.
 38. Wagara, I.N.; Mwang'ombe, A.W.; Kimenju, J.W.; Buruchara, R.A. and Kimani, P.M. 2003 Pathogenic variability in *Phaeoisariopsis griseola* and response of bean germplasm to different races of the pathogen. *African Crop Science Conference Proceedings, Vol.6:352-357.*
 39. Ateka, E.M., R.W. Njeru, A.G. Kibaru, J.W. Kimenju, E. Barg, R.W. Gibson, H.J. Vetten. 2002. Identification and distribution of viruses infecting sweet potato in Kenya. *The VIIIth International Plant Virus Epidemiology Symposium, Ashersleben, Germany. 12-17 May, 2002.* pg 71.
 40. Arim O. J., Waceke J. W., Waudu S. W., and Kimenju J. W. 2002. Response of cover crops and commercial maize (*Zea mays* L.) varieties cultivated in Central highlands of Kenya to *Pratylenchus* spp. (Lesion nematodes). *Fifth Regional Forum for Agricultural Resource Husbandry 12-16th August 2002, Entebe, Uganda.* 318-319.
 41. Macharia, I., J.W. Kimenju, N.K. Karanja, E.W Mutitu and R.A. Sikora 2001. Isolation and Screening of *Bacillus* spp. for root-knot nematode control in beans (*Phaseolus vulgaris* L.). *Proceedings of 5th of African Crop Science Conference. Lagos Nigeria.*
 42. Ateka, E.M., R.W. Njeru, R.W. Gibson, J.W. Kimenju, E. Barg, A.G. Kibaru, and H.J. Vetten. 2001. Farmers knowledge and management of sweet potato virus disease in Kenya. *Proceedings of the African Crop Science Conference, 22-26 October 2001. Lagos Nigeria.* pp 631-633.
 43. Kimenju, J.W., E.S. Ariga and L.M. Kageya, 2000. Reproductive potential of root-knot nematodes in weeds (*Meloidogyne* spp.). *Proceedings of 17th Weed Science Society of East Africa Conference.*

44. Njeru, R.W., Ateka, E.M. and Kimenju, J.W. 2000. Preliminary findings on occurrence of sweet potato diseases in Kenya. African Potato Association Proceedings 5:369 – 371.
45. Kimenju, J.W. and Karanja, N.K, 2000. Nematodes associated with beans and the response of bean germplasm to *Meloidogyne ineognita*. Extended abstract in proceedings of the 4th regional Meeting of the Forum for Agricultural Resource Husbandry (RF) 10-14th July 2000, Lilongwe, Malawi (pp. 85-87).
46. Macharia, I, Kimenju, J.W., Karanja, N.K. and Mutitu, E.W, 2000. Effect of *Bacillus spp.* on root knot nematode population and galling in beans. Extended abstract in proceedings of the 4th regional Meeting of the Forum for Agricultural Resource Husbandry (RF) 10-14th July 2000, Lilongwe, Malawi (pp. 108-109)
47. Kimani, P.M., Mwang'ombe, A.W. and Kimenju, J.W. 1994. Performance of bean lines selected for multiple resistance across environments in Kenya. Presented at the Fourth Regional Workshop on Bean Research in Eastern Africa, 30th – 3rd June, 1994, Kampala, Uganda. CIAT Regional Programme on Beans in Eastern Africa, Dar es Salaam, Tanzania.
48. Kimani, P.M., Mwang'ombe, A.W. and Kimenju, J.W. 1993. Performance of advanced generation bean lines selected for multiple resistance. Presented at the Third Regional Workshop on Bean Research in East Africa, 1 – 4 March 1993, Thika, Kenya.

OTHER PUBLICATIONS

- Kimenju, J.W. Z. Sibanda, H. Talwana and W. Wanjohi. 2005. Nematology training manual developed under the umbrella of the Nematology Initiative of Eastern and Southern Africa with support from Gatsby Foundation.
- Kimenju, J.W. , N.K. Karanja, S.A. Okoth, P.M. Wachira, J.P.H. Kahindi, J.M Jefwa, G.N Nyamasyo, E. Muya, B. Mutsotso, M. Gikungu, H. Roimen and M. Kibberenge, 2010. Effetc of land use intensification and soil fertility management practices on soil biodiversity in Embu and Taira, Kenya. A **Farmer's Report**
- Kimenju J .W., Mwaniki S.W, Wachira P.M, Gathaara V, Muturi P.W, Kihurani A.W, Dora K, Kinyanjui C, and Otipa M, 2014. An Introduction to Banana Production and Marketing, A **Farmer Manual**

GRADUATE STUDENT SUPERVISION

Masters Students

1.Miano, D.W. M.Sc. Study entitled:” Optimization of carbon: nitrogen ratio in organic amendments for the control of root-knot nematodes”

Status: Student graduated in 1999.

2. Ateka E. M.Sc. Study entitled:” Studies on the interaction between root-knot nematodes and bacterial wilt of potato”.

Status: Student graduated in 1999.

3. Kimani J.M. M.Sc. Study entitled:” Combining ability and heterosis in intergene pool crosses of *Phaseolus vulgaris*.

Status: Student graduated in 2001.

4. Macharia, Isaac. M.Sc. study entitled” Biological control of root-knot nematodes (*Meloidogyne spp.*) affecting common bean (*Phaseolus vulgaris*L.) using *Basillus spp.*”

Status: Student has graduated.

5. Kagundu, A.M. M.Sc. study entitled “Effect of green manure plants on root-knot nematodes (*Meloidogyne spp.*) infecting common bean (*Phaseolus vulgaris* L.)

Status: Student has graduated.

6. Otipa, M.J. M.Sc. study entitled “Utilization of antagonistic plants in management of root-knot nematodes (*Meloidogyne spp.*) in tomato (*Lycopersicon esculentum* Mill).

Status: Student has graduated.

7. Arim, O.J.M.Sc. Study entitled “Integrated control of lesion nematodes (*Pratylenchus spp.*) in maize (*Zea mays* L.)”.

Status: Student has graduated.

8. Allan Ndua Mweke Msc. Study entitled “Management of root-knot nematodes in okra (*Abelmoschus esculentus*) using nematode suppressive crops and organic amendments”

Status: Student has graduated.

9. Ounya, J.N. Msc. Study entitled “Potential of using entomopathogenic nematodes in management of diamondback moth *Plutella xylostella* on kale.

Status: Degree awarded.

10. Alexander Chirchir Msc. Study entitled “Nematodes associated with sugarcane and their management using host resistance and cropping systems.”

Status: Degree awarded.

12. Japheth Langát Msc. Study entitled “An ecological approach to nematode management in roses.”

Status: Degree awarded

13. Haggai Ndukhu Msc. Study entitled “Dynamics of nematode communities as influenced by land use, soil fertility management practices and *Bacillus subtilis*.”

Status: Degree awarded.

14. Odero, G. M. Study entitled: “An evaluation of locally available materials as substrates for oyster mushroom production in Kenya”

Status: Degree awarded.

15. Kawaka, J. F. Impact of land use and cropping systems on the distribution, occurrence and diversity of entomopathogenic nematodes in Embu and Taita Districts, Kenya.

Status: graduated in September, 2010.

16. Wepukhulu, M. N. Study entitled “ Abundance and diversity of *Bacillus subtilis* and plant parasitic nematodes affecting common bean (*Phaseolus vulgaris*) under different soil fertility management systems.

Status: Student graduated in September, 2010.

17. Okati, S.J.K. Impact of climate variability and change on the livestock based livelihood in Enkaroi Location, Kajiado District, Kenya.

Status: Graduated in September, 2010.

18. Mutembei, M.M Study entitled. “Cultivar reaction to anthracnose (*Colletotrichum gloeosporioides*) and post-harvest management of the disease in avocado (*Persea americana* Mill) in Kenya” **Status:** Graduated in 2010.

19. Moenga, B. O. An assessment of the impact of climate change on livestock diseases in Kajiado District, Kenya.

Status: Graduated in September 2010.

20. Munyao, Ngila. Study entitled “Early warning systems and rain water harvesting technologies as coping mechanism against climate change in Enkoroi, Kajiado, Kenya”

Status: graduated in 2011.

21. Thurania S.G. Study entitled “Evaluation of low cost materials and techniques for spawn production by farmers in Kenya”. **Status:** graduated in 2013.

22. Linguya K. Samuel. Study entitled “Potential of combining host resistance and intercropping in the management of insect pests and root-knot nematodes in indigenous leafy vegetables” **Status:** graduated in 2013.

23. Ouma, Elly. Study entitled “Integrating phosphonate fungicide and varietal resistance in the management of late blight in potato” **Status:** graduated in 2013.

24. Ojowi Daniel. Study entitled “Integrated weed management options in carrot (*Daucus carota*) production” **Status:** graduated in 2013.

25. Gitonga D.K. Study entitled “Reaction of French bean cultivars to root-knot nematodes (*Meloidogyne* spp.) and control of the nematodes using a new nematicide (BCS-AR83685).

Status: Graduated in 2014.

27. Charles K. Alice. Study entitled “Reaction of maize germplasm to common foliar diseases and variability of maize streak virus isolates” **Status:** Graduated in 2015.

28. Thuo Andrew K. Study entitled “Assessment of soil health using nematode assemblage and soil characteristics in Vertisols, Cambisols and Arenosols of Kenya.

Status: Graduated in 2014.

Ph.D Students

29. Ateka M.E. Ph.D Study entitled:” Distribution and characterization of viruses affecting sweet potato in Kenya.

Status: degree awarded.

30. Wagara, I.N. Study entitled “Molecular characterization of the angular leafspot pathogen and reaction of bean germplasm to the major races.

Status: degree awarded.

31. Muiru, W.M. Study entitled “Histological studies and characterization of races of *Exserohilium turcicum*, the causal agent of northern leaf blight of maize in Kenya.”

Status: degree awarded.

32. Mwaniki Shelmith. Ph. D study entitled ‘Use of entomopathogenic nematodes in sweet potato weevil control.

Status: Degree awarded.

33. Wachira, P.M. Study entitled: “Effect of soil fertility management practices on nematodes and nematode destroying fungi.”

Status: Degree awarded.

34. Nessie Luambano Ph.D. study entitled: “Integrated management of root-knot nematodes using biocontrol agents, crop cycles and organic amendments”

Status: Graduated in September, 2010.

35. Nalule A Sarah. PhD study entitled ‘ Ethnopharmacological practices in management of livestock helminthes by pastoral communities in the drylands of Uganda’ **Status:** Graduated in 2010

36. Dora Chao Kilalo Study entitled: “Causal Agent(s), Transmission and Management of the Passion Fruit Woodiness Disease.”

Status: Graduated in 2012.

37. Chirchir Alexander Kipkorir Study entitled “Integrating Host Resistance with Tolerance in Multiple Cropping Systems for Management of Plant Parasitic Nematodes in Sugarcane” **Status:** Graduated in 2015

RESEARCH GRANTS

1. Distribution, abundance and diversity of nematodes associated with common bean (*Phaseolus vulgaris* L.) and their effect on bean growth and nodulation.

A preparation grant funded by The Rockefeller Foundation under FORUM for Agricultural Resource Husbandry.
2. Non-chemical strategies of maintaining vegetable nurseries free from plant parasitic nematodes. A research project funded by Deans' Committee of The University of Nairobi.
3. Integrated control of root-knot (*Meloidogyne* spp.) nematodes affecting common bean (*Phaseolus vulgaris* L.) using antagonistic rhizobacteria, resistant bean cultivars and manure. A research project supported by the FORUM for Agricultural Resource Husbandry.
4. Integrated control of nematodes in maize/bean cropping systems. A collaborative project between the University of Nairobi and Kenyatta University funded by The Rockefeller Foundation under FORUM for Agricultural Resource Husbandry.
5. Building capacity in plant nematology in East and Southern Africa. A collaborative project with Rothamsted International supported by Gatsby Foundation, 2005.
6. Commercialization of mushroom and mushroom products for improved livelihoods through an integrated value chain approach. A collaborative project funded by The Kenya Agricultural Productivity Project (KAPP), 2008.
7. Preventive and integrated management of pests and diseases for improved food safety and productivity of passion fruit in Kenya. A collaborative project funded by the Horticultural Research Fund, 2008.
8. Nutrient regulation of the saprotroph to parasite transition in *Pochonia chlamydosporia*, a soil microbial inoculant for nematode control. A collaborative project with Rothamsted International supported by BBSRC/DFID under the Sustainable Agricultural Research for International Development (SARID), 2008.
9. A Soil Health Strategy for Boosting Multi-Sector Rural Development in Sub-Saharan Africa. A collaborative research project between University of Nairobi and Michigan State University, 2012 – 2014.
10. ASARECA Funded MLN Project. Sub-Grant Agreement Number SAFSN/01. Reference Number ASARECA_RC_SAFSN-01/2014. Integrated Management of Maize Lethal Necrosis in Eastern and Central Africa'. **US\$1,995,100**. Project involves 7 ECA countries and 12 institutions.

COURSES/ WORKSHOPS ATTENDED

Nematology Society of South Africa Conference held at Hayview, South Africa on 17th to 21st May, 2009. Presented a poster entitled “ Impact of Land Use and application of organic amendments on the Occurrence of Nematode destroying Fungi and Plant Parasitic Nematodes”.

Kenya Society of Microbiologists Workshop held at The University of Nairobi on 14th March 2009. Presented a paper entitled “ Deployment of Microorganisms and their Products in Crop Production”.

Finance for non-finance managers held at UNES headquarters on 2nd to 6th March 2009. Participated as the SMU Manager- Upper Kabete.

Horticultural Association of Kenya Workshop held at Masinde Miroliro University on 8th to 11th December 2008. Presented a paper entitled “Constraints to banana production and strategies for their management”.

Regional Training in Plant Nematology held at KEFRI from 16th July to 3rd August 2007. Participated as the local organizer and resource person on integrated nematode management.

Scientific Writing and Proposal Development workshop held at The School of Monetary Studies from 26th to 31st May 2007. Developed a proposal that was funded by the Commission for Higher Education.

Nematology Society of South Africa Symposium held at Port Elizabeth, South Africa on 6th to 9th May 2007. Presented a paper entitled “The potential of well-designed cropping sequences in root-knot nematode management.”

Regional Plant Disease Diagnostic Training Workshop held at National Agricultural Research Laboratories from 5th -9th March 2007. Facilitated as a resource person in nematode diagnostics.

Faculty of Agriculture (University of Nairobi) Strategic Planning Workshop held at the Nyali Beach Hotel, Mombasa, Kenya. (26th – 29th Oct. 2003).

The First Kenya DAAD Scholars Association (KDSA) Regional Conference. Held at University of Nairobi, Kenya. (29th Nov. – 1st Dec. 2006).

Training of Trainers Course in Plant Nematology held at ILRI from 5th July – 19 August 2005.

African Crop Science Society Conference. held at Hilton Nairobi Hotel, Kenya. (12th – 17th Oct., 2003). Participated as an organizer and presented a paper.

Faculty of Agriculture (University of Nairobi) Curriculum Development on Agricultural Science and Resource Management in the Tropics and Subtropics (ARTS)
Workshop held at the Methodist Guesthouse, Nairobi, Kenya. (19th – 21st Nov. 2001).

CONSULTANCIES

African Agricultural Technology Foundation, 2007. Report on Risk Assessment Associated with Development of Transgenic Banana with Resistance to Banana Bacterial Wilt by Amugune N., Kinyamario J. and Kimenju, J.W.

Public Universities Inspection Board, 2005. Report on Evaluation of Standards for Quality Assurance for Faculties of Agriculture Programmes in Public Universities by Lenga, F.K. and Kimenju, J.W.

COMMUNITY SERVICE

Member, Board of Management of Gathera Secondary School- 2010 – 2013

Member, Board of Management of Mumbuini Secondary School 2013 – to date

Patron- Mumbuini Primary and Secondary School Complex- From 2002- to date

St Raphael Catholic Church Ndumboini- Support towards development of church facilities

OTHER RELEVANT SKILLS GAINED

Principles and Skills of Team Building

Results Based Management

Curriculum Development and Review

Establishment of Partnerships and Linkages with Stakeholders

REFEREES

Prof. R.W. Michieka
University of Nairobi
P.O. Box 1125-30100
NAIROBI
michiekar@yahoo.com
Tel: 0725972872

Prof. Shellemiah Keya
University of Nairobi
P. O. Box 30197-01000
NAIROBI
shellemiahkeya@yahoo.com
Tel: 0728607673

Prof. Dickson Nyariki
DVC - SEKU
P.O. BOX 170-90200
KITUI
dickson.nyariki@yahoo.com
Tel: 0722770461

Prof. Mary Mburu
Academic Reg.- SEKU
P.O. Box 170-90200
KITUI
mwambui2011@gmail.com
Tel: 0724416769