



UNIVERSITY OF EMBU

STAFF PROFILE

FULL NAME	DR. BERNARD MUKIRI GICHIMU, PhD
QUALIFICATION	PhD (Plant Breeding); MSc. Horticulture; BSc. Horticulture
PROFESSION	Plant Breeder & Agronomist
POSITION	Senior Lecturer
DEPARTMENT	Water & Agricultural Resource Management
SCHOOL	Agriculture
AREA OF SPECIALIZATION	Coffee Breeding & Horticulture
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SHORT BIOGRAPHY

Dr. Bernard Mukiri Gichimu is a Senior Lecturer in the Department of Water & Agricultural Resource Management, University of Embu. He holds BSc. and MSc. Degrees in Horticulture from Maseno University and PhD in Plant Breeding from JKUAT. Previously, he worked in Horticultural Companies before joining Coffee Research Institute (formerly Coffee Research Foundation) in Ruiru as a Plant Breeder and the Head of Plant Breeding Section, where he worked for 6 years. Bernard has published widely in peer-reviewed journals and participated in numerous academic and professional conferences. He has also managed several donor-funded projects and fostered several collaborative partnerships. Besides, Bernard has participated in many local and international consultancy missions and he is an active player in the Agriculture Sector in Kenya and an active member of Horticultural Association of Kenya and Plant Breeders Association of Kenya. Bernard is widely travelled locally and internationally including Saudi Arabia, Netherlands, USA, Colombia, Costa Rica, Italy, Indonesia, India, South Africa, Ethiopia, Zimbabwe, Uganda and Tanzania. He is also a mentor to many.

CURRENT RESEARCH INTERESTS

Coffee Improvement, Horticulture, Food Security and Climate Change

PUBLICATIONS IN REFEREED JOURNALS

- 1) Peter Njeru, H. Michael G. Lattorff, **Bernard M. Gichimu**, Mark Otieno, Elfaith Abdel-Rahman, Marian Adan, Thomas Dubois (*In Press*). Species Composition and Population Dynamics of Pumpkin (*Cucurbita maxima*) Pests and Their Natural Enemies across Different Landscapes in Machakos County, Kenya. *Insects*, Manuscript ID: Insects-1725822.
- 2) Lydia G. Mugao, **Bernard M. Gichimu**, Phyllis W. Muturi and Ezekiel K. Njoroge (2021). Essential Oils as Bio-Control Agents of Early and Late Blight Diseases of Tomato Under Greenhouse Conditions. *Hindawi - International Journal of Agronomy*, Article ID 5719091. <https://doi.org/10.1155/2021/5719091>
- 3) Dominic N. Kathuri, Samuel N. Ndirangu and **Bernard M. Gichimu** (2021). Adoption of Banana (*Musa* spp) Production Technology among Small-Scale Farmers in Embu West Sub-County, Kenya. *Journal of Agricultural Extension*, 25 (4): 109 - 118. DOI: <https://dx.doi.org/10.4314/jae.v25i4.12>
- 4) Moses M. Njiru, Samuel N. Ndirangu, Hezron R. Mogaka and **Bernard M. Gichimu** (2021). Factors Influencing Adoption of Improved Cultivars of Macadamia (*Macadamia* spp.) among Small-Scale Farmers in Embu County, Kenya. *Journal of Agricultural Extension*, 25 (4): 119 – 126. DOI: <https://dx.doi.org/10.4314/jae.v25i4.133>
- 5) L.G. Mugao, P.W. Muturi, **B.M. Gichimu**, A.K. Kamiri (2021). Morphological and Molecular Characterization of *Alternaria solani* and *Phytophthora infestans* Isolates from Tomato Farms in Kenya. *Hindawi - International Journal of Agronomy*, 20 (1): 29-40. DOI: 10.3923/ppj.2021.29.40
- 6) Cecilia A. Shinda, Josiah N. Gitari, Paul N. Nthakanio, Steven Runo, **Bernard Gichimu** and Samuel Maina (2021). Performance Assessment of Crosses between Gadam and Hardcore Tannin Sorghum in Hybrid Lines Production. *Journal of Experimental Biology and Agricultural Sciences*, 9(4): 417-431. DOI: <http://dx.doi.org/10.18006/2021>
- 7) Irene N. Kiura, **Bernard M. Gichimu** and Felix Rotich (2021). Proximate and Nutritional Composition of Stored Bulb Onions as Affected by Harvest and Postharvest Treatments. *Hindawi - International Journal of Agronomy*, Volume 2021, Article ID 5532349. <https://doi.org/10.1155/2021/5532349>
- 8) Irene N. Kiura, **Bernard M. Gichimu** and Felix Rotich (2021). Visual and Keeping Quality of Stored Bulb Onions as Affected by Harvest and Postharvest Treatments. *Hindawi - International Journal of Agronomy*, Volume 2021, Article ID 9969571. <https://doi.org/10.1155/2021/9969571>
- 9) Lydia Nyawira Muriithi, Charles N. Onyari, Hezron R. Mogaka, **Bernard M. Gichimu**, Geoffrey N. Gatumo, Kizito Kwena (2021). Adoption Determinants of Adapted Climate Smart Agriculture Technologies Among Smallholder Farmers in Machakos, Makueni, and Kitui Counties of Kenya. *Journal of Agricultural Extension*, 25(2): 75 – 85. <https://dx.doi.org/10.4314/jae.v25i2.7>
- 10) Daniel M. Wambua, **Bernard M. Gichimu** and Samuel N. Ndirangu (2020). Smallholder Coffee Productivity as affected by Socio-economic Factors and Technology Adoption. *Hindawi – International Journal of Agronomy*, Volume 2021, Article ID 8852371, <https://doi.org/10.1155/2021/8852371>
- 11) Lydia G. Mugao, **Bernard M. Gichimu**, Phyllis W. Muturi and Simon T. Mukono (2020). Characterization of the Volatile Components of Essential Oils of Selected Plants in Kenya. *Hindawi – Biochemistry Research International*, Volume 2020, Article ID 8861798, <https://doi.org/10.1155/2020/8861798>
- 12) Marline Hanny Owino, **Bernard M. Gichimu** and Phyllis Wambui Muturi (2020). Agro-morphological Characterization of Horned Melon (*Cucumis metuliferus*) Accessions from Selected Agro-ecological Zones in Kenya. *Australian Journal of Crop Science*, 14(09):1487-1496
- 13) Robert O. Okayo, Darius O. Andika, Mathews M. Dida, George O. K’Otuto and **Bernard M. Gichimu** (2020). Exploring the Changes of Resistant Genes Expression in Groundnuts (*Arachis hypogea*) in

- Response to *Aspergillus flavus* Exposure at Seedling Stage. *International Journal of Research and Scientific Innovation*, Volume VII, Issue VII, pp. 203-208
- 14) Robert O. Okayo, Darius O. Andika, Mathews M. Dida, George O. K'Otuto and **Bernard M. Gichimu** (2020). Morphological and Molecular Characterization of Toxigenic *Aspergillus flavus* from Groundnut Kernels in Kenya. *Hindawi - International Journal of Microbiology*, Volume 2020, Article ID 8854718. <https://doi.org/10.1155/2020/8854718>
 - 15) James Mwita Gimase, Wilson Muriithi Thagana, Chrispine Ogutu Omondi, Jane Jerono Cheserek, **Bernard Mukiri Gichimu** and Elijah Kathurima Gichuru (2020). Quantitative trait loci (QTL) mapping of resistance to coffee berry disease (*Colletotrichum kahawae* Waller & Bridge) in *Coffea arabica* L. variety Rume Sudan. *African Journal of Agricultural Research*, Vol. 16(8), pp. 1184-1194.
 - 16) Lydia G. Mugao, Phyllis W. Muturi, **Bernard M. Gichimu** and Ezekiel K. Njoroge (2020). *In-vitro* control of *Phytophthora infestans* and *Alternaria solani* using crude extracts and essential oils from selected plants. *Hindawi - International Journal of Agronomy*, Volume 2020, Article ID 8845692. <https://doi.org/10.1155/2020/8845692>
 - 17) Fridah A. Mwakha, Nancy L.M. Budambula, Johnstone O. Neondo, **Bernard M. Gichimu**, Eddy O. Odari, Peter K. Kamau, Calvins Odero, Willy Kibet, Steven Runo (2020). Witchweed's Suicidal Germination: Can Slenderleaf Help? *Agronomy*, 10, 873; doi:10.3390/agronomy10060873.
 - 18) James M. Gimase, Wilson M. Thagana, Chripine O. Omondi, Jane J. Cheserek, **Bernard M. Gichimu**, Elijah K. Gichuru, Cathrine Ziyomo, Clay H. Sneller (2020). Genome-Wide Association Study identify the genetic loci conferring resistance to Coffee Berry Disease (*Colletotrichum kahawae*) in *Coffea arabica* var. Rume Sudan. *Euphytica* 216: 86, 17 pp. Springer Nature Shared It Link: <https://rdcu.be/b38qj>
 - 19) Fridah A. Mwakha, **Bernard M. Gichimu**, Johnstone O. Neondo, Peter K. Kamau, Eddy O. Odari, Joshua K. Muli and Nancy L.M. Budambula (2020). Agro-morphological Characterization of Kenyan Slender Leaf (*Crotalaria brevidens* and *C. ochroleuca*) Accessions. *Hindawi - International Journal of Agronomy*, Volume 2020, Article ID 2710907, 10 pages <https://doi.org/10.1155/2020/2710907>
 - 20) **Bernard M. Gichimu**, Arphaxard Ileri Muthee and Paul Njiruh Nthakanio (2020). Agronomic benefits of shubhodaya-mycorrhizal bio-fertilizer on banana production in Embu County, Kenya. *Journal of Agronomy*, 19: 65-75.
 - 21) Daniel M. Wambua, Samuel N. Ndirangu, Lucy K. Njeru and **Bernard M. Gichimu** (2019). Effects of recommended improved crop technologies and socio-economic factors on coffee profitability among smallholder farmers in Embu County, Kenya. *African Journal of Agricultural Research*, Vol. 14(34), pp. 1957-1966.
 - 22) Susan K. Onsongo, **Bernard M. Gichimu**, Komivi S. Akutse, Thomas Dubois and Samira A. Mohamed (2019). Performance of Three Isolates of *Metarhizium anisopliae* and their Virulence against *Zeugodacus cucurbitae* under Different Temperature Regimes, with Global Extrapolation of Their Efficiency. *Insects* 2019, 10, 270; doi:10.3390/insects10090270.
 - 23) Eliud K. Murimi, Lucy K. Njeru, **Bernard M. Gichimu** and Samuel N. Ndirangu (2019). Effects of Urban Expansion on Agricultural Resources: A Case Study of Embu Town in Kenya. *Asian Journal of Agricultural Extension, Economics & Sociology*, 33(4): 1-11, 2019.
 - 24) Arphaxard Ileri Muthee, **Bernard Mukiri Gichimu** and Paul Njiruh Nthakanio (2019). Analysis of banana production practices and constraints in Embu County, Kenya. *Asian Journal of Agriculture and Rural Development*, 9(1), 123-132.
 - 25) Chrispine Omondi, **Bernard Gichimu**, Jane Cheserek and James Gimase (2016). Leveraging on germplasm acquisition for Arabica coffee improvement in Kenya. *Journal of Agricultural and Crop Research* Vol. 4(1), pp. 9-16.

- 26) Daniel Mutiso Nthiwa, David O. Odongo, Horace Ochanda, Samoel Khamadi, and **Bernard M. Gichimu** (2015). Trypanosoma Infection Rates in Glossina Species in Mito Andei Division, Makueni County, Kenya. *Journal of Parasitology Research*, Volume 2015, Article ID 607432, 8 pages.
- 27) S.G. Ligabo, E.K. Gichuru, O. Kiplagat, **B.M. Gichimu** (2015). Status of Coffee Leaf Rust Resistance on Kenyan Commercial Resistant Cultivars. *British Microbiology Research Journal*; 8(6): 655-662.
- 28) Lucy K. Njeru, **Bernard M. Gichimu**, Mary C. Lopokoiyit and John G. Mwangi (2015). Influence of Kenyan Youth's Perception towards Agriculture and Necessary Interventions; a Review. *Asian Journal of Agricultural Extension, Economics & Sociology*; 5(1): 40-45.
- 29) Lucy K. Njeru and **Bernard M. Gichimu** (2014). Influence of Access to Land and Finances on Kenyan Youth Participation in Agriculture; a Review. *International Journal of Development and Economic Sustainability*; 2(3): 1 – 8.
- 30) J.M. Gimase, W.M. Thagana, D.T. Kirubi, E.K. Gichuru and **B.M. Gichimu** (2014). Genetic Characterization of Arabusta Coffee Hybrids and their Parental Genotypes using Molecular Markers. *Plant Cell Biotechnology and Molecular Biology*, 15(1&2):31-42
- 31) M.W. King'oro, D. Mushimiyamana, J.J. Cheserek and **B.M. Gichimu**, 2014. Effect of Different Watering Regimes on Agro-morphology of Selected Coffee Genotypes. *American Journal of Experimental Agriculture*; 4(9):1016-1026.
- 32) **Gichimu B.M.**, Gichuru E.K., Mamati G.E. and Nyende A.B., 2014. Biochemical Composition within *Coffea arabica* cv. Ruiru 11 and its Relationship with Cup Quality. *Journal of Food Research*; 3(3): 31-44.
- 33) **Gichimu B.M.**, Gichuru E.K., Mamati G.E. and Nyende A.B., 2014. Occurrence of *Ck-1* gene conferring resistance to Coffee Berry Disease in *Coffea arabica* cv. Ruiru 11 and its parental genotypes. *Journal of Agricultural and Crop Research*, 2(3): 51-61.
- 34) **Gichimu B.M.**, Gichuru E.K., Mamati G.E. and Nyende A.B., 2013. Variation and Association of Cup Quality Attributes and Resistance to Coffee Berry Disease in *Coffea arabica* L. Composite Cultivar, Ruiru 11. *Afr. J. Hort. Sci.* (December 2013) 7:22-35.
- 35) Ithiru J.M., Gichuru E.K., Gitonga P.N., Cheserek J.J. and **Gichimu B.M.**, 2013. Methods for early evaluation for resistance to bacterial blight of coffee. *African Journal of Agricultural Research*, 8(21): 2450-2454
- 36) **Gichimu B.M.**, Gichuru E.K., Mamati G.E. and Nyende A.B., 2013. Yield Selection within *Coffea arabica* cv. Ruiru 11. *American Journal of Experimental Agriculture*, 3(1): 76-88.
- 37) Cheserek J.J. and **Gichimu B.M.**, 2012. Drought and heat tolerance in coffee: a review. *International Research Journal of Agricultural Science and Soil Science*, 2(12): 498-501.
- 38) **Gichimu B.M.**, Gichuru E.K., Mamati G.E. and Nyende A.B., 2012. Selection within *Coffea arabica* cv. Ruiru 11 for high cup quality. *African Journal of Food Science*, 6(18): 456-464
- 39) **Gichimu B.M.**, Gichuru E.K., Mamati G.E. and Nyende A.B., 2012. Selection of Ruiru 11 Hybrid Sibs on Raw Coffee Quality. *Afr. J. Hort. Sci.*, 6:72-82
- 40) **Gichimu B.M.**, 2012. Field Screening of Selected *Coffea arabica* L. Genotypes against Coffee Leaf Rust. *Afr. J. Hort. Sci.* (June 2012) 6:82-91
- 41) Kathurima C.W., Kenji G.M., Muhoho S.M., Boulanger R., **Gichimu B.M.** and Gichuru E.K., 2012. Genetic diversity among commercial coffee varieties, advanced selections and museum collections in Kenya using molecular markers. *International Journal of Biodiversity and Conservation*, 4(2): 39-46.
- 42) D.M. Mureithi, M.O.A. Onyango, P. Jeruto and **B.M. Gichimu**, 2012. Response of French Bean (*Phaseolus vulgaris* L.) to Intra-Row Spacing in Maseno Division, Kenya. *J. Applied Sci.*, 12(1): 96-100.

- 43) R.B.Mugiira, P.F. Arama, J.M. Macharia and **B.M. Gichimu**, 2011. Antibacterial Activity of Foliar Fertilizer Formulations and their Effects on Ice Nucleation Activity of *Pseudomonas syringae* P.v. garcae Van Hall, the Causal Agent of Bacterial Blight of Coffee. *Int. J. Agric. Res.*, 6(7): 550-561
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- 46) Onyango B.O., Palapala V.A., Arama P.F., Wagai S.O. and **Gichimu B.M.**, 2011. Morphological characterization of Kenyan native wood ear mushrooms [*Auricularia auricula* (L. ex Hook.) Underw.] and the effect of supplemented millet and sorghum grains in spawn production. *Agric. Biol. J. N. Am.*, 2(3).
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- 48) **Gichimu B.M.** and Omondi C.O., 2010. Morphological Characterization of Five Newly Developed Lines of Arabica Coffee as Compared to Commercial Cultivars in Kenya. *International Journal of Plant Breeding and Genetics*, 4(4): 238-246, 2010.
- 49) **Gichimu B.M.** and Omondi C.O., 2010. Early Assessment of Growth and Yield Characters of Five Newly Developed Lines of Arabica Coffee in Two Environments and Spacings in Kenya. *African Journal of Horticultural Science (AJHS)*, Vol. 3:98-111.
- 50) D.M. Musyimi, G.W. Netondo , B.Owuor and **Gichimu B.M.**, 2010. Growth and Nutrient Uptake among Three Wetland Plant Species Occurring in Lake Victoria Basin in Kenya. *Agriculture and Biology Journal of North America*, 1(3): 250-264.
- 51) **Gichimu, B.M.**, B.O. Owuor and M.M. Dida, 2010. Yield of Three Commercial Watermelon Cultivars in Kenya as Compared to a Local Landrace. *African Journal of Horticultural Science (AJHS)*, Vol. 3:24-33.
- 52) **Gichimu B.M.** and Omondi C.O., 2010. Early Performance of Five Newly Developed Lines of Arabica Coffee under Varying Environment and Spacing in Kenya. *Agriculture and Biology Journal of North America*, 1(1): 32-39.
- 53) Kathurima C.W., **Gichimu B.M.**, Kenji G.M., Muhoho S.M. and Boulanger R., 2009. Evaluation of Beverage Quality and Green Bean Physical Characteristics of Selected *Coffea arabica* Genotypes in Kenya. *African Journal of Food Science Vol 3.(11) pp. 365-371.*
- 54) **Gichimu B.M.**, Barack O. Owuor and Mathews M. Dida, 2009. Comparing the yield components of three most popular commercial watermelon cultivars in kenya with one newly introduced cultivar and one landrace. *Journal of Plant Breeding and Crop Science. Vol.1(4). pp.065-071.*
- 55) **Gichimu B.M.**, Barack O. Owuor, Gideon N. Mwai and Mathews M. Dida, 2009. Morphological Characterization of Some Wild and Cultivated Watermelon (*Citrullus sp.*) Accessions in Kenya. *Journal of Agricultural and Biological Science. Vol. 4, No. 2.*
- 56) **Gichimu, B.M.**, B.O. Owuor and M.M. Dida, 2008. Agronomic Performance of Three Most Popular Commercial Watermelon Cultivars in Kenya as Compared to One Newly Introduced Cultivar and One Local Landrace grown on dystic nitisols under sub-humid tropical conditions. *Journal of Agricultural and Biological Sciences. Vol. 3 No. 5&6.*
- 57) **Gichimu, B.M.**, B.O. Owuor and M.M. Dida, 2008. Assessment of Three Most Popular and One Newly Introduced Commercial Watermelon Cultivars in Kenya alongside One Local Landrace for Their

PAPERS PRESENTED IN SCIENTIFIC CONFERENCES

- 1) **Gichimu B.M.** (2022): Role of Vermicomposting in Environmental Conservation – Organic Waste Management. Presented during a Training Session organized for the members of Environmental Health and Safety Committee, University of Embu, on 1st April, 2022.
- 2) **Gichimu, B.M.** (2021). Coffee and Climate Change: Opportunities, Challenges and their Mitigation. Presented during the Capacity Building Workshop for Coffee Farmers on Climate Smart Agricultural Technologies in Embu County on 3rd and 4th August, 2021 at University of Embu.
- 3) **Gichimu, B.M.** (2021). Coffee, the Crucified Saviour of Kenyan Economy. Presented in the 28th ASIC Conference held from 28th June – 1st July, 2021 in SupAgro, Montpellier, France.
- 4) **Gichimu B.M.** (2021): Circular Economy – Exploring Available Options. Presented during a Training Session organized for the members of Environmental Health and Safety Committee, University of Embu, on 10th June, 2021.
- 5) **10th June, 2021 Gichimu, B.M.** (2021). Banana Orchard Management - Part 1: Establishment and Cultural Practices. Presented during the ASDSP II Training of Trainers (TOT) Workshop for Banana Value Chain Service Providers on 10th February, 2021 at Rwika Social Hall, Embu.
- 6) **Gichimu, B.M.** (2021). Banana Orchard Management - Part 2: Pests and Diseases. Presented during the ASDSP II Training of Trainers (TOT) Workshop for Banana Value Chain Service Providers on 11th February, 2021 at Rwika Social Hall, Embu.
- 7) **Gichimu, B.M.** (2020). Youth and Women; the Fulcrum of Food Security in Kenya. Presented During the KSG Symposium on “Role of Governance on Food Security and Nutrition” on 30th June, 2020. A virtual presentation.
- 8) **Gichimu, B.M.** (2020). Coffee, the Crucified Saviour of Kenyan Economy. Presented During Leland International Hunger Fellows Mid-Field Retreat on April 23, 2020. A virtual presentation.
- 9) **Gichimu, B.M.** (2019). Post-Harvest Management: Challenges and Solutions. Presented During the Food Security and Nutrition Symposium at Kenya School of Government on 14th March 2019.
- 10) **Gichimu, B.M.,** Gichuru E.K., Nyende A.B. and Mamati, G.E. (2018). Introgression of *Coffea canephora* Genome in Ruiru 11 Sibs and its Effect on Quality and CBD Resistance. Presented in the 27th ASIC Conference held from 16th - 20th September, 2018 in Portland, Oregon, USA.
- 11) **Gichimu B.M.,** 2014. Coffee Growing in Kenya; Climate Change Challenges and their Mitigation. Presented in the 1st DeKUT International Conference on Science, Technology and Innovation, Nyeri – Kenya, 4th to 7th November, 2014.
- 12) **Gichimu B.M.,** 2014. Coffee Sustainability in Kenya: Role Played by Improved Varieties. Presented in the 25th International Conference on Coffee Science, Armenia – Colombia, 8th to 13th September, 2014.
- 13) **Gichimu B.M.,** Gichuru E.K., Mamati G.E. and Nyende A.B., 2014. Combining CBD Resistance with High Yields and Good Cup Quality: Success case in Ruiru 11 Cultivar. Presented in the 25th International Conference on Coffee Science, Armenia – Colombia, 8th to 13th September, 2014.
- 14) **Omondi C.O. and Gichimu B.M.,** 2014. Coffee Variety Development and Expansion of Growing Areas to New Frontiers. Presented during Kenya Coffee @50 Forum (National Coffee Stakeholders Conference), Ruiru, Kenya. 7th - 8th February 2014.
- 15) **Gichimu B.M.,** 2013. Arabica Coffee Breeding; Challenges Posed by Climate Change. Presented in the 10th African Fine Coffee Conference in Kampala Uganda on 16th February 2013.
- 16) **Gichimu B.M.,** 2013. Coffee Breeding in Kenya; Achievements, Gaps and Priorities. Presented in the 3rd African Coffee Sustainability Forum in Kampala Uganda on 13th February 2013.

- 17) **Gichimu B.M.**, Gichuru E.K., Mamati G.E. and Nyende A.B., 2012. Variation and Associations of Cup Quality traits and CBD Resistance in *Coffea arabica* cv Ruiru 11. Presented in the *12th Workshop on Sustainable Horticultural Production in the Tropics*, Held at Jaramogi Oginga Odinga University of Science and Technology between 4th and 7th December 2012.
- 18) **Gichimu B.M.**, 2012. Coffee Breeding in Kenya; Achievements, Challenges and Current Focus. Presented in the 24th International Conference on Coffee Science, San Jose – Costa Rica, 11th to 17th November, 2012.
- 19) **Gichimu B.M.**, 2012. Coffee Breeding Lines in Kenya. Presented in a Conference on "Technologies and best practices for optimal utilization of by-products in the coffee value chain: how to increase sustainability in the coffee supply chain in East African countries" held at Trieste, Italy from 11th to 14th June 2012 organized by ICS-UNIDO in cooperation with the Ernesto Illy Foundation and illycaffè.
- 20) **Gichimu B.M.**, 2012. Batian Coffee; Its Merits and Demand Trends. Presented during the March 2012 Coffee Research Institute monthly seminar held at Coffee Research Station Lecture Theatre.
- 21) **Gichimu B.M.**, Gichuru E.K., Mamati G.E. and Nyende A.B., 2011. Discrimination of Ruiru 11 Hybrid Sibs based on Raw Coffee Quality. Presented in the 11th Workshop on Sustainable Horticultural Production in the Tropics, Held at Pwani University College between 7th and 10th December 2011.
- 22) Phiri N.A., **Gichimu B.M.**, Gatarayihia C., Kutwayo D., Prakash N., Musoli P., Agwanda C., Kimani M., Musebe R. and Oduor G., 2011. Increasing the resilience of coffee production to Coffee Leaf Rust and other Diseases in India and four other African countries. Presented on 23rd March 2011 at ICRAF Complex, Gigiri, Nairobi.
- 23) Kimemia J.K., **Gichimu B.M.** and Kathurima C.W., 2011. Highlights of Batian. A new tall statured and disease resistant Arabica coffee variety with excellent quality. In Kamau et al (Eds), African Fine Coffees Review, Issue No.7. African Fine Coffees Association.
- 24) **Gichimu B.M.** and Phiri N.A., 2010. Response of Newly Developed and Introduced Arabica Coffee Genotypes to *Colletotrichum kahawae*, the Coffee Berry Disease Pathogen, in Kenya. Proceedings of 12th Biennial KARI Scientific Conference, KARI Headquarters Complex, Kaptagat Road, Loresho, Nairobi, 8th – 12th November, 2010.
- 25) S.P. Nayani, Mishra M.K., Dandamudi P., Bhat S.S., Thimmasetty H.B., Subramani D., Reddy S.N., Revanna S.P., Bhat A.M., Murthy M., Harish D.M., Varzea V.M.P., Silva M., Jayarama, Phiri N.A. and **Gichimu B.M.**, 2010. Evaluation of Coffee Varieties Derived from Diverse Genetic Sources of Resistance for Prospective Exploitation - An International Cooperative Effort. Proceedings of 23rd International Conference on Coffee Science, Bali – Indonesia, 3rd - 8th October, 2010.
- 26) **Gichimu B.M.**, Omondi C.O. and Gichuru E.K., 2010. Early Agronomic Performance of Some New and Existing Arabica Coffee Varieties in Kenya. Proceedings of 23rd International Conference on Coffee Science, Bali – Indonesia, 3rd - 8th October, 2010.
- 27) **Gichimu, B.M.** and M.O.A. Onyango, 2007. Non-Chemical Weed Control Practices in Production of Commercial Watermelon (*Citrullus lanatas*) In: *Isutsa et al. (Eds.). 2007. Proceedings of the Seventh HAK Workshop on Sustainable Horticultural Production in the Tropics, held from 28th November to 1st December 2007 at the University of Nairobi, Upper Kabete Campus, Kenya.*
- 28) **Gichimu, B.M.** and M.F.O. Ndong'a, 2006. Effects of hot pepper (*Capsicum frutescens*) extracts on aphid's infestation on cowpea (*Vigna unguiculata*). In: *Isutsa et al. (Eds.). 2006. Proceedings of the 5th HAK Workshop on Sustainable Horticultural Production in the Tropics, held from 23rd to 26th November 2005 at Egerton University, Njoro, Kenya. pp. 36-43.*