

PROF CIIRA KIIYUKIA CV		
	Country	Kenya Sex Male
Personal data	Date of birth:	17 January 1955 Place of Birth: Murang'a County – Kenya
	Marriage	Married
	Languages: English - Excellent	Kiswahili- Good Japanese - Basic
	Permanent Home address:	P.O. Box 372 - 00618 Nairobi, Kenya.
	Telephone:-	+254 (0) 722-896536 Email:- kciira@gmail.com , kciira@bmak.or.ke
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Education background	➤ Doctor of Philosophy (PhD.) in Microbiology, <i>Hiroshima Univ. Japan 1993</i>	
	➤ Master of Science Degree (MSc.) in Microbiology, <i>Hiroshima Univ. Japan 1990.</i>	
	➤ Postgraduate Certificate in Food sanitation and hygiene, <i>Hiroshima Univ. Japan, 1984</i>	
	➤ Bachelor of Science (BSc) – <i>University of Nairobi, 1980</i>	
Employment		
	Year	Organization
Ass. Professor	• June 2014 – Feb 2016	• Mount Kenya University, Medical School, Thika
Senior Lecturer	• Sept 1981 – May 2014	• Jomo Kenyatta University of Agriculture and Technology (JKUAT) – Food Science Dpt/Public Health Department
	• Sept 1980-Aug 1981	• Ministry of Environment and Natural Resources, Fisheries Department
		• Fisheries officer
Recent Training	Biorisk Management System – Certified Expert by IFBA August 2016	
	Risk Assessment of Genetically Modified Organisms – March 2014 by National Biosafety Authority and Centre for Environmental Risk Assessment (CERA-USA)	
	Environmental Management System – ISO 14001:2004 Auditor – by KEBS Nairobi.	
Key competencies	➤ External examiner, Nairobi University, Faculty of Vet Medicine, Department of Veterinary pathology Microbiology and Parasitology 2007-2015.	
	➤ Supervision research in microbiology, occupational health and environment	
	➤ Examiner – Postgraduate thesis, Medical Microbiology, Public Health, , OHS	
	➤ Design and set up of microbiology Lab (UNIDO Project (Ya/Eth/03/436/11-52)	
	➤ Experienced lecturer in microbiology for both post and undergraduates	
	➤ Training- Regional training in Food Analysis (JICA/JKUAT project)	
	➤ Capacity building: university (JKUAT) environmental policy framework - 2011	
	➤ Trainer: professional short course on Environmental Impact Assessment sanctioned by NEMA at JKUAT	
	➤ Training of Trainers :- Resource person in Lake Victoria Environmental Monitoring Program (LVEMP) course on Analysis of Water and Waste Water.(March 1999).	
	➤ Organizer: Chairman, 2 nd and 3 rd annual scientific conference of Institute of Tropical Medicine and Infectious Diseases – JKUAT May 2011 -2012	
	➤ Organizer: Regional Action Plan for Food Security and Safety, March 27 th –April 4 th 2000, Nairobi, Kenya	
	➤ External examiner, Postgraduate thesis: Kenyatta University	
	➤ Excellent computer skills, including use of computer data analysis	
	➤ A pioneer resource person of the Institute of Energy and Environment Technology	
	➤ Ability to write innovative programmes .	
	➤ Ability to lead and manage as shown by successful leadership of Ruiru Golf Club as Chairman	

	<ul style="list-style-type: none"> ➤ Thorough understanding of the Environmental Management and Coordination Act (EMCA) ➤ Social responsibilities- shown by being appointed as member of board of governors in Githunguri Girls and Estleigh Boys High school
Responsibilities	<ol style="list-style-type: none"> 1. Supervisor: postgraduate research projects 2. Reviewer: Frontiers in Microbiology 3. Reviewer: African Journal of Food and Agriculture 4. Consultant: Risk assessment of GMO research - National Biosafety Authority (Kenya)
Professional Membership	<ol style="list-style-type: none"> 1. CEO - African Biological Safety Association (AfBSA) –2017 2. Chairman: Biorisk Management Association of Kenya (BMAK) – 2013- to date 3. Member of the National Codex Elimentary Committee – Kenya 4. Member of Environmental Institute of Kenya 5. Member of American Society for Microbiology since 2004 6. Member of New York Academy of Sciences 1995-2000 7. Lead Expert, Environmental impact assessment and audit – NEMA Reg. No. 0113
Social Responsibilities	<ol style="list-style-type: none"> 1. Member: Board of Management, Githunguri Girls High School 2007-upto date 2. Member - Board of Management, St Teresa Boys High School 2011-upto date 3. Chairman: BOM Kiawambutu Primary School 2015-upto date 4. Secretary, Kenya Japan Scholars Association. 1997- 5. Friendship Ambassador of Hiroshima Prefecture to Kenya 1993 – 1996 6. Chairman, Neighborhood Association 2009-upto date 7. Chairman: Ruiru Sports Club 2011-2012
Academic	<ol style="list-style-type: none"> 1. Communicable diseases
Interest and competence	<ol style="list-style-type: none"> 2. Medical microbiology 3. Environmental Health 4. Laboratory Biosafety and Biosecurity 5. Food microbiology 6. Environmental Impact assessment and Environmental Health 7. Occupational health and safety
Conferences /Workshops	<ol style="list-style-type: none"> 1. Food safety symposium: Laico Regency, Nairobi on the 19th/20th of January 2017, FoSTeP-K/IUFoST 2. Review of HACCP food safety documents –WHO-FAO expert workshop –Entebbe, Uganda, 27-31Oct 2015 3. 23rd Scientific Conference of AKMLSO – Kisumu Oct 2016 4. Food Safety Summit Africa 2015 May 28-29, Nairobi, Microbial Food Safety, http://afmass.com/images/Documents/MKU - KIIYUKIA.pdf
Supervision of postgraduates	
PhD	<ol style="list-style-type: none"> 1. Fanuel Kapute: Quality and risk assessment of whole fresh Lake Malawi fish (<i>Chambo</i>). Department of Aquaculture Fisheries Science, Bunda College of Agriculture (University of Malawi) 2010 –2013 2. Charles Muiruri Mburu 2015: Evaluation of work related injuries and ill-health among farm workers at public irrigation schemes in Kenya. JKUAT-IEET (ongoing).
MSc	<ol style="list-style-type: none"> 1. JOSEPHAT KIPYEGON TONUI 2013 Efficacy of selected fungicides on fungi isolated from mycotoxin contaminated maize in Kenya (completed) 2. PRISCILLA G NJOGU 2013 Assesment of Solid Waste Management In Ruiru Municipality

	Of Kiambu County (completed)
	3. MARYROSE WAMBUI WANJIKU 2012 Risk Factors Associated With Quarrying Activities In Mutonga Watershed, Meru County, Kenya (completed)
	4. EVALYNE KANYINA 2012 Characterization And Antimicrobial Susceptibility Pattern Of Diarrheagenic E. Coli In Thika Level 5 Hospital (Completed)
	5. Wanjiru Eliod Mwangi 2012 Analysis of Antibiotic Resistance and Horizontal Transfer of ESBL Genes in <i>Escherichia coli</i> Isolated From Urine Specimen Obtained From Hospitality Industry Workers In Nairobi (completed)
	6. Ng'ayo Newton Frodwa 2011 Laboratory factors that impact the Quality of CD4 -T lymphocyte counts in western Kenya (MSc research work – COHES-). (completed)
	7. Wilson Baru Wachira 2011 Assessment of Occupational Safety and Health Hazards in Flour Milling Companies in Nairobi Kenya (completed)
	8. Solomon Kiprotich Kimeto 2011 Evaluation of occupational safety and health awareness and practices among workers at Kenya tea development agency factories in Kenya. (completed)
	9. MUTHEE MOSES M. 2009- Evaluation of biosafety awareness among hospital support staff of Kenyatta National Hospital, Kiambu District Hospital and Mbagathi level five hospital. (completed).
	10. Richard Kipserem Korir 2008- Evaluation Of Antimicrobial Properties Of Medicinal Plants Used Among The Kipsigis Community In Kenya (completed).
	11. Eva Watiri Kamande 2009- Association of Attitude and Practice of Hygiene and Sanitation with Pupil's Attendance in Kibera Schools-Nairobi, Kenya (completed).
	12. Doreen Lusike 2008- Risk Factors for Bacterial Vaginosis among Pregnant Women Attending Pre Natal Clinic at Kenyatta National Hospital –Kenya (completed).
	13. YUSTER RONO-2009- Characterization of pathogenic enteric bacteria from selected food items from street vendors in Kisumu (completed).
	14. Tony C Nzano 2006- Seroprevalence of Urinary Tract Infections In HIV Cohort Patients Attending a Comprehensive Care Clinic at Aga Khan Hospital in Nairobi, Kenya (MSc research work – COHES) (completed).
	15. STANLEY MWANGI MBATHA 2007- Impact of safety and health audits in improvement of working conditions within Nairobi area which includes Athi river and Thika (completed).
	16. JOHN M. KIMANI 2007- Assessment of awareness, attitude and knowledge toward noise induced hearing loss in jua kali industries in Nairobi. (completed).
	17. JOHN A. M. WAWERU 2007- An evaluation of Occupational Safety and Health hazard awareness in Steel Rolling Mills in Kenya. (completed).
	18. LAWRENCE N. THIONGO 2007- Molecular Characterization of Multi-Drug Resistant <i>Escherichia coli</i> Isolated from Urine Samples in Mater Hospital, Nairobi, Kenya. (completed).
	19. Kinuthia Mwangi, 20006-2009, Degradation of dichlorodiphenyltrichloroethane (DDT) by bacterial isolates from cultivated and uncultivated soil (completed).
	20. Raphael K. Muinde, 2009, Hygiene Practices In Urban Restaurants And Perceived Challenges To Implementing Food Safety And HACCP Programs In Thika Town, Kenya (completed).
	21. Soraya Popo Mavumba 2006- A Comparison of Triple Therapy Drug Regimen Duration for Eradication of Helicobacter Pylori, in Adults Attending a Nairobi Gastroenterology Clinic - Randomized Control Trial (completed).
	22. Violet Asiko 2006-2008. Study To Determine Resistance To Second Line Anti-Tuberculosis Drugs In Kenyan Isolates (completed).
	23. Scolastica K. Mathenge 2005- <i>Shigella dysenteriae</i> as a Causative Agent for Diarrhoea in Children in the First Two Years of life in South Imenti District in Kenya (completed).
	24. Edward Kithela Maina 2005-2006, Staphylococci Species Colonization And Infection Among Patients With Skin And Soft Tissue Infections In Nairobi, Kenya. (completed).
	25. Christine M. Kalui: May 2004- March 2005, Microbiological Characterization of Ikii (a fermented maize porridge) in Kenya (completed).
	26. George Michuki Ngondi: July 2003 – August 2004, Characterization and antibiotic susceptibility of bacterial contaminants of beef from Nairobi butcheries. (completed).

	Occupational Safety And Health Hazards At Flour Milling Companies In Nairobi Kenya. Researchjournal's Journal Of Public Health, Vol. 1 No. 6 July 2015
	6. Josephat K. T, Kiiyukia C and Christine C .B, Mycotoxigenic fungi, distribution and infestation of maize in selected sites- Kenya. Global Advanced Research Journal of Agricultural Science (ISSN: 2315-5094) Vol. 4(6) pp. 248-258, June, 2015 .
	7. Solomon Kiprotich Kimeto, Ciira Kiiyukia , Pius Makhonge: Occupational Safety and Health Awareness among Factory Workers of the Kenya Tea Development Agency in Region Five. Journal of Environment and Earth Science ISSN 2224-3216 ISSN 2225-0948 (Online) Vol.5, No.9, 2015 www.iiste.org
	8. Muthee M. M.. M. J. Onguso, C, Kiiyukia , P. Makhonge and W.O. Nyakundi. Biosafety practices and biomedical hazards among the medical staff of Kenyatta National Hospital, Mbagathi and Kiambu District hospitals in Kenya. JAGST Vol. 16(1) 2014 .
	9. Tonui JK, Ciira Kiiyukia and CC Bii. Susceptibility of mycotoxigenic fungi to commercial fungicides, a potential tool for mycotoxin control in maize in Kenya. <i>AJFAND</i> Volume 14 No. 7, pp. 9469-9482, December 2014 .
	10. Priscillah G. Njogu, Ciira Kiiyukia and Charles Mbakaya. Factors associated with practicing recommended solid waste management in residential area of Gitothua, Ruiru Municipality, Kiambu County. <i>Prime Journal of Social Science (PJSS)</i> Vol. 3(11), pp. 912-918, November 17th, 2014
	11. Maryrose Wambui Wanjiku, Ciira Kiiyukia , Charles Mbakaya, and Lawrence Muthami. Effect of quarrying activities on occupational health among quarry workers in Mutonga quarry, Meru County, Kenya. <i>Prime Journal of Social Science (PJSS)</i> Vol. 3(8), pp. 812-817, August 12th, 2014 .
	12. Maryrose Wambui Wanjiku, Ciira Kiiyukia , Charles Mbakaya, and Lawrence Muthami. Health seeking behavior and health care options available to quarry workers in Mutonga Quarry, Meru County, Kenya. <i>Prime Research on Medicine (PROM)</i> Vol. 3(2), pp. 140-145, August 25th, 2014
	13. Muinde R. K., C. Kiiyukia , G.O, Rombo. Hygiene practices in urban restaurants and challenges to implementing food safety and HACCP programs in Thika town, Kenya. <i>East African Medical Journal</i> Vol. No. 1 February 2013
	14. Edward K. Maina, Ciira Kiiyukia , C. Njeri Wamae, Peter G. Waiyaki, S. Kariuki: Characterization of methicillin-resistant <i>Staphylococcus aureus</i> from skin and soft tissue infections in patients in Nairobi, Kenya, <i>International Journal of Infectious Diseases</i> 17 (2013) e115–e119.
	15. Kapute F, Likongwe J, Kang'ombe J and C Kiiyukia : Shelflife of whole fresh Lake Malawi tilapia (<i>Oreochromis</i> species – Chambo) stored in ice. <i>AJFAND</i> , , Vol.13 No. 1, p.7138-56, January 2013
	16. Ukulo JW, Kiiyukia C and GM Kenji: Antioxidative and radical scavenging activities of propolis extracts in food models. <i>AJFAND</i> , , Vol.13 No. 1, p.7273-87, January 2013
	17. Fanuel Kapute, Jeremy Likongwe, Jeremiah Kang'ombe, Ciira Kiiyukia , Placid Mpeketula: Quality Assessment of Fresh Lake Malawi Tilapia (<i>Chambo</i>) Collected from Selected Local and Super Markets in Malawi. <i>Internet Journal of Food Safety</i> , 2012 , Vol.14, p.112-120.
	18. Mbae KM, Kiiyukia C and GM Kenji. <i>In vitro</i> production of trichothecenes and zearalenone by <i>fusarium</i> isolates from equatorial barley (<i>Hordeum vulgare</i> l.) grown in Kenya. <i>AJFAND</i> , August 2012 , Vol.12 No. 5.
	19. K. Korir, C. Bii, C. Kiiyukia , C. Mutai. Antimicrobial Activities of <i>Clutia abyssinica</i> and <i>Erythrina Abyssinica</i> Plants Extracts used among the Kipsigis Community of Bomet District in Kenya; <i>Journal of Natural product (Indian journal)</i> , 2012 , Vol. 7, Issue 5.
	20. R.K. Korir, C. Mutai, C. Kiiyukia and C. Bii., Antimicrobial Activity and Safety of two Medicinal Plants Traditionally used in Bomet District of Kenya. <i>Research Journal of Medicinal Plant</i> , 2012 , 6(5): 370-382
	21. Violet Asiko Ongaya, W.A. Githui, H. Meme, C. Kiiyukia , E. Juma; High ethionamide resistance in <i>Mycobacterium tuberculosis</i> strains isolated in Kenya: <i>African journal of health sciences</i> 01/2012-20 (1-20): 37-41
	22. Kinuthia Mwangi, Hamadi I. Boga, Anne W. Muigai, Ciira Kiiyukia and Muniru K. Tsanuo; Degradation of dichlorodiphenyltrichloroethane (DDT) by bacterial isolates from cultivated and

	uncultivated soil. <i>African Journal of Microbiology Research</i> Vol. 4 (3) pp. 185-196, 2010.
	23. CM Kalui, JM Mathara, PM Kutima, C Kiiyukia , LE Wongo; Functional characteristics of <i>Lactobacillus plantarum</i> and <i>Lactobacillus rhamnosus</i> from ikii, a Kenyan traditional fermented maize porridge . <i>African Journal of Biotechnology</i> Vol. 8 (18),2009
	24. CM Kalui, JM Mathara, PM Kutima, C Kiiyukia , LE Wongo; Partial characterisation and identification of lactic acid bacteria involved in production of <i>ikii</i> : a traditional fermented maize porridge by the Kamba in Kenya <i>Journal of Tropical Microbiology and Biochemistry</i> Vol. 4 (1) 2008 : pp. 3-15
	25. Miyamoto, M.; Nakajima, H.; Muigai, C. W.; Kiiyukia, C. ; Miyamoto, T. Identification of lactic acid bacteria isolated from Kenyan traditional fermented milk, Maziwa lala, and their symbiotic relationship <i>MILCHWISSENSCHAFT</i> 2005 Vol. 60 Núm. 4 ISSN : 0026-3788
	26. Kathurima C. W., Kiiyukia, C and Kenji G. M.: Variation in the occurrence of fungi in coffee during processing within and between factories in Kenya., 20 th International Conference on Coffee Science, ASIC 2004, Oct. 11 – 15, 2004 Bangalore, India
	27. Arimi JM., Makokha A O, Kiiyukia C , Antimicrobial Extracts From The East Africa Greenheart Tree (<i>Warburgia ugandensis</i>) (<i>En</i>) In: Collaborative and Participatory Research for Sustainably Improved Livelihoods ; Kenya Agricultural Research Institute, Nairobi (Kenya), Nairobi (Kenya), 2002 , 610 p
	28. Muigai C W, Miyamoto T, Kiiyukia C , Koaze H; Identification and Properties of Lactic Acid Bacteria Isolated from Traditional Fermented Milk (Maziwa Lala). Japanese Society of Zootechnical Science Annual Meeting OL.95th; PAGE.138ISSN:1342-4688 (1999)
	29. Nakamura T., Sugai M., Ozawa N. A., Ariga H., Koaze H. Kiiyukia C. , Arai I. and Urashima T.: Microbiological Properties of Maziwa Lala, a Kenyan traditional fermented milk of Masai community in Kenya. <i>Milk Science</i> Vol. 48, No. 1 pg. 9-13 (1999)
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	32. Mathara J. M., T. Miyamoto, H. Koaze, C. Kiiyukia and T. Yoneya: Production of traditional fermented milk in Kenya (a review) <i>Shizuoka Prefectural University Research Bulletin</i> , Vol. 9, 257 - 264 (1996)
	33. Abe, K., Mathooko, F. M., Kiiyukia C. , Koaze H., Muigai C. W. and Mwaniki M., A Surveillance of postharvest handling of perishable food crops in Kenya technical report, Department of Food Science and Postharvest Technology, JKUAT, 1996
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	37. Venkateswaran, K., H. Nakano, C. Kiiyukia , H. Kawakami and H. Hashimoto: Significance of sinking particles in the distribution of motile <i>Aeromonas</i> during the winter season. <i>Microbios</i> , 68, 73 - 85 (1991)
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	39. Kasthuri Venkateswaran, Ciira Kiiyukia , Mikihiro Takaki, Hiroyuki Nakano, Haruo Matsuda, Hideyuki Kawakami, and Hideo Hashimoto; "Characterization of Toxigenic Vibrios Isolated from the Freshwater Environment of Hiroshima, Japan."; <i>Appl. Enviro</i>
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Technical Reports	43. C. Kiiyukia: Laboratory Manual of Food Microbiology for Ethiopian Health and Nutrition Research Institute (Food Microbiology Laboratory) UNIDO Project (Ya/Eth/03/436/11-52) Dec. 2003. https://www.yumpu.com/en/document/view/.../food-microbiology-unido
	44. C. Kiiyukia and Letsididi R.: Hygienic status of cooked and dried bean (<i>Phaseolus vulgaris</i>) leaves sold on the streets of Gaborone, Botswana. Proceedings of the second regional KIFST conference held on 6-7th March 2000. Nairobi Kenya. Pg. 6-79.
Academic thesis	
PhD	Kiiyukia, C. Ecological studies on <i>Vibrio cholerae</i> non-01 as a human and fish pathogen. Thesis submitted for the degree of Doctor of Philosophy in the Department of Food Microbiology and Hygiene, Graduate School of Biosphere Science, Hiroshima University, Hiroshima, Japan. \ March 1993
	Kiiyukia, C. Studies on the ecology of <i>Vibrio parahaemolyticus</i> around Hiroshima coastal area. Thesis submitted for the degree of Master of Agriculture in Food Microbiology and Hygiene, Department of Food Microbiology and Hygiene, Graduate School of Biosphere Science, Hiroshima University, Hiroshima Japan. March 1990
MSc	

Referees	1. Hon. Prof. Ruth K. Oniang'o, PhD	3. Prof Simon Njoroge Muhoho
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Signed  17.10.17