



**UNIVERSITY OF NAIROBI
COLLEGE OF AGRICULTURE AND
VETERINARY SCIENCES**

**ANNUAL REPORT
2010/2011**

**OFFICE OF THE
PRINCIPAL**

ACKNOWLEDGEMENT

The assistance of Mrs Evyrene Ngunga, Mr Macharia Kabuu in providing the initial data is highly appreciated.

We also acknowledge the support of Prof. Agnes Mwang'ombe, Principal, College of Agriculture and Veterinary Sciences, the Dean, Faculty of Agriculture, the Dean, Faculty of Veterinary Medicine and all Heads of Departments in the College.

This report was prepared by the members of the college Annual Report Committee

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Prof. Charles M. Mulei Member

Prof. Michael W. Okoth Member

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Prof. Jackson N. Ombui Member

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MESSAGE FROM THE PRINCIPAL, COLLEGE OF AGRICULTURE AND VETERINARY SCIENCES A WORD FROM THE PRINCIPAL, CAVS



This is CAVS fourth Annual report after the first inaugural annual report of 2007/2008. I wish to take this opportunity to commend the college Academic Board sub-committee under the chairmanship of Prof S. G. Kiama, Ag. Director Wangari Maathai Institute which has remained very committed to this task leading to the production of the fourth annual report 2009/2010.

The 2010/2011 was yet another successful year for CAVS. The academic function has continued to grow both in student numbers and quality of curricula content and delivery. The quality academic programs backed by well trained and committed staff are now attracting students not only from Kenya but also from the rest of sub Saharan Africa. To mention just a few the BVM and MSc. Programs continue to attract both national and regional students. The department of Land Resource Management and Agricultural Technology (LARMAT) was recognized as the regional center of excellence in Dryland Agriculture and is now hosting a regional PhD program in dryland resource management. This program has been able to host the first group of PhD students drawn from East, Central and southern Africa. It is the first Phd Science based program in the University of Nairobi which also incorporated a one year taught course and designed to graduate students within three years. The program is sponsored by RUFORUM and her partners. These programs are supported by professional mentorship initiative in CAVS and enhancing capacities in PhD supervision by creating critical mass of trainers.



The research programs continue to grow and are clearly setting CAVS at a higher level in comparison to the other Agricultural institutions in the region. This portfolio more than tripled its revenue when compared to 2009/2010. This has not come by chance but due to the academic staff commitment towards research excellence. Teamwork, attitude shift and realignment towards multidisciplinary and transdisciplinary have greatly contributed to this success. CAVS has been able to engage comprehensively with other institutions leading to creation of several linkages which have been able to leverage for funds to support activities of national interest in the area of food and nutrition insecurity and

poverty reduction. Cross cutting issues such gender, climate change, environment and HIV/AIDS are fully integrated in most of the research activities. The college was able to patent Biofix for legumes and operationalize the first private public partnership with MEA Ltd (leaders in fertilizers).

CAVS social responsibility programs are as diverse as the various scientific disciplines represented in this college. The food security program focused on promotion and supply of disease free sweet potato vines in Kiambu and Taita hills. The program has supported over 500 farmers at each site and have been able to produce both for home consumption and markets. CAVS continues to actively participate in the Nairobi International show through exhibitions and competing in various entries of farm produce/products. In 2010/2011 CAVS obtained several awards and trophies.

Student leadership continues to exhibit growth and has been able to serve as an effective link between administration and students fraternity. The college continues to give student leaders relevant skills for better service to the electorate . CAVS continues to host both professional, cultural and social activities with the aim of continuing to produce more holistic graduates.

Environment is embedded in our academic and research activities. Besides planting trees in Ngong hills, CAVS has initiated tree planting along the three riverines in Upper Kabete. In the 2010/2011, CAVS planted over 8,000 tree seedlings with 100% take off due to tender care accorded to them.

In brief, the outlined achievements have been made possible by being more people focused leading to unlocking the immense and diverse intellectual capacity at CAVS while providing an enabling environment for excellence to thrive and excel.

I wish to take this opportunity to thank all students, staff and stakeholders who made 2010/2011 to be a very fulfilling year.

Prof. Agnes Mwang'ombe, Principal, College of Agriculture and Veterinary Sciences



WORD FROM THE DEAN, FACULTY OF VETERINARY MEDICINE



The Faculty of Veterinary Medicine is one of the oldest Faculties in the University of Nairobi having started training in diplomas in the 1940s. It later became fully fledged Faculty offering degrees in 1962 and will be celebrating its 50 years since inception in 2012. It has produced a large part of the alumni of over two thousand both undergraduate and postgraduate.

Currently, it has a teaching staff of 115, technical, secretarial and support staff of 140. The Faculty currently offers three (3) degree programs namely; Bachelor of Veterinary Medicine, B.Sc. in Biomedical Technology and B.Sc. in Wildlife Management & related options. In addition, it offers over 20 M.Sc. and

PhD programs, 1 postgraduate certificate, 1 diploma, and 1 certificate program. The Faculty has also introduced a new course in B.Sc (Fisheries and Aquaculture Management) which will be have its first admission in the 2012/2013 Academic Year.

Having undertaken to participate in achieving the vision 2030, it has joined the other stakeholders in developing the leather technology programs at diploma, B.Sc, M.Sc. and PhD levels and it is hoped that the course will be launched in this academic year. A new program has also been developed in Natural Products and Bioprospecting at M.Sc. level which the Faculty hopes to launch during the next academic year (2010/2011).

The Faculty continues to participate in outreach and community services and has regular Biennial conferences that attract local, regional and international participants. The 9th Biennial conference will be held in September 2012 and the Dean invites you to participate.

Prof. Mulei Charles M., Ag. Dean, Faculty of Veterinary Medicine



WORD FROM THE DEAN, FACULTY OF AGRICULTURE



The period for the annual report highlights issues that take into account the competitive advantage the Faculty of Agriculture has by way of its departments in the areas of agricultural training (teaching and learning) and agricultural research along the academic, strategic and adoptive sectoral agenda. Other areas that add value to the competitive advantage include agricultural information packaging, communication and application to innovation development.

In the recent year, the Faculty of Agriculture re-committed itself to maintaining an open system for the assimilation of newer developments both from the external and internal environments. The Faculty in its second cycle five-year (2008-2013) strategic plan implementation as aligned to the overarching college and university ones, it continues to reorganize its programmes as well as the accompanying activities in order to produce quality graduates able to discharge their professional duties in job-market place may it be public, private, NGO or self-employment. Team based research activities and the development of technologies that foster scholarship and vice versa while promoting the development of sectoral technologies, outreach programmes as a means of reaching user communities were intensified during the period. The Faculty has the support and guidance of our institution, our graduates, our industry and our community. The Faculty furthermore has a proud history rooted in service. Its future success will depend on the strength it can draw from those roots to produce a bountiful harvest for many years to come

Prof. S.I. Shibairo, Dean Faculty of Agriculture

MESSAGE FROM THE DIRECTOR, WANGARI MAATHAI INSTITUTE FOR PEACE AND ENVIRONMENTAL STUDIES, UNIVERSITY OF NAIROBI



The successful fusion of university research and traditional training requires the provision not only of academic resources, but of experiential learning opportunities, community mentoring, and utilization of indigenous knowledge. Therefore, the Wangari Maathai Institute for Peace and Environmental Studies (WMI)'s core purpose will be to spearhead holistic multi-disciplinary research, training and community empowerment and outreach services. An inspiring, interactive permanent exhibition demonstrating the work and ideals of Professor Wangari Muta Maathai at the Institute will be an essential element of WMI's work. Further, there will be deliberate emphasis by WMI to forge regional and international partnerships, for the purpose of creating other centers of excellence for sustainable management of environmental resources.

As is commonly acknowledged, limited natural resources is directly or indirectly the source of most conflicts. Well conserved and governed natural resources will go a long way in reducing community conflicts. When the relationships between natural resource scarcity and conflict, and natural resources and prosperity are well-articulated, the community will be able to understand their responsibility and realize that natural resource conservation is indeed self-conservation.

Aspirations for establishment of WMI were based on recognition by Professor Wangari Maathai, that there is need for: A pioneer institute in Africa that fosters and inculcates transformative values, with the intention of creating transformational leaders for the next generation; a distinctive environmental studies institute that develops an understanding of the interdependency of environmental health and human prosperity while providing skills to deal with conflicts; an outstanding experiential learning institution for environmental studies; an Africa-based 'Earth Watch', proactively monitoring the environment and giving early warning signals that will allow for preparedness in emerging contexts; a university based entity with unparalleled transformative linkages with grassroots communities; an African based lead institution to foster strategic partnerships with top environmental schools and institutions the world-over as well as the private sector; a lead institute for interdisciplinary research that will produce evidence-based data informing policy debates and policy formulation; an inspiring living innovative and creative laboratory where new "green" technologies and best practices of environmental sustainability and conflict resolution can be fostered, developed, tested, validated and demonstrated

WMI's distinctiveness and comparative advantage will be in its acknowledgement of the interlinking between conflict resolution, environmental degradation and democratization. Few, if any other institutions, focus directly on this interrelationship. Professor Wangari Maathai and the GBM has proven that addressing these issues in there complexity leads to simultaneous improvements in the environment and the local communities livelihoods. WMI wants to bring this distinctive experience to the brains of the African intellectuals and none academic knowledge holders. WMI's thrust is to create transformational "green" leaders, who can manage the environment and its related conflicts, for the benefit of their community and nation. The anticipated disparate backgrounds of its faculty and graduate students will make the Institute a crossroads of world cultures and a unifying intellectual space embracing global diversity. We will draw undergraduate students and non academic knowledge holders from every region and later send them into the world equipped with practical knowledge, skills, and a robust work ethic that will enable them respond to challenges of environmental management.

A sustainable and transformative campus will be established within the 50 acres plot allocated to WMI at the University of Nairobi. The campus will among other things house the Institute's operations, and a special trademark sustainable building will be erected. The campus will be self-sufficient in its energy needs as much is practically possible and will be a core part of making the environmental values come alive for all who will interact with WMI. The Institute's shall also develop and manage demonstration farms for indigenous trees, medical plants, rain forest and wetlands management. On February 16, 2011 an independent and international Panel of Jurors announced the winning architectural design for the sustainable campus. The Cape Town based firm of architects, dhk, won the competition to design the Institute. At the heart of the dhk scheme is the welcoming and dignified democratic space sheltered by a tensile canopy roof supported on tripod 'tree-like' columns evoking the tree planting work of Prof Wangari Maathai.

Prof. Kiama Gitahi
Ag Director, Wangari Maathai Institute

INTRODUCTION

The College of Agriculture and Veterinary Sciences (CAVS) was established in 1985 by the University Act and is one of the six colleges of the University of Nairobi. The college comprises two faculties and one Institute; Faculty of Veterinary Medicine, Faculty of Agriculture and Wangari Maathai Institute for Peace and Environmental studies which were started in 1940, 1970 and 2009 respectively. The Faculty of Agriculture is made up of four (4) departments namely; Department of Agricultural Economics, Department of Plant Science and Crop Protection, Department of Land Resource Management and Agricultural Technology and Department of Food Science, Nutrition and



Technology while the Faculty of Veterinary Medicine has five (5) departments; Department of Veterinary Anatomy and Physiology which is located at Chiromo Campus, and the departments of Animal Production, Veterinary Pathology, Microbiology and Parasitology, Clinical Studies and Public Health, Pharmacology, and Toxicology located in Kabete Campus. In addition, the College has several teaching and research farms and field stations located at Nairobi, Central, Eastern and Coast provinces. The college is situated about 14 kilometres to the north-western city boundary and can be accessed via Kabete Technical Institute/AHITI road, through the Naivasha road roundabout at Uthiru, onto the fly over past Ndumbuini shopping centre, off Kapenguria road.

CAVS has a population of 186 fulltime Academic Staff, who are engaged in teaching, research and outreach activities in diverse areas. The academic staff supported by an equivalent number of technical and support staff. CAVS academic research and outreach activities are focused around global, regional and national concerns and

are leveraged on national goals as articulated in Strategy for revitalizing Agriculture and vision 2030 and other regional and global initiative such as Comprehensive African Agricultural Development Programme (CAADP) and Millenium Development Goals (MDGs). The College therefore aspires to contribute to eradication of extreme poverty and hunger, promoting gender equality and empowering women, ensuring environmental sustainability and fostering global partnerships/linkages for national development.

The student population is both local and International at all levels of training. In addition, the college routinely conducts skills enhancement courses which are either at certificate or simply tailor made for specific clients

Vision

A centre of excellence in agricultural, veterinary and environmental sciences.

Mission

To pursue and maintain a leadership quality teaching, research and in agricultural roductivity and secure livelihoods.



Core Values:

The College of Agriculture and Veterinary Sciences is committed to realizing its vision and mission. It operates within certain treasured beliefs, which have contributed to its success.

VALUES	EXPECTED BEHAVIOR /ACTIONS
Uphold professionalism and ethics.	<ul style="list-style-type: none"> • Commitment to ethics and professional etiquette. • We take prompt action in cases of unprofessional or unethical behavior
Uphold integrity, honesty, dignity and quality.	<ul style="list-style-type: none"> • We act without consideration of personal gain • We nurture transparency in all our dealings, decision-making and operations • We deliver on our responsibilities within prescribed time, cost and quality standards

Embrace participatory management and effective teamwork.	<ul style="list-style-type: none"> • Commit to foster conducive work environment for participatory processes.
Recognize and esteem ideas and innovations.	<ul style="list-style-type: none"> • Innovativeness and creativity shall be the hallmark of our activities as we initiate and adapt to change
Nurture the environment	<ul style="list-style-type: none"> • <i>Committed to sustainable management of natural resources and promotes biodiversity at the local level</i>

ACADEMIC PROGRAMS IN THE FACULTY OF AGRICULTURE

<p><u>UNDERGRADUATE PROGRAMS</u> The Faculty conducts eight undergraduate degree programs.</p> <ol style="list-style-type: none"> 1. BSc. Agriculture 2. BSc. Food Science and Technology 3. BSc. Food Nutrition and Dietetics 4. BSc. Agricultural Education and Extension 5. BSc. Agribusiness Management 6. BSc. Range Management 7. BSc. Management of Agro-ecosystems and Environment 8. BSc. Horticulture <p><u>DIPLOMA</u></p> <ol style="list-style-type: none"> 1. Postgraduate Diploma in Agricultural Information Communication Management 2. Postgraduate Diploma in Food Safety and Quality 3. Diploma in Crop Protection 4. Diploma in Phytosanitary Measures <p><u>CERTIFICATE COURSES</u></p> <ol style="list-style-type: none"> 1. Certificate in Agricultural Information Communication Management 2. Certificate in Floriculture 3. Certificate in Crop Protection 4. Certificate in Phytosanitary Measures 5. Certificate in Food Safety and Quality 	<p><u>POSTGRADUATE AND DOCTORATE PROGRAMS</u> The faculty trains students for Masters of Science and Doctor of Philosophy degrees in various fields of specialization</p> <ol style="list-style-type: none"> 1. Food Science and Technology 2. Food Safety and Quality 3. Applied Human Nutrition 4. Plant Breeding 5. Horticulture 6. Agronomy 7. Agricultural Resource Management 8. Crop Protection 9. Plant Pathology 10. Agricultural and Applied Economics 11. Agricultural Economics 12. Agricultural Information Communication Management 13. Soil Science 14. Range Management 15. Land and Water Management 16. Sustainable Soil Resource Management 17. Livestock Production System 18. Poultry Sciences 19. Animal Nutrition & Feed Science 20. Animal Genetics & Breeding
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ACADEMIC PROGRAMS IN THE FACULTY OF VETERINARY MEDICINE

UNDERGRADUATE DEGREE PROGRAMS

The Faculty conducts three undergraduate degree programs.

- Bachelor of Veterinary Medicine
- Bachelor of Science in Biomedical Technology
- Bachelor of Science in Wildlife Management and Related options
- Bachelor of Science in Fisheries and Aquaculture Management
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1.2.2. POSTGRADUATE DEGREE PROGRAMS

The Faculty trains students for Masters of Science (MSc.) and Doctor of Philosophy degrees in various fields of specialization.

- Veterinary Anatomy and Cell Biology
- Comparative Animal Physiology
- Theriogenology
- Veterinary Surgery
- Veterinary Medicine
- Wildlife Health and Management
- Natural Products and Bioprospecting
- Pharmacology and Toxicology

Diploma Courses

- Animal Health & Production

Postgraduate Certificate Courses

- Epidemiology & Disease Surveillance

- Reproductive Biology
- Biochemistry
- Veterinary Pathology, Microbiology and Parasitology
- Applied Parasitology
- Applied Microbiology (Bacteriology, Virology, Mycology, Environmental and Industrial Microbiology options)
- Veterinary Pathology and Diagnostics
- Clinical Pathology and Laboratory Diagnosis
- Fish Science
- Poultry Science
- Animal Genetics and Breeding
- Livestock Production Systems
- Animal Nutrition and Feed Science
- Veterinary Public Health
- Veterinary Epidemiology and Economics

CERTIFICATE COURSES

- Artificial insemination and fertility management
- Fish Hygiene and Inspection
- Poultry Management
- Dairy Management



CURRICULA REVIEWED/DEVELOPED WITHIN THE YEAR (FoA)

- Ph.D Management of Agro-ecosystems & Environment
- Ph.D Land and Water Management
- Ph.D. Sustainable Soil Resource Management
- Ph.D Agro-Forestry
- M.Sc. Master of Management of Agro-ecosystems & Environment
- M.Sc. Agro-Forestry
- PGD Food Safety and Quality

CURRICULUM DEVELOPED WITHIN THE YEAR (FVM)

- BSc in Leather Science and Technology
- BSc in Fisheries and Aquaculture Management
- MSc in Leather Science
- MSc Food Safety and Quality
- MSc Trans-boundary Animal Disease Management
- Msc. Dryland Policy and Adaptation to Climate Change
- MSc Natural Products and Bio-prospecting

NUMBER OF STUDENTS ADMITTED INTO EACH UNDERGRADUATE PROGRAM IN 2009/2010

FACULTY OF AGRICULTURE

1. BSc. Food Science & Technology	28
2. BSc. Agriculture	71
3. BSc. Range Management	26
4. BSc. Agric. Education & Extension	31
5. BSc. Agribusiness Management	28
6. BSc. Food Nutrition and Dietetics	37
7. BSc. Mgt. of Agro-ecosystems & Environment	28
8. BSc. Horticulture	29
9. Diploma	07
10. MSc.	92
11. PhD	14
Total enrollment for the period:	391

FACULTY OF VETERINARY MEDICINE

1. Bachelor of Veterinary Medicine	100
2. B.Sc. in Biomedical Technology	20
3. B.Sc. in Wildlife Management	14
4. Dipl in Animal Health and Prod.	19
5. Certificate in Artificial Insemination	25

TOTAL 158

NUMBER OF STUDENTS WHO GRADUATED FROM EACH PROGRAM IN 2008/2009

<p>FACULTY OF AGRICULTURE In 2010/2011 students who graduated were 236 as follows: Undergraduate programmes recorded the following: 47 in BSc. Agriculture; 17 BSc. Agricultural Education & Extension; 26 in BSc. Agribusiness Management; 18 in BSc. Food Nutrition & Dietetics; 14 BSc. Food Science & Technology; 16 in BSc. Range Management; and 12 in BSc. Mngt. of Agro-ecosystems. The diploma programme graduated 7. The Faculty had a record graduation of 14 PhDs; 38 MSc, (38 in the September ceremony) and 27 in the December 2011.</p>	<p>FACULTY OF VETERINARY MEDICINE FACULTY OF VETERINARY MEDICINE</p> <ol style="list-style-type: none"> 1. PhD - 11 2. MSc. - 18 3. Bachelor of Veterinary Medicine - 106 4. B.Sc. in Biomedical Technology - 19 5. B.Sc. in Wildlife Management - 13 6. Dipl in Animal Health and Prod. - 11 7. Artificial Insemination - 8 <p>TOTAL - 186</p>
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RESEARCH ACTIVITIES
SEED ENTERPRISE MANAGEMENT INSTITUTE (SEMIs) PROJECT

Project Management	University of Nairobi <ul style="list-style-type: none"> • Professor Agnes Mwang'ombe-Principal CAVS and SEMIs PI • Professor Florence Olubayo-SEMIs management Team • Dr. Kiarie Njoroge-SEMIs Management Team • Dr. D. K. Ndung'u-Project Manager-SEMIs
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COLLABORATORS

Iowa State University (ISU)	Dr. James Okeno, Dr. Yuh-Yuan Shyy, Dr. Joe Cortes, Dr. Mike Stahr
CIMMYT	Dr. John MacRobert
KARI	Dr. Teresio Riungu
KEPHIS	Mr. Simeon Kibet

Funds from AGRA:

Project team at AGRA

Alliance for a Green Revolution in	Dr. Joe DeVries, Director PASS,
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Introduction

The Seed Enterprise Management Institute (SEMI) project is based at the College of Agriculture and Veterinary Sciences, University of Nairobi. The Project was initiated in February 2010. The overall goal of the project is eradication of food and nutrition insecurity through capacity building of seed actors for improved seed systems to better deliver high quality seeds to small scale farmers at affordable prices. This emanates from the fact that one of the major constraints to improved agricultural production Africa is lack of seed of improved varieties. SEMI is funded by Alliance for a Green Revolution in Africa (AGRA). Collaborators in the project include Iowa State University (ISU),



International Maize and Wheat Improvement Center (CIMMYT), Kenya Agricultural Research Institute (KARI), Kenya Plant Health Inspectorate Services (KEPHIS), Aline O'Connor Funk, a consultant with AGRA and Gates foundation, seed companies including Kenya Seed Company, Leldet seed company, Dryland Seed Company, and other stakeholders in the seed sector.

Acquisition and utilization of improved seed of crop varieties is a major catalyst for improved agricultural production. The overall objective of the SEMI project therefore is:

- To train seed industry practitioners on the best practices to efficiently produce adequate high quality seed and supply them quickly enough to meet the farmers planting schedule at affordable prices.

SEMI, through offering short courses at the university of Nairobi, is in the forefront in helping seed companies around Africa produce more seed of improved varieties. Currently, a major challenge for seed companies all over Africa, apart from capital is lack of knowledge on how to produce, process, market and ensure high seed quality, and generally, how to go about the intricacies of seed business and make a seed enterprise profitable. The SEMI short courses on seed production, seed drying, processing and storage, seed marketing, seed business management seed quality assurance and seed legislation and accreditation were designed to furnish seed company personnel with knowledge on these important areas. After training, the seed company personnel go back to their seed

companies armed with relevant knowledge on how to upscale the production of high quality seed.

Activities in Year I

In the first year of the project, over 172 seed company personnel from over 30 different seed companies and 13 African countries received training on the different aspects of seed in the seed value chain. Many of the seed companies whose personnel received training here at SEMIs are small to medium enterprises with some located in very remote areas in their countries. Nevertheless, through the training they receive at SEMIs, they are providing high quality seed to African farmers and in the process driving a unique Green Revolution for the continent.

Courses Delivery

Seed Production and Seed Drying Processing and Storage courses

Twenty nine participants from twenty nine seed companies and 12 African countries received training on seed production. Dr. John MacRobert from CIMMYT and Dr. Kiarie Njoroge from CAVS with help from other personnel from CAVS, KARI and KEPHIS, were the main facilitators. Apart, from formal lectures at CAVS, the participants also got to travel to Ieldet Seed Company and KEPHIS in Nakuru. For seed processing, drying and storage, a total of 31 seed company personnel from 30 seed companies received training on how to process, dry and store seed. Mr. Allan Gaul from Iowa State University and Dr. Ayub Gitau from CAVS were the main facilitators aided by a strong team from CAVS, Kenya Seed Company and KARI.

Seed Business Management and Seed Marketing courses

The course on seed business management had 29 participants from 29 seed companies and 12 African countries. The participants in this course were mainly Chief Executive Officers (CEOs) who make the hard decisions in the seed companies and ensure sustainability and profitability of the seed business. Aline O'Connor Funk, a consultant with AGRA and the Gates foundation and Professor Evans Aosa, professor of strategic management from the School of business were the main facilitators of the course. Other facilitators were mainly drawn from the school of business, while Dr. Julius Kipng'etich, the director of the Kenya wildlife Service was invited as a guest speaker. Seed marketing



had a total of 28 seed company personnel from 28 seed companies and 12 African countries. Aline O'Connor Funk and Dr. Justus Munyoki from the school of business, with help from other staff from the school of Business and CAVS, were the main facilitators of the course.

Seed Quality Assurance and seed Legislation and Accreditation

Seed quality assurance had a total of 30 seed company personnel from 30 seed companies and 13 African countries. The main facilitators, with help from UoN and KEPHIS staff, and other stakeholders were Dr. Mike Stahr of ISU and Dr. James Muthomi from CAVS. Participants travelled to KEPHIS seed laboratory in Nakuru to learn more on maintaining high seed quality. The last course of the year was seed Legislation and accreditation. This course was attended by heads of governmental seed regulatory institutions and heads of seed trade associations.

In attendance among others were three presidents of seed trade associations from Mali, Burkina Faso and Nigeria. There were a total of 25 participants from 20 seed trade associations and regulatory bodies. Dr. Joe Cortes and Adelaida Harris from ISU and Dr. James Muthomi from UON were the main facilitators of the course. Participants also attended the Nairobi International Trade Fair where they familiarized themselves with agricultural development in the East African region.

Bean Seed Production at CAVS

Apart from training, SEMIs is involved in production of breeders' seed for beans. One of the major challenges facing seed companies today in Africa is acquisition of foundation seed for certified seed production. Currently, the project is producing seed of four bean varieties bred by scientists at UON. This particular phase of the project will go a long way in facilitating acquisition of improved bean varieties by small-holder farmers in Kenya and around the region.

1. AN IN VITRO SYSTEM FOR PRODUCING LOW COST CROSSBRED HEIFERS:FUNDED BY HEIFER PLAN INTERNATIONAL

The Sexed *In-vitro* fertilization and Embryo Transfer (SIFET) project is piloting the production of female F₁ calves from ova harvested from selected Boran cows at the abattoirs and sexed semen from selected Ayrshire and Jersey bulls.

This project aims to assist the smallholder dairy cattle farmers in sub-Saharan Africa to:

- a) Match the available dairy cattle breeds/genotypes with different production environments (i.e. feed resource base, ambient temperatures, veterinary inputs and markets).
- b) Increase production and availability of the more desired female calves, thus increase the supply of dairy heifers, and consequently eliminating the costs of raising the less desired and uneconomical male calves.

The above processes would results in:

A) Many and more affordable F1 dairy heifers produced by commercial breeders or beef ranchers and available to the smallholders or by smallholders and are thus available other smallholders to buy

B) More flexibility (options), in the production of replacement heifers including possibility of contractual agreements for commercial production of replacement crossbred heifers by beef and dairy cattle producers for smallholders.

The expected outcomes and impacts of these interventions are:

- better genotype/breed-and environment match at smallholder production systems level, thus higher returns on both land, labour and feed inputs
- more poor farmers engaging in dairy cattle farming and improving their livelihoods family nutrition, thus leading to significant reduction in rural and peri-urban poverty levels.

- **Outputs:** 15 calves have been born all of which are healthy and alive
Okeyo Mwai, Mutembei Henry,. Erastus Mutiga,. Victor Tsuma



2. RADIATION PROCESSING FOR HUMAN HEALTH

This project has been active in several African countries including Egypt, Tunisia, Morocco, Algeria, Nigeria, Ghana, DRC Congo, Zambia, Sudan and Kenya. Major activities have been the promotion of Radiation processing in Agriculture, health care products and industry. The application has been demonstrated in gemstones value addition, sterilization of foods and pharmaceutical products, waste water treatment and natural polymers. The year 2009 and 2010 were characterized by low key activities. Kenya attended the Mid-term Coordination and Planning meeting in Khartoum, Sudan, and also a Training Course in Lusaka, Zambia on codes and practices of radiation processing; training workshop on safe operation of radiation facilities; regional training course on the optimal use of radiation processing facilities and marketing of irradiation services in Nigeria and Process Control & Dosimetry inter comparison Exercise, in Cairo Egypt. Work is ongoing with students on cassava starch with the aim to study the visco-elastic characteristics of raw and fermented starches treated/modified with chemicals and to compare with irradiated starches using a cobalt-60 source. Kenya is still expecting build a basic dosimetry laboratory to complement the TRC gamma cell facility at KARI Muguga. Ultimately, Kenya needs multipurpose commercial irradiation facility after several hurdles are overcome. Immediate among them are the sensitization process to convince potential end users about the benefits and the development of a critical mass in terms of human resource and infrastructure for sustainable implementation of the new technology. Sponsor: International Atomic Energy Agency. Project ends in December 2011. Edward G. Karuri, Dr. J. Kiragu, Dr. Patrick Kamau

3. African Natural Products Research and Training Network (RISE-AFFNET)

Natural products (NP) value chain and technology is a multi- and interdisciplinary sciences that addresses the problems and issues associated it. NPs have an immense potential to poverty eradication and sustainable livelihoods. However, the existing systems for their development as a resource and livelihood option are weak and fragmented. There are many NP related pressures facing the region, including knowledge gaps, biodiversity loss, insufficient human capacity, overexploitation, and the very real possibility of resource loss associated with climate change and population pressure. The development of African solutions to the problem of its natural industry is hindered by shortage of trained personnel, competent human capital and facilities, especially at high levels of academic and professional expertise, resulting into insufficient grass-root trickledown effect. RISE- AFFNET was established by the University of Nairobi, Makerere University and Soikoine University of Agriculture to bridge this gap. Currently the program has provided scholarships to three (4) PhD student, six (6) Masters of Science Students in Natural products and two (2) post doctoral research fellows (see table below). Two of the PhD student Nguta and

Kamanja were sponsored to travel and participate in program review meeting at Benoni, South Africa. All other students have had opportunities to present their work In RISE AFNNET organized conferences including one at Kampala, Uganda. In addition, the program has also developed a Masters of Science curriculum on Natural products and bioprospecting. Supported by Carnige-Regional Initiative in Science and Education(RISE) through African Natural Research and training Network (AFNNET) ; www.rise-afnnet.com. Kabasa J. D., Kiama, S.G., Mdegere R.



Family name	First name(s)	m/f	Degree(s)	Research Topic
Kaluwa	Catherine	F	PhD	Evaluation of antifertility properties of medicinal plants traditionally used in Tana river County, Kenya
Kamanja	Irene Thiguku	F	PhD	Pharmacological and toxicological study of Clerodendrum, myricoides, an ethnomedical herbal remedy used in Kenya
Kimani	Clare Njoki	F	MSc	A study of herbal anti-diabetics in use in Machakos County of Kenya
Kuria	James M	M	MSc	Phytochemistry, antimicrobial activity and wound healing activity of <i>Aspilia prurieta</i>
Muriithi	Karambu E.	F	MSc	Bioassay guided characterization of rheumatic principles in <i>Cyperus articulatus</i>
Nasimolo	Johnson	M	MSc	Morphometric evaluation of cellular involvement in brain inflammation and potential anti-inflammatory properties of <i>Erythrina abyssinica</i>
Nguta	Joseph Mwanzia	M	PhD	Ethnopharmacology and toxicology of antimalarial plants used traditionally in Msambweni, Kenya
Okindo	Ronald O.	M	MSc	analgesic and antimicrobial effects of medicinal plant (<i>Vernonia hymenolepis</i>) used in Kenya For oral health care
Rukenya	Zachary	M	MSc	Phytochemistry, antimicrobial activity and toxicity of <i>Aloe turkanensis</i>
Wambugu	Stanley Wambugu	M	PhD	Evaluation of pain alleviating anti-inflammatory and anti-rheumatoid properties of selected Kenyan medicinal plants

4. Botanical garden at cavs established under the research project on, 'evaluation and commercialisation of medicinal plants' extracts for improved livelihoods; a case study of east coast fever'.

A Botanical Garden comprising different species of medicinal plants was established at the University of Nairobi's College of Agriculture and Veterinary Sciences in April 2009. Prior to the establishment of the Garden, a successful nursery of medicinal plants that is in progress at the moment, was established at the University of Nairobi Forest site at Ngong Hills. The garden comprises 497 medicinal plants consisting of 26 families and 47 species. Most of species and genera of plants in the garden, are in the following families: *Rutaceae* (15%), *Euphorbiaceae* (8.7%), *Apocynaceae*, *Caesalpinaceae*, *Mimosaceae*, and *Papilionaceae*, 6.5% each, respectively. This botanical garden is currently a flourishing recreational site with profound aesthetic value. It is a valuable environmental conservation unit that serves as a demonstration site for teaching and research and a good model of *exsitu* propagation of rare medicinal plant species. The garden was established through World Bank grant through Kenya Agricultural Productivity (KAPP) P.K. Gathumbi



5. Diagnostic and Control Tools and Strategies for *Taenia solium* cysticercosis' funded by ASARECA/ grant number AB/2009/01. Prof. Maingi N. Collaborating institutions in the project are: University of Nairobi, Kenya (Principal Investigator), International Livestock Research Institute (ILRI), Nairobi, Kenya, Sokoine University of Agriculture, Tanzania, Makerere University, Uganda, Central Veterinary Laboratories, Burundi, University of Antananarivo, Madagascar, Central Veterinary Laboratories, DR Congo

The objectives of this project are:

1. Develop and promote user-friendly diagnostic tests for *Taenia solium* cysticercosis in pigs.
2. Identify and promote options for control of *T. solium* cysticercosis and taeniosis.
3. Strengthen national capacity for surveillance, prevention and control of *T. solium* cysticercosis and taeniosis.
4. Enhance availability of information on *T. solium* cysticercosis and taeniosis.

The project has achieved the following results and impacts:

1. A "pen-side" field diagnosis test for infections in pigs was developed and training on the use of the test for staff from the collaborating institutions done.
2. Data on the epidemiology and risk factors of infection was collected from Homa bay District, Kenya.

The data was presented in the Faculty of Veterinary Medicine Biennial Conference and three manuscripts have been submitted for publication in scientific journals.

3. A training manual on *T. solium* cysticercosis and taeniosis, information posters and leaflets were produced.
4. Two MSc students were trained under this project.
5. Computers, printers and some laboratory equipment were acquired under this project.
6. Trials on the effectiveness of a *T. solium* vaccine in pigs, optimization and further training on the use of the diagnostic test and finalization of a National Action Plan and policy briefs will be carried out in the next phase of the project.

The project has conducted the following outreach activities:

1. Farmers and other stakeholders in Homa bay District, Kenya were trained on disease transmission, diagnosis, prevention and control through field days.
2. The posters and leaflets produced were distributed to targeted stakeholders and institutions in Homa bay District.

7. Developing capacity for implementing innovative PPR control strategies based on the Epidemiology and Socio-economic aspects of the disease in the East African region (RU/CFP/CGS/TADS/09/1). Funded by Regional Universities Forum for Capacity Building in Agriculture (RUFORUM). The Collaborating Institutions are Sokoine University of Agriculture; Ministry of livestock, Dept Veterinary Services; FAO; Vetworks East Africa.

The objectives are to :

1. Determine the serological prevalence, virus characteristics and general epidemiology of PPR, and establish risk factors that enhance disease spread
2. Identify community-based knowledge for PPR management and establish the socio-economic impact of the PPR diseases in Kenya and Tanzania
3. Review national policy responsiveness to Trans-boundary animal diseases (*suggest*)
4. Enhance human capacity through post graduate training.

The main results and impacts are: the project is training a Phd student in Kenya namely: Simon Kihu who is conducting a study to determine the risk factors influencing the patterns of PPR spread in Turkana District,

8. IMPROVE MENT OF DAIRY PRODUCTIVITY AND MARKETING IN SUBHUMID AND PASTORAL AREAS OF KENYA THROUGH IMPROVED DAIRY VALUE CHAIN. Dr Gitau. Funded by KAPAPCGS/CN/2010/LS/RC NO. 04. Collaborating Instituos are KARI, Kilimo Biashara. Ministry of Livestock, Kabansora, Kenya Camel Association, Meru Goats Dairy Association, Kenya Livestock marketing council

Objectives

1. To enhance availability of quality feed
2. To enhance management of husbandry related diseases affecting dairy productivity
3. To establish and improve processing of milk into diversified high quality products
4. To promote marketing of milk and milk products
5. To establish information and knowledge sharing pathways and uptake strategies

Results and Impacts:

A baseline survey on the KAPAP project was conducted from 15-22 Nov 2011 in Embu, Garissa and Meru.

MERU

In the Embu survey, a total of 99 households were visited and constraints in goat milk production investigated. Dr. Christine Mbidyo, a post-graduate student in Vet Microbiology was shown how questionnaires are administered as this was her first time in the field. This work was conducted with the KARI team and she was a member of the Meru team. According to her, the weather was wet and the terrain difficult and she had to push the vehicle a few times. Working with people from different backgrounds and orientation was one of the challenges. The Former Dairy goat project by FARM Africa had supplied goats but since the demise of the project, farmers had surplus milk and did not know what to do with it. A plant for processing milk had been closed down due to mismanagement. The questionnaires are now being analyzed

GARISSA

In Garissa, the survey was able to interview 90 camel milk producers and 30 milk traders. Dr. Kisa Toroitich an



MPVP student was also introduced into techniques of data collection. There was tension due to recent security alerts but the team was able to proceed well. Most pastoralists do not clean their hands or teats of camels before milking. Milk is drunk fresh without pasteurization. The questionnaires are undergoing analyses. The student was able to identify pastoralists who will be respondents in the MSc work

9. Enhancement of Sustainable Productivity of Fish in Lake Victoria through Control of Pollutants with Emphasis on Endocrine Disruptors and Microbial Pathogens. Dr P. G. Mbuthia, funded by Inter-university council of East Africa (Lake Victoria initiative) - VicRes Research. **Co-Researchers and collaborating institution are** Dr. Robinson H. Mdegela. Sokoine University of Agriculture, Dr. Catherine Msuya University of Agriculture, Faculty of Agriculture, Tanzania, Dr. Denis K. Byarugaba, Makere University, Faculty of Veterinary Medicine, , Kampala, Uganda, Kenyan Student: Dr. Patrick Waweru Kamundia, Dept of Veterinary Services, Government of Kenya

Objectives

1. **Objective 1:** Establish the sources of pollution in Lake Victoria with emphasis on endocrine disruptors (EDs) from human, animal, industrial and agriculture origin.
2. **Objective 2:** To determine the extent of contamination of water and fish by microbial pathogens of faecal origin.
3. **Objective 3:** To assess the eostrogenicity of pollutants in the lake using vitellogenin biomarkers in blood and liver samples from adult and juvenile female fish.

4. **Objective 4:** To determine the effect of pollutants and microbial pathogens in fish using morphological and pathological indicators.

Results and Impacts

1. Sociological studies – Preliminary study results have been presented in VicRes Aquaculture clusters (Arusha, Mwanza) and 1st VicRes Biennial Scientific conference in Kampala, Uganda.
2. Pathology and parasitological studies results have been presented at various fora (FVM biennial conference 2010; aquaculture cluster in Mwanza and VicRes Biennial conference in Munyonyo, Uganda).
3. One MSc student (Dr Patrick Waweru Kamundia) has been trained by the project.
4. Heavy Trypanosomes infestations in Nile Tilapia and *Amirthalingamia macracantha* parasites causing severe fish damage to fish are documented.
5. Computer –Dell laptop A860 with a Safaricom modem; Camera –Samsung camcorder/digital camera; small weighing balances; some glass and plastic wares; and Laboratory materials have been brought to the Department by the project.

10. Enhancing Village Chicken Productivity through Parasite Management for Effective Newcastle Disease Vaccination in Kenya. Professor L. C. Bebor, Funded by RUFORUM funded in 2010. Collaborating researchers and Institutions are: Prof. N.E. Maingi, Dept Vet. Pathology, Microbiology & parasitology, Prof. P.N. Nyaga, Dept Vet. Pathology, Microbiology & parasitology, Dr. P. G. Mbuthia, Dept Vet. Pathology, Microbiology & parasitology, Dr. C.O. Gor, Bondo University college, Dr. L.W. Njagi, Dept Vet. Pathology, Microbiology & parasitology, Dr. J.M. Githinji, Dept Veterinary services, Ministry of Livestock Development

Objectives

1. To determine the socio-economics of village chicken production in Eastern Province, Kenya.
2. To determine the seasonal parasite burden and Newcastle disease immune status in the village chickens
3. To determine the effect of endo- and ectoparasites on the Newcastle disease vaccine response in the village chickens
4. To train two Masters degree students

Results and Impacts

1. Project has enrolled two(2) MSc students.
2. The sociological study and parasitic prevalence is on. Data Results to be analyzed soon.
3. Project has bought two laptop computers

11. Enhancing Sustainability and Commercialization of Aquaculture through best Production Practices, Value Addition and Partnership in Development. Dr. Joyce G. Maina. Funded by National Council of Science and Technology. Collaborating researchers and Institutions are: Dr. Paul Gichohi Mbuthia, Dept. Vet. Pathology, Microbiology & Parasitology, UON, Prof. E.G. Karuri, Dept. of Food Technology and Nutrition, UON, Dr. Sabina Wangia, Dept of agric. Economics, UON, Mr. George O. Owiti, Provincial Direct. of Fisheries, Nyanza, Min. Fisheries Dev, Dr. Bethuel Omolo, Sagan Aquaculture Center, Min. Fisheries Dev. , Mr. Paul Orina, Kenya Marine Fisheries Institute, Sagana, Min. Fisheries Dev., Ms Jane Ngugi, Kenya Agricultural Research Institute, NARL, Nairobi

Objective one: To engage stake-holders and carry out a baseline study to map out the status of aquaculture in the country, assess the main economic, social, production, gender, disease and environmental factors that affect the commercialization and sustainability of the sector and identify and document aquaculture value chain processes.

Objective two: To facilitate a gradual aquaculture commercialization process through facilitation of aquaculture best production practices which includes the following:

- i) To determine the suitability of water for fish culture and safety of products for human consumption.
- ii) To promote production good quality tilapia and catfish fingerlings.
- iii) To map out and document potential feed ingredients, develop quality feeds in participating districts using locally available raw and build capacity on the same
- iv) Map and document common fish pathogens and pollutants in participating districts and develop mitigation mechanisms.

Objective three: To develop and document appropriate fish processing and value addition capacities in participating communities.

Objective four: To disseminate research findings, build capacities in communities, and establish relevant partnerships.

12. Controlling Infectious Bursal Disease Through Development of Local Vaccines and Establishing Effective Vaccination Program. Funded by Ministry of Higher Education Science and Technology; National Council for Science and Technology. Collaborating institutions: Ministry of Livestock, Department of Veterinary services, Central Veterinary Laboratories and Regional Veterinary Laboratories, Mariakani and Kenya Veterinary Vaccine Production Institute (KEVEVAPI). Researchers: Dr. Lucy W. Njagi (PI), Prof. Lilly C. Bebora, Dr. Jane W. Githinji, Dr. Wanzila U. Mutinda and Dr. Anisia N. Muriuki

Poultry subsector accounts for 4% of the 25% agricultural input towards the country's Gross Domestic Product. Over 80% of the poultry in the country are chickens which encounter many challenges, especially due to diseases. Infectious bursal disease (IBD) is a highly contagious and immunosuppressive disease of growing chickens. It damages the immune system of chickens, making the flock highly susceptible to other disease-causing organisms, leading to high mortalities. Infectious bursal disease can be effectively controlled through vaccination. Since there is no locally made vaccine, Kenya has been importing it for its farmers. This has economic impact on the country, and exotic viral strains may not effectively protect against the local strains; outbreaks of IBD in vaccinated birds have continued to occur. This study is geared towards production of IBD vaccines (live-attenuated and inactivated ones) using local viral strains and working out respective effective vaccination program. This will lead to production of chickens that are well-protected against IBD; increment of chicken numbers per farmer; and poverty alleviation. Local production of the vaccines will ease the country's financial burden of importing vaccines from other countries, while improved economic status for the farmers will collectively translate to improved economy for the country. Increased productivity of the birds and financial status of the people will contribute towards improved livelihoods especially of the poor, in line with Millenium Development Goals and Kenya's Strategies for Revitalisation of Agriculture (SRA) and Vision 2030. Since chicken are a livestock easily kept, protecting them from IBD will directly improve the economic status of women. A master seed of well-characterised IBD viruses will be maintained for continuing vaccine production and also for sale. Both the vaccines and the IBD virus master seed will be patented.

13. Health risks associated with Mycotoxins (Aflatoxins and fumonicins) contamination of maize and animal feeds- This is a collaborative project between university of Nairobi and MTT AgriFood Research, Finland. The Project is funded by the Ministry of Foreign Affairs, Finland. Other partners are EVIRA-Finnish Food Safety Authority, Egerton University and KARI in Kenya. The project is supporting 10 Masters students 2 of whom are from the Department. Through this project, it is expected that an ISO 17025 certified mycotoxin laboratory will be established which will have an international recognition for mycotoxin analysis. The project leader is Prof. Hannu Korhonen (MTT Agrifood Research) assisted locally by Prof. E.K. Kangethe, Department of Public Health, Pharmacology and Toxicology..

14. To Enhance sustainable agricultural production and processing practices for high quality beef and chicken meat products for competitive markets for improved livelihood in the ASAL.- Funded by Kenya Productivity and Agribusiness Project (KAPAP)- Prof. Kanyari- Beef Value Chain, Prof. Kabuage / Dr. Kuria- Chicken Value Chain
15. Improvement of Dairy productivity and Marketing in sub-humid and pastoral areas of Kenya through improved value chain . – Funded by Kenya Productivity and Agribusiness Project (KAPAP)- Dr. G.C. Gitao –
16. Characterizing and Assessing the benefits and Public Health Risks of Urban and Peri-Urban Livestock Production in Three Urban Settlements around Lake Victoria namely Kisumu, Entebbe and Mwanza. Collaborators Members are: Prof. PWN Kanyari, Lead Scientist, Dr. J. Kagira, Research Scientist, KARI, Prof. JRL Mhoma, Open University of Tanzania, Tanzania, Prof. Akiiki Rubaire, Makerere University. Uganda, Donor: VicRes via IUCEA
17. Developing Reforms for promoting ASAL communities in drought mitigation and maximization of livestock resources for improved livelihoods through strategic linkages. Prof Paul Kanyari. Collaborators Members: Faculty of Agriculture UoN; Ministry of Livestock Development; Kenya meat Commission; Nutrix Mix (Feed Manufacturers), COVOW (Non-governmental Organization, KARI, World Bank thru' KAPAP
18. Diversity and phylogeographic relations among ectoparasites of wild birds and small mammals in two mountain ranges (Kulal and Nyiru) from Northern Kenya. Prof Paul Kanyari. Collaborators Members: A team of Romania

Scientists led by Dr Andi Mihalca, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania



19. Development and evaluation of herbal anthelmintic drugs for ruminant animals. An innovation project funded by JKUAT training one PhD (UON) and three masters student(JKUAT). (Dr. Gakuya)
20. Improving the quality of life by sustainable management of potato viruses and their major vectors, funded by the UK based Monsanto Fund. Investigators: Dr. Lesley Torrance, Scottish Crop Research Institute; Dr. Hassan Were, Masinde Muliro University of Science and Technology, Prof. Florence Olubayo, University of Nairobi and Dr. John Kabira; Kenya Agricultural Research Institute. (2009-2011).
21. Distribution of Potato Tuber Moth (*Phthorimea operculella* Zeller) and development of integrated management strategies for its management. Funded by the National Council for Science and Technology. Investigators: Prof. Florence Olubayo, Prof. Huria Nderitu, Mrs Dora Kilalo and Dr. Kabira.(2009-2010)
22. The preventive and Integrated Management of pests and diseases for improved food safety and productivity of passion fruit in Kenya. Funded by Horticulture Crops Development Authority (HCDA). Investigators: Prof. J. Kimenju, Prof. F. Olubayo, Dr. E. Ateka, (JKUAT) Dr. W. Otieno, Grace Kyalo (MoA) and Dora Kilalo. (2008-2010).
23. Development of cultural strategies for Management of *Thrips tabaci*, *Alternaria porri* and *Peronospora destructor* on onions. Funded by Deans committee. Investigators; Dr. Narla Dr. Muthomi , Dr. Olubayo and Prof. Nderitu.(2008-2010).
24. Using improved pulse crop productivity to reinvogorate small holder mixed farming systems in Western Kenya. A collaborative project involving University of Cornell, Kenya Agricultural Research Institute (KARI), Egerton University, Moi University, CIAT and University of Nairobi. Dr. J. Muthomi and Prof. J. Nderitu.(April 2008 – Sept 2010).
25. Enhancing the Postharvest Shelf Life of Passion Fruits Grown under Different Agro-Ecological Conditions through Application of an Ethylene Inhibitor, 1-Methylcyclopropene (1-MCP).involving JKUAT and University of Nariobi - - Dr. J. Ambuko (2011- 2012)

26. Fighting Striga Resistance Genes Deployed to Boost Sorghum Productivity involving. University of Nairobi, National Agricultural Research Institute (NARI), Eriterea, Agricultural Research Corporation (ARC), Sudan, International Crops Research Institute for the Semi Arid Tropics (ICRISAT), Nairobi.
27. Improving tropical legume productivity for marginal environments in sub-Saharan Africa, Funded by GCP/CIAT, Partners in the project (regional/local/international): CIAT, EAIR (Ethiopia), PABRA, Agric Research Council-Zimbabwe, CIAT-Malawi, Chitedze Agric Research Institute-Malawi. Investigators: Prof. P. M. Kimani, (2008-2011)
28. Enhancing Competitiveness of Canning Navy Beans for Domestic, Regional and International Markets Funded by National Council of Science and Technology. Investigators: Dr. George N. Chemining'wa, Prof. J.H. Nderitu and Prof. P.M. Kimani. Institutional Collaboration: University of Nairobi, Ministry of Agriculture and the Kenya Agricultural Research Institute(2009-2010).
29. Strengthening Capacity for Marker Assisted Breeding for Common Bean in Eastern Africa, Funded by Kirkhouse Trust of United Kingdom1/2/2009-31/1/2012. Prof PM Kimani, Dr Ngugi E. and Dr RD Narla
30. Amaranth Grain Production and Value Addition for Improved Livelihoods in the Lake Victoria Basin (LVB) Investigators: Dr. R. Nyankanga, Dr. D. Nakinbugwe (PI), Dr. J. Mugisha, Mrs. D. Madinde, Ms. W. Nyamota. Makerere University/University of Nairobi (2010)
31. Building Capacity in Plant Nematology in East and Southern Africa. Investigators: Dr. J. Kimenju, Prof. Brian Kerry, Dr. J. Wanjohi, Dr. H. Talwana, Dr. B. Sibanda, Dr. Mbwana. Funded by Gatsby Foundation Collaborators: Rothamsted International/KU/Makerere University (2006-2010)
32. Occurrence and evaluation of maize germplasm to common rust disease in Kenya, Investigators: Dr. M. Muiru, Funded by UoN Deans Committee, Collaborators: CIMMYT (2009-2010)
33. Application of Methylcyclopropene (I-MCP) to enhance the Postharvest Shelflife and Quality of Passion and Mango fruits. Investigators: Ambuko J, Owino O.W., Funded by National Council of Science and Technology. Collaborators: JKUAT, UoN (2009-2010)
34. Remodelling agriculture training to empower the youth to rekindle and sustain professionalism needed to industrialize Kenya. Investigators: Dr. Kiarie K. Njoroge, Funded by National Council of Science and Technology, (2009-2010).
35. Enhancing productivity of dry bean in the face of climate variability through drought resilient varieties. Dr. G. Chemining'wa, Prof P. M. Kimani and Dr. M. Mburu, Funded by RUFORUM.
36. Strengthening universities capacity for promoting and facilitating rural innovation processes (SUCAPRI). Dr. G. Chemining'wa, Prof. Olubayo, Makerere University, KU and JKUAT). Funded by EDULINK – European Union.
37. *Putting Nitrogen Fixation to Work for Smallholder Farmers in Africa (N2 Africa)* UoN in collaboration with CIAT. Prof. N. Karanja
38. National Council for Science and Technology – “Impact of climate change and land fragmentation on ecological vulnerability and adaptive strategies in agro-pastoral systems in South-Eastern Kenya”. National Council for Science and Technology Dr. M.M. Nyangito
39. Crop Production in water scarce environments: *getting the most out of localized drip irrigation system*. National Council for Science and Technology - Prof. C.K.K. Gachene
40. Modelling the potential impact of climate change on sorghum (*Sorghum bicolor*) and cowpea (*Vigna unguiculata*) production in semi-arid areas of Kenya using the agricultural production systems simulator (APSIM). RUFORUM, Dr. R. Onwonga
41. Towards Increased Agricultural Productivity and Food Security in East Africa through Capacity building in Agro ecological Intensification. McKnight Foundation, Dr. R. Onwonga
42. Response of maize to soil amendments on acid soils of the central Rift Valley Province of Kenya, Dr. R. Onwonga
43. “Making the best of climate – Adapting agriculture to climate variability” - ASARECA funding, Prof. R. Kinuthia Ngugi
44. “Managing risk and reducing vulnerability of Agricultural Systems under Variable and Changing Climate” – IDRC funding, Prof. R. Kinuthia Ngugi
45. Creating Wealth for Smallholder Farmers in Arid Areas of Kenya: The Case of Mukau (*Melia Volkensii*), Prof. R. Kinuthia Ngugi
46. August 2004 – 2010: Research funds by Swedish International Development Agency (SIDA) under Lake Victoria Research (VicRes) Initiative to investigate impact of land use intensification on soil (chemical, physical and biological) quality within Lake Victoria Basin. (Funding renewed for 2010 – 2011). Dr. V. Kathumo

47. Management of animals in disaster in the Greater Mwingi District. Funded by WSPA. Prof Mulei, Dr H. Mutembei, Dr JD. Mande and Dr E. Mogo
48. Improved food, nutritional security for economic empowerment of women farmers through promotion of disease free cassava planting materials in an integrated cassava and legume intercrop in kenyan coast. A.W. Mwang'o'mbe, R. Mwinga, N. Karanja, S.K, Mbugua, T. Munga, F. Olubayo, K. Ngugi, A research project funded by the National Council for Science and Technology.
49. Rain Water Harvesting for Enhanced Household Water, Food and Nutritional Security: The case of Kitui West, National Council for Science and Technology, 2011. Prof. Wambui Kogi-Makau
50. Strategy to Reduce Mycotoxin Levels in Maize During Storage, National Council for Science and Technology, 2011. Ms. Catherine N. Kunyanga
51. Extraction of Oil from Nile Perch Viscera using Wet Acid Rendering, National Council for Science and Technology, 2011. Mr. Joseph Odhiambo Aloo, J.K. Imungi



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10. Gina Davis, Anthony Ananga, Stoyanka Krastanova, Safira Sutton, Joel W. Ochieng, Stephen Leong, and Violetka Tsoleva (2012) Elevated gene expression at chalcone synthase (CHS) enzyme suggests an increased production of flavonoids in skin and synchronized red cell cultures of North American native grape berries. *DNA and Cell Biology*, In press (DOI: 10.1089/dna.2011.1589)
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15. Karanja Nancy and Mary Njenga (2010) Feeding the Cities. State of the World 2011: Innovations that Nourish the Planet. World Watch Institute.
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WORKSHOPS/CONFERENCES

1. Abong' George O., Michael W. Okoth¹, Jasper K. Imungi¹ and Jackson N. Kabira². Influence of potato cultivar, frying temperature and storage time on levels of peroxides and free fatty acids in crisps made from four Kenyan potato cultivars. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
2. Abong', G. O. and Kabira, J.N (2011). Suitability of two established and three newly released Kenyan potato varieties for processing into crisps and French fries. Food Security and Environmental Sustainability Workshop held on 20-24 February 2011 at Bondo University College.
3. Abong', G. O., Okoth, M.W., Imungi, J.K and Kabira, J.N (2010). Evaluation of selected Kenyan potato cultivars for processing into potato crisps. 5th Annual Research week and International conference held on 22-24 September 2010 at Egerton University.
4. Abong', G. O., Okoth, M.W., Imungi, J.K and Kabira, J.N (2011). Effects of cultivar, frying temperature and slice thickness on oil uptake and sensory quality of potato crisps processed from four Kenyan potato cultivars. Food Security and Environmental Sustainability Workshop held on 20-24 February 2011 at Bondo University College.
5. Abong', G. O., Okoth, M.W., Imungi, J.K and Kabira, J.N (2011). Losses of ascorbic acid during storage of fresh tubers, frying, packaging and storage of potato crisps from four Kenyan potato cultivars. College of Health Science International Scientific Conference held on 15-17 June 2011 at University of Nairobi.
6. Aleri, J.W. J. Nguhiu-Mwangi, E.M. Mogoia and C.M. Mulei (2011): Risk factors associated with body injuries and poor welfare in cattle within smallholder units in peri-urban areas of Nairobi, Kenya. Proceedings of the 45th Annual Scientific conference of the Kenya Veterinary Association, 27th – 29th April 2011, Kisumu Kenya.
7. Aleri. J.W., A.N. Kipyegon., J.D. Mande., C.M. Mulei and D.N. Karanja N. Acute respiratory distress syndrome due to babesiosis in a dog. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.

8. Aleri. J.W., H.M. Mutembei., C.M. Mulei., S.M. Mbugua and J.W. Gakombe. Retrospective study on canine infertility in Nairobi and its environs. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
9. Ambuko. J. L., Developing InterActive Learning Competency for Rural Innovation in Higher Education short course. Wageningen (The Netherlands). 6th to 26th February 2011.
10. Amenyha Hesbon Z., Peter K.Gathumbi and James M. Mbaria Acute toxicity and cytotoxicity of aqueous and chloroformic extracts of rapanea melanophloeos. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
11. Arimi, S.M. Emerging trends of tuberculosis in Kenya: the human livestock interlinkage,. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
12. Ayieko P.O, Kang'ethe E.K, Nzuma M.J, Mbaabu P.M An economic analysis of the contribution of livestock to household incomes in Migori District, Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
13. Bebora L.C. – Attendance to level III Food Safety Training at KEMRI, Kenya 1st – 6th November 2010
14. Bebora L.C.- Attending grantee meeting and Biennial conference held by RUFORUM, 2319-23rd Sept. 2010, in Uganda.
15. Bebora L.C. Feedback workshop on measures to reduce food safety risks in urban and peri-urban agriculture , jointly organized by Swedish University of Agricultural Sciences (SLU) and University of Nairobi, held at Jakaranda Hotel, Westlands on 4/2/2011-
16. Birithia, R. L., Subramanian, S., Muthomi, J., and Narla, R. D. 2010. Distribution of the tospovirus Iris Yellow Spot Virus infecting onions in Kenya. Tenth Horticultural Association of Kenya (HAK) Workshop on Sustainable Horticultural Production in the Tropics: Analysis of Production Chains of Ornamentals for the Local Market and For Export. 8th - 11th December 2010, Jomo Kenyatta University of Agriculture and Technology (JKUAT).
17. Bundi, R.M. Gakuya, D.W., Kipyegon, A.N. and Muthee, J.K. An outbreak of sheep and goat pox disease in a farm in Kiambu West District, Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
18. Chemining'wa G. N. and Prof. E. Mutitu, Training workshop for Kenya Anti-plagiarism Solution, KIE- Nairobi, 5-6th may 2011.
19. Chemining'wa G. N. Development of Performance Monitoring Plans (PMP) for snap bean project, Nairobi, 1st – 4th July 2010.
20. Chemining'wa G. N. Regional workshop on experimentation, survey design and data analysis using R software. AAC – Nairobi. 25-29th October 2010
21. Chemining'wa G. N., ASARECA M & E workshop, Kigali, Rwanda 23rd to 27th May 2011.
22. Chemining'wa G. N., Olubayo F. M. and Muthomi J. – 12th KARI Biennial Conference, KARI Headquarters, 8-12 November 2010.
23. Chepkwony E. C., Gitao G. C., Muchemi G. M. Factors leading to lack of confirmation and under-reporting of foot-and-mouth disease in the Somali-ecosystem in Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
24. Chepkwony E. C., Gitao G. C., Muchemi G.M Collection, serotyping and characterization of foot-and-mouth disease virus in circulation in the Somali-ecosystem in Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.



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26. Chepkwony E.C. Gitao C.G. Muchemi G.M. Sero-prevalence of Foot and Mouth disease in the Somali Ecosystem in Kenya Sept. 8th – 10th 2010
27. Cheplwony E.C. Gitao C.G. Muchemi G.M. Factors leading to Non-confirmation and Under-reporting of Foot and Mouth disease virus in circulation in the Somali Eco-system in Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010
28. Dobson E., E.Okoth, P.K. Gathumbi and Bishop, R.(2011) Pathology of African Swine fever virus infection in domestic pigs in Busia County, Kenya
29. Eshitera, E.E., Maingi N., Githigia, S. M. , Kitala, P. ¹ Otieno R.Prevalence of porcine cysticercosis and risk factors for taenia solium cysticercosis/taeniosis in three divisions of Homa Bay District, Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
30. Gakuya DW Regional Symposium for the Carnegie-Rise fellows held at Imperial Royale, Kampala ,Uganda on 15th September,2010.
31. Gakuya DW, Forum on Regional Networks in Africa in Science Education and Conference held at Kopanong Hotel and Conference Center, Benoni, South Africa on 5th to 9th October,2010.
32. Gakuya, D.W, Muthee, J.K., Mulei, C.M. and Gatume , F.N. An investigation on the pathogens associated with clinical mastitis in dairy cows managed by the ambulatory services of the Faculty of Veterinary Medicine, Kabete. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
33. Gakuya, D.W. Kiama,S.G., Mbaria,J.M., Gathumbi P.K Mathiu, M., Nguta,J.M: Traditional medicine in Kenya: past and current status, challenges and the way forward: 7th Biennial Scientific Conference of Faculty on veterinary Medicine September 8th to 10th 2010.
34. Gakuya,D.W: Mbaria, J.M., Kiama,S.G., Gathumbi P.K , Mathiu,M.³ Nguta,J.M. (2010). Ethnoveterinary medicine : The prospect of integrating ethnoveterinary medicinal plants products in veterinary medicine in Kenya. 7th Biennial Scientific Conference of Faculty on veterinary Medicine September 8th to 10th 2010.

35. Gathumbi P.K. One day workshop on Forensic Veterinary Science on 18th May 2011. In the Department of Veterinary Pathology, Microbiology and Parasitology
36. Gathumbi P. K., One Health Concept hosted by USAID/RESPOND project at Merica Hotel Nakuru on 8th December 2010
37. Gathumbi P. K., one health leadership training held on 14th and 15th December 2010 at Serena Hotel Nairobi, Kenya sponsored by USAID/RESPOND project
38. Gathumbi P. K., Veterinary Education, Accreditation and Quality Assurance organized by The Kenya Veterinary Board on 4th November, 2010 at KCB retreat centre Karen
39. Gathumbi P.K and E. Dobson (2011) Post mortem and forensic report & procedures. A paper presented in the Kenya Veterinary Association Annual Scientific Conference Kisumu on 27th to 29th April 2011 at Kisumu Hotel Kenya
40. Gathumbi P.K and L.C Bebora were trainers of trainers in PREPARE PhD SUPERVISION training Workshop held on 23-25th March , 2011 at CAVS UoN
41. Gathumbi P.K One day workshop to develop policy recommendations targeting the emergence and spread of antibiotic resistance on March 2 , 2011, at Panafric hotel Nairobi
42. Gathumbi P.K, Natural Products Industry Initiative Stakeholders workshop at *National* museums of Kenya on December 9, 2010
43. Gathumbi P.K. Emerging livestock: current status and global perspectives with a local focus emerging livestock: current status, global perspective with a local focus livestock production to support livelihood, employment and wealth creation in Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
44. Gathumbi P.K. Retreat on June 17-19 2011, at Kenya School of law complex Karen, to prepare a proposal on natural products industry initiative for presentation to the full council of National Economic and Social Council (NESC)
45. Gathumbi P.K. Retreat , on May 3-6, 2011 to prepare a proposal on the natural product industry initiative for presentation to NESC
46. Gathumbi P.K. The 4th annual dissemination Conference of the National Council for Science and Technology , on May 3-6, 2011
47. Gichohi C. M., P. G. Muthia R. M. Waruiru, T. A. Ngatia, P. W. Kamundia, M. N. Mutune and R. O. Otieno 2010. Prevalence and Intensity of *Paracampylus* Species Infection in Farmed and Wild Catfish in Upper River Tana Basin, Kenya. Presented in the 7th Biennial Scientific Conference & Exhibition, 2010 Faculty of Veterinary Medicine University of Nairobi. Theme: One Health in a Changing Environment at CAVS Kabete on 8th to 10th September 2010 (Abstract in the proceedings).
48. Gitau C.G. participated in developing a Camel training curriculum in training Institutions Came Sector Stakeholder Workshop On Development of an Integrated Came I Management Package 7th - 8th December 2010, Methodist Guesthouse, Nairobi
49. Gitau C.G., S.M. Kihu, L.C. Bebora, J.M. Njenga, G.G. Wairire N. Maingi, R .G. Wahome, Developing capacity for implementing innovative PPR control strategies based on the Epidemiology and Socio-economic aspects of the disease in the East African region. Second Biennial conference of the Regional Universities Forum for Capacity Building in Agriculture 20th-24th September 2010 Entebbe
50. Gitau, G.K J.W. Aleri, P.G. Muthia and C.M. Mulei. Causes of calf mortality in Peri-Urban area of Nairobi, Kenya. 7th Biennial Scientific Conference, Faculty of Veterinary medicine, University of Nairobi, Kabete, Nairobi, Kenya, 8th-10th September 2010.
51. Githigia S.M. attended a pork product value chain stakeholders' workshop on 21st to 24th June, 2011 at KARI station THIKA.
52. Gitonga .N. P., Njagi .L. and Wasike .R.P. Kidney failure due to uterine stump pyometra in a five year old female cross breed dog. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
53. Hutchinson M. J., Regional Leadership Training for Food Security Champions in Africa, Ethiopia 29th April to 14th May 2011.
54. Ithinji G.D., Gitau C.G and Ireri R.G. Seroprevalence of peste des petits ruminants in cattle camel and selected wildlife species in Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
55. James W. Muthomi Asareca Workshop On Sustainable Management Of Banana Bacterial Wilt In Banana Cropping Systems in East & Central Africa Bujumbura, Burundi – 27th February to 5th March 2011
56. Kabuage, L. W., Indigenous poultry production: current status, challenges opportunities and future trends in a changing environment. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.

57. Kagira, JM , PWN Kanyari: The role of Veterinary and Medical Personnel in the Control of Zoonoses in Urban Settlements on the Shores of Lake Victoria, Kenya. 13th Association of Institutions for Tropical Veterinary Medicine (AITVM) conference Aug. 22nd – 26^h 2010. Sofitel centara Grand Hotel Bangkok Thailand
58. Kagira, JM, PWN Kanyari: The role of Veterinary and Medical Personnel in the Control of Zoonoses in Urban Settlements on the Shores of Lake Victoria, Kenya. 13th Association of Institutions for Tropical Veterinary Medicine (AITVM) conference Aug. 22nd – 26^h 2010. Sofitel centara Grand Hotel Bangkok Thailand (Appendix 1A)
59. Kaingu, C. Odumah J., Kanui T. Medicinal plants used by traditional birth attendants for the management of pre, intra and post partum complications in Machakos District, Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
60. Kaingu, C., Odumah, J., Kanui, T. The effect of aqueous, ethanol and chloroform extracts of euclea divinatorum (ebenaceae) and ricinus communis(euphorbiaceae) plants on isolated rabbit uterine strips. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
61. Kairu-Wanyoike, S. W., Kaitibie, S., Taylor, N.M., Heffernan, C. and Gitau, G.K. Willingness to pay for CBPP vaccine and vaccination in Narok District of Kenya: An application of Conjoint Analysis-Contigent Valuation method (CJA-CVM). 7th Biennial Scientific Conference, Faculty of Veterinary Medicine, University of Nairobi, Kabete, Nairobi, Kenya, 8th-10th September 2010.
62. Kairu-Wanyoike, S.W., Kaitibie, S., Taylor, N.M., ³Heffernan, C., Gitau, G.K. Application of conjoint experiment to explore farmer preferences for contagious bovine pleuropneumonia vaccine and vaccination attributes in Narok District of Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.



63. Kairu-Wanyoike, S.W., Taylor, N.M., Heffernan, C., Gitau, G.K., Kiara, H. An Estimation of the impact of Contagious Bovine Pleuropneumonia and its Control by Vaccination: a Case of Narok District of Kenya. 7th Biennial Scientific Conference, Faculty of Veterinary Medicine, University of Nairobi, Kabete, Nairobi, Kenya, 8th-10th September 2010.
64. Kairu-Wanyoike, S.W., Taylor, N.M., ²Heffernan, C., Gitau, G.K., Kiara, H. An estimation of the impact of contagious bovine pleuropneumonia and its control by vaccination: a case of Narok District of Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
65. Kamundia, P.W., P.G. Mbutia, Waruiru R. M, Njagi L. W., Nyaga P. N., Mdegela, R.H., Byarugaba, D. K. and Otieno R.O. 2010. Pathological Changes in selected organs of Nile Tilapia and Nile Perch in Lake Victoria,

- Kenya. Presented in the 7th Biennial Scientific Conference & Exhibition, 2010. Faculty of Veterinary Medicine University of Nairobi. Theme: One Health in a Changing Environment at CAVS Kabete on 8th to 10th September 2010 (Abstract in the proceedings).
66. Kamundia, P.W., P.G. Mbutia, Waruiru R. M, Njagi L. W., Nyaga P. N., Mdegela, R.H., Byarugaba, D. K. and Otieno R.O.2010. The Occurrence of Trypanosoma in Fish in lake Victoria. Presented in the 7th Biennial Scientific Conference & Exhibition, 2010 Faculty of Veterinary Medicine University of Nairobi. Theme: One Health in a Changing Environment at CAVS Kabete on 8th to 10th September 2010 (Abstract in the proceedings).
 67. Kang'ethe Erastus K. Aflatoxin in animal feeds and human food in changing environments. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
 68. Kangethe E. K. ILRI Research project function at the University of Pretoria from 17-23 April 2011.
 69. Kangethe E. K. Veterinary Public Health Continuous Professional Development workshop in Arusha, Tanzania from 21-25 June 2011.
 70. Kangethe E. K., 2nd Project meeting at MTTI Agrifood Research at Jokionen, Finland from 26th September to 2nd October 2010.
 71. Kangethe E.K. Annual planning meeting of ILRI/BMZ safe food, fair food project in Abidjan, Cote d'Ivoire 10-12th August, 2010.
 72. Kanja, L.. 2nd African International Symposium in Environmental Toxicology, held in School of Veterinary Medicine-University of Zambia, 8-10 September, 2010
 73. Kanja, L.. Training on PhD supervision. March 8-10th 2011.
 74. Kanyari P.W.N. Kenya Veterinary Association Annual Scientific Conference Kisumu on 27th to 29th April 2011 at Kisumu Hotel Kenya
 75. Kanyari P.W.N. Training of national officials of WTO-agreement on application of sanitary and phytosanitary measures (SPS), negotiations and science based arguments in international standard making process from 9th to 11th May 2011 at KEPHIS Hqts, Nairobi, Kenya
 76. Karanja D N J W Aleri, 'A N Kipyegon, 'J D Mande, 'C M Mulei. An acute respiratory distress syndrome due to babesiosis in a dog. A Poster presentation in 7th Biennial Scientific Conference of the Faculty of Veterinary Medicine on 8th – 10th September, 2010,
 77. Karanja D N, Toxic poisoning of pigs encountered naturally in smallholder farms in Nairobi and its environ. Ngatia T A, Wabacha J K and Bebora L C. A Poster presentation in 7th Biennial Scientific Conference of the Faculty of Veterinary Medicine on 8th – 10th September, 2010,
 78. Karanja, D N Aleri, A N Kipyegon, J D Mande, C M Mulei. A Poster presentation in 7th Biennial Scientific Conference of the Faculty of Veterinary Medicine on 8th – 10th September, 2010,
 79. Kavo*, B. M. A. N. Makanya, J. Plendl, S. G. Kiama: The morphology of olfactory mucosa after administration of vinblastine sulphate in rabbits. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
 80. Kiama S. G, Regional Symposium for the Carnegie-Rise fellows held at Imperial Royale, Kampala ,Uganda on 15th September,2010.
 81. Kiama S. G., (2010). Laboratory animal science education and training in Kenya. Animal Science Workshop at the Institute of Primate Research, Nairobi Kenya, 5th July 2010.
 82. Kiama S. G., Clinton Global Initiative meeting in New York where Commitment for establishment of Wangari Maathai Institute was pronounced by John Podesda, former White House Chief of staff and current President of the Centre for American Progress, to an international audience.Sept 2010 <http://www.youtube.com/watch?v=r7K5dWoHWtw>
 83. Kiama S. G., Consultative Meeting on a Global Universities Partnership on Environment and Sustainability- (GUPES) Unep Headquarters, Nairobi. 18-19 November 2010
 84. Kiama S. G., Consultative meeting with the dhk Architects on 12th and 13th April 2011 at Kabete Campus, Nairobi.
 85. Kiama S. G., Forum on Regional Networks in Africa in Science Education and Conference held at Kopanong Hotel and Conference Center, Benoni, South Africa on 5th to 9th October,2010.
 86. Kiama S. G., Millennium Development Goals Advocacy Group Meeting Chaired by President Paul Kagame at the United Nation Headquarters in New York. September 2010.
 87. Kiama S. G., Preliminary jury meeting for Wangari Maathai Institute for Peace and Environmental Studies (WMI) design competition held on Monday 31st January 2011 at the Jacaranda Hotel, Westlands
 88. Kiama S. G., WMI Green Campus Architectural Design Competition Jury adjudication process and announcement of the winner on 13th to 16th February 2011 at the National Museums of Kenya, Nairobi.
 89. Kiama S. G., WMI Strategic planning workshop at Naivasha Simba Lodge on 16th to 18th July 2010.

90. Kiama S. G., Workshop for the Stability, Democracy and Rights platform of the Building stronger Universities, an initiative of Universities Denmark on 10th and 11th March 2011 at Jacaranda Hotel, Nairobi
91. Kiama S. G., Workshop with the Norwegian Forestry Group on 17th – 18th February 2011 at Chiromo Campus.
92. Kiare Njoroge; Annual RUFORUM meeting, Kampala, Uganda 13th to 16th March 2011.
93. Kibebe, H.W., P.K.Gathumbi, C.S. Kigundu, P.G.Mbuthia, J.W. Karioki. 2010. Early Detection of Hyperglycemia using Glycated Hemoglobin in mice model. Presented in the 7th Biennial Scientific Conference & Exhibition, 2010 Faculty of Veterinary Medicine University of Nairobi. Theme: One Health in a Changing Environment at CAVS Kabete on 8th to 10th September 2010 (Abstract in the proceedings).
94. Kihu, S.M. C.G. Gitao, L.C. Bebora, J.M. Njenga¹, G.G. Wairire² N. Maingi, R.G. Wahome, ¹Risk factors and socio-economic effects Associated With Spread of Peste Des Petits Ruminants in Turkana District Kenya . Second Biannual conference of the Regional Universities Forum for Capacity Building in Agriculture 20th-24th September 2010 Entebbe
95. Kimani P. M.; Pan African Bean Research Alliance Strategic Plan workshop in Kampala, Uganda, 5th – 6th November 2010.
96. Kimani, P. M., Fifth Annual Review and Planning Meeting of the African Bean Consortium, Kampala Uganda, 20th – 25th June 2011.
97. Kimani, P. M.; ECA BREN Steering Committee meeting, Bujumbura, Burundi, 17th to 21st January 2011.
98. Kimani, P. M.; Narla R. D. ,Race Typing of Bean Pathogen Diseases workshop, Durban, South Africa, 7th to 11th March 2011.



99. Kimani, P. M.; Tropical Legume Annual meeting, Madrid, Spain, 21st to 28th August 2010.
100. Kimani, P.M. Integrated Nutrient, Water, Pest and Disease Management workshop in Kampala, Uganda, 5th – 9th December 2010.
101. Kimata, M. D., Mwangi, R. W. and Mathiu, P. M. Adverse effects of indoor confinement on reproductive performance and hormone levels in the helmeted guinea fowl (*Numida meleagris*). The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.

102. Kimata, M. D., Mwangi, R. W. and Mathiu, P. M. Rearing methods do not affect growth pattern of the helmeted guinea fowl (*Numida meleagris*) The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
103. Kimenju J. W. Plant Nematology Training as a Resource Person in Arusha, Tanzania. 21st February To 4th March 2011.
104. Kimenju J. W. project planning meeting Nematology Initiative for Eastern and Southern Africa (NIESA) in Kampala, Uganda 24th To 25th March 2011.
105. Kimwele, C.N. Animal welfare: current status and the future of trends in a changing environment. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
106. Kinama, J. RUFORUM Universities Exhibition/Ministrial meeting in Kampala, Uganda, 14th to 20th November 2010
107. Kipyegon T. , A. N., Abuom T.O., Aleri, J.W., and Mulei C. M. Raumatic diaphragmatic hernia in 3 canines, a challenge to management. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
108. Kipyegon, Mammalian ano-genital development, current advances by Ashley W. Seifert Ph.D. University of Florida, Department of Veterinary Anatomy & Physiology 14th July 2010
109. Kisia S.M. and D.O. Oyugi- Common water hyacinth, *Eichhornia crassipes*: an invasive plant species that has wrecked havoc in Lake Victoria The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
110. Kisipan, M.L., Makanya, A.N., Oduor-Okelo, D. and Onyango, D.W. The epididymis of rufous sengi (*Elephantulus rufescens*): structure, adaptations and role in sperm maturation and storage. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
111. Kitaa J.M.A., Abuom T.O., Gitonga P. and Muraya J. Chronic pododemodiosis in a Great Dane Kenya Veterinary Association Annual Scientific Conference 2010 Garissa.
112. Kitaa, Emerging New FMD Strain in the Field and Management of Rabies. Continuing Professional Development. 29th October 2010 Lenana Mount Hotel Nairobi.
113. Kitaa, Zoonoses Scientific Conference. 27th September 2010. Indian Ocean Beach Hotel. Diani Mombasa.
114. Kudra A, Chemining'wa G., Sibuga, G. K. P. and Onwanga. Influencing of soil fertility management on striga seed dynamics and grain yield of sorghum in semi-arid areas of Tanzania. Ruforum Conference 22-24 September 2010. Entebbe-Uganda.
115. Kunyanga, C.N., Biesalski, H.K., Scherbaum, V., Vadivel, V., Imungi, J.K., Okoth, M.W. 2011. Evaluation of the role of flavanoids present in indigenous foods regarding health and nutrition of vulnerable groups in Kenya. Presented in "II World congress of Community Nutrition" held in Alfandega Congress Centre, Porto, Portugal on September 23-25, 2010.
116. Kunyanga, C.N., Biesalski, H.K., Scherbaum, V., Vadivel, V., Imungi, J.K., Okoth, M.W. 2011. Antioxidant activity of phenolics in indigenous foods. Presented in International Conference on "African Nutritional Epidemiology" organized by Centre for Public Health Research, Kenya Medical Research Institute, held in Nairobi, Kenya on 4-8, October, 2010.
117. Levy, MA, Dewey, CE¹, Weersink, A, Mutua, FK Comparative profitability of pork butcher businesses in Western Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
118. Lubembe, D. M., Patel, E., Ng'ang'a, J. C., Githigia, S. M. and Toye, P. G. Molecular characterization to identify the genotypic diversity within the infection and treatment method (ITM) vaccine for east coast fever using micro- and minisatellite markers. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
119. Maina, J.G. Fish production in Kenya – opportunities, challenges and way forward? The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
120. Maitho T. E. PhD Supervision training workshop, 23rd-25th March 2011. College of Agriculture and Veterinary Sciences, University of Nairobi.
121. Mapenay, I. Training on PhD supervision. March 8-10th 2011
122. Mathiu Mbaabu, Francis Mwaura and Joel Wamalwa. Surface water contamination by livestock in Migori District: a case for one health. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
123. Mbaria, J.M.. Training on PhD supervision. March 8-10th 2011
124. Mbugua S.K. 2010. Effect of lactic fermentation on nutritional value for traditional starch porridges; Paper presented to the Forum on Urban Nutrition on "Towards innovations and best practices in urban nutrition, sponsored by Concern Worldwide; Ministry of Health, Kenya, Nairobi City Council; World Food Program and UNICEF; 25th August 2010, Silver Springs, Nairobi, Kenya.
125. Mbugua S.K. 2010. Participation in the scoping study on concept notes for projects on food and nutrients security (FANS) in Sub-Saharan Africa. FANS workshop sponsored by Commonwealth Scientific Industrial

- Research Organisation (CSIRO-Australia-Africa), International Livestock Research Institute (ILRI) Campus, 11th – 15th October 2010, Addis Ababa, Ethiopia
126. Mbugua S.K. 2010. South to South technology transfer as strategy for addressing food insecurity in Sub-Saharan Africa. Paper presented to the workshop on “The right to adequate food and nutrition, implications for food science and nutrition education public policy, food fortification and distribution activities”. College of Natural Sciences of Addis Ababa University on 7th – 9th October 2010, Addis Ababa, Ethiopia.
 127. Mbugua S.K. 2010. Studies on improvement of GARI and technology transfer to East Africa as a strategy for improvement of food security. ICFMH symposium on value added processing of indigenous fermented foods, University of Copenhagen, 30th August 2010, Copenhagen, Denmark.
 128. Mbugua S.K. 2011. Cottage Processing for Cassava, Irish Potatoes and Sweet Potatoes, opportunities and challenges. Roots and Tuber Crops APVC Stakeholders Workshop, 28 – 2nd March 2011, KARI, Njoro.
 129. Mbugua, P.N. Animal nutrition: the impact of changing environment. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
 130. Mburu Mary to attend a PABRA wrieshop Arusha, Tanzania from 20th to 27th February 2011
 131. Mbutia attended VICRES Fisheries and aquaculture cluster workshop 12th to 15th Dec. 2010. Lakairo Hotel Mwanza Tanzania
 132. Mbutia P.G. - Attended Basic Training Course on WAHIS and WAHID Disease Notification for OIE Focal Points on Aquatic Animal diseases, Organized by World Organization for Animal Health (OIE) with the support of the European Commission, held at the regional Animal Health Centre for Southern Africa (RAHC-SA) Gaborone, Botswana on August 31st – September 1st 2010 (Awarded Certificate of participation).
 133. Mbutia P.G. Poultry Health and well-being training workshop held at Sunshine Hotel Kericho on Jan. 26-28, 2011



134. Mbutia P.G. Poultry Biosecurity Meeting in Dar es Salaam, Tanzania on 15th -18th November 2010 sponsored by FAO-ECTAD. The purpose of the meeting was to finalize a Regional Biosecurity Guidelines for Poultry in East Africa.
135. Mbutia P.G. Poultry Health and well-being training workshop held at Jamindas Paradise motel Kakamega on February 2-4, 2011
136. Mbutia P.G., C.G. Mathenge and P. W. Kamundia. 2010. Fish Diseases in Kenya: Current Status and Future Trends in Changing Environment. Presented at 7th Biennial Scientific Conference & Exhibition, 2010. Faculty of Veterinary Medicine University of Nairobi. Theme: One Health in a Changing Environment at CAVS Kabete on 8th to 10th September 2010 (abstract in the proceedings).
137. Mbutia P.G., Gichohi C. M. and Kamundia P. W. . Fish diseases in Kenya: current status and future trends in changing environment. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.

138. Mosoti Mogo (2011): Promoting Animal and Human Welfare in Disasters: The Role of Veterinary Professionals. Proceedings of the 45th Annual Scientific Conference of the Kenya Veterinary Association, 27th – 29th April 2011, Kisumu, Kenya.
139. Muchemi G. Deans of health alliance schools and their collaborating veterinary schools, October 15-16, 2010, Lake Victoria Serena, Kampala.
140. Muchemi G. Proposal writing workshop 9-14th August, 2010, Karen, Nairobi.
141. Muchemi, G.M. Wildlife-livestock interface in a changing environment. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
142. Mulei C. M., Continuing Professional Development Course in Small Animal Medicine, sponsored by the World Small Animal Veterinary Association, Held at the Faculty of Veterinary Medicine, Kabete in October 2010.
143. Mulei CM, Workshop to promote good Animal Welfare in Kenya, Agricultural Information Resource Centre on 28th - 29th October 2010.
144. Mulei CM, WSPA-UON Animal Disaster Management and Risk Reduction Consultative Faculty of Veterinary Medicine, Small Animal Clinic. 19th – 20th August 2010
145. Muneri C.W.; Bebor L.C.; Kang'ethe E.K.; Githigia S.M. Contamination levels of wastewater, re-used for irrigation, soils and vegetables under the irrigation. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
146. Mureithi SM and Opiyo FEO. 2010. Resource use planning under climate change: Experience from Turkana and Pokot pastoralists of Northwestern Kenya. In: Proceedings at 2nd International Conference on Climate, Sustainability and Development in Semi Arid Regions. 16th – 20th August 2010, Fortaleza, Ceara, Brazil.
147. Musau, J.K1. Mbaria, J.M. and Gakuya, D.W. The antibacterial activity of some medicinal plants used in Meru central district, Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
148. Muthomi, J. Horticultural Association of Kenya (HAK) workshop, (AICAD), JKUAT, Nairobi 7th to 10th December 2010
149. Muthomi, J. W. T. N. Kinyungu, J. H. Nderitu, F. M. Olubayo and J. N. Kabira. 2010. Effect of maize border crop placement distance on aphid population and aphid-transmitted virus diseases in potato. 12th KARI Biennial Scientific Conference, 8-12th November 2010, KARI Headquarters, Nairobi, Kenya.
150. Muthomi, J. W., Mureithi, B. K., Chemining'wa, G. N., Gathumbi, J. K and Mutitu, E. W. 2010. Aspergillus and aflatoxin b1 contamination of maize and maize products from eastern and north-rift regions of Kenya. 12th KARI Biennial Scientific Conference, 8-12th November 2010, KARI Headquarters, Nairobi, Kenya.
151. Mutua, F.K. A review of pig production in Western Kenya: current status and future trends in changing environment. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
152. Nganga, D.W. Gakuya, R.M. Waruiru, A.Z., Sabuni and B.S. Muasa (2010 C.J.). Use of Albendazole - levamisole combination in controlling multiple anthelmintic resistance in a sheep farm in Kabete, Kenya. 7th Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010
153. Ngugi E.; Bioearn Conference; Khartoum, Sudan (25 – 28 October 2010)
154. Ngugi, E. K.; Development of Biotechnology Proposals, Entebbe, Uganda. 21st February to 25th February 2011.
155. Nguta et al. (2010). Development of ethnomedicines for management of malaria in Msambweni district, Kenya: In: The Proceedings of a Workshop on Regional Networks in Africa, held on October 5-6th, 2010 at the Kopanong Hotel and Conference Centre in Benoni, South Africa, near Johannesburg.
156. Nguta et al. (2010). Ethnodiagnostic Skills of the Digo Community for malaria: A lead to traditional bioprospecting? In: The Proceedings of the 1st East and Central Africa Regional Symposium for the Carnegie-RISE Fellows held on September 15th, 2010 at Royale Imperial Hotel, Kampala-Uganda, East Africa.
157. Nguta et al. (2010). Natural products from plant biodiversity and malaria: In: The 12TH International Symposium on Natural Product Chemistry and Related Biological Sciences, International Centre for Chemical and Biological Sciences (ICCBS), University of Karachi, Pakistan during November 22-25, 2010.
158. Nguta J. M: 1st International Scientific Conference held at the College of Health Science University of Nairobi from 15th-17th June, 2011.
159. Nguta, J.M; Mbaria, J.M. Bioavailability of cobalt and anthelmintic effects of albendazole fortified with cobalt (vermitan super) in sheep. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
160. Nguta, J.M; Mbaria, J.M; Spectroscopic determination of cobalt and copper in grass pastures in Kabete. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
161. Njagi attended a workshop and training on sanitary / phytosanitary (SPS) and risk analysis; held in Addis Ababa, Ethiopia, on 14th to 24th September 2010

162. Njagi attended a workshop and training on strategies for promotion of good animal welfare; held at Agricultural Information Resource Centre, Nairobi on 28th and 29th October 2010.
163. Njagi L.C. Attended the vaccine technical committee meeting on 11th May 2011 at KEVIVAPI Embakasi, Kenya
164. Njagi L.W., Nyaga P.N., Mbutia P.G., Bebora L.C., Michieka J. N., and Minga U.M.(2010): A respective study of factors associated with Newcastle disease outbreaks in village indigenous chickens. *Bulletin of Animal and Production*, vol 58, No 1 (2010)
165. Njenga M. J. Veterinary education and training: remaining relevant in changing demands for veterinary service delivery. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
166. Nyaga P.N. Kenya Government meeting on Disaster management at Intercontinental Hotel on February 7-11, 2011
167. Nyaga P.N. A seminar for the Kenya Government on Avian Influenza preparedness on January 24-28, 2011
168. Nyaga P.N. One Health One World and the impact of transboundary diseases in the communities in a RUFORUM workshop at the Windsor hotel on May 22-27,2011
169. Nyaga P.N. traveled to Arusha to meet students on RUFORUM project on March 4-6, 2011
170. Nyaga Presented a Keynote paper entitled,'engaging agricultural universities in responding to emerging challenges: transboundary animal-human health epidemics', at RUFORUM 2nd biennial seminar held at Entebbe, Uganda, on 23rd-28th September 2010
171. Nyaga; P.N. Transboundary animal diseases in relation to the changing environment: current status and future trends. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
172. Nyongesa Albert W., Anna Forberg, Carl Hallberg,Hans-Erik Carlsson-use of lesser bush baby (galago senegalensis) in research. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
173. Ochwang'i Dominic, Charles Kimwele, Nancy Rice, Stephen G.Kiama Nitric oxide synthase 3 gene transcriptional regulation in pulmonary myofibroblast differentiation and its implication in pulmonary fibrosis. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.



174. Ogara W. (2010): Knowledge Management for Service Delivery to Meet Development Agenda. Ministry of Planning National Development and Vision 2030 Capacity Building Workshop at Great Rift Valley Lodge Naivasha.
175. Ogara W. O., Sirma A.J., Mwai.C.W. Fisheries policy and its relevance to food security and safety. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
176. Ogara W.O. (2010): One world one health for livestock development. Kenya Veterinary Association Annual General Meeting at Almond Hotel Garissa, Kenya, 21st -24th April 2010.

177. Okoth, M.W., J.K. Imungi, J. Wangoh, P.K. Njage and D.W. Mulwa; Food safety and food security linkage: a focus on livestock products. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
178. Olesarioyo J. S. W. Ogara, G. Muchemi. N. Oguge, People, livestock, and wildlife: existing best natural resource management practices in naibung'a and namunyak community based conservancies. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
179. Olubayo F.; 9th CTA Advisory Committee meeting and the CTA week in Johannesburg, South Africa, 22nd – 27th November 2010.
180. Olubayo F.; African Womens Forum for Science and Technology (AWFST) organized by the African Technology Policy Studies Network (ATPS); Accra, Ghana, 9th – 11th August 2010
181. Olubayo, F. M.; Horticultural Policy workshop, PanAfrica Hotel, Nairobi, Kenya, 17th February 2011
182. Olubayo, F. M.; Leadership for charge training sponsored by USAID and implemented by Africa lead programme. Ole-Serani Hotel, Nairobi, Kenya, 16th – 21st January 2011.
183. Olubayo, F. M.; TEEL and Research4Life Programmes Training –of – Trainer Workshop, CAVS, UoN, Nairobi, 3rd – 4th March 2011
184. Olubayo, F. M.; Training for Procurement and Disposal Committees of the University of Nairobi, 9th February 2011.
185. Olubayo, F., Kimani, P.M., Shibairo, S., Njoroge, K., Muthomi, J., Chemining'wa, G., SEMIs Workshop for Review of Short Courses Content, KCB Leadership Centre-Karen, Nairobi, 28th – 30th March, 2011.
186. Ombui, J. Information, Education and Communication (IEC) retreat. GTZ promotion of private sector development in agriculture (9-10th August, 2010, Machakos
187. Ongoro E B and Ogara W O The niche of sociology in the climate change debate paper poses key questions which when answered underpin the context and role of sociology. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
188. Onyango, D. W. Fertility control: the male perspective. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
189. Otiang'a-Owiti George E., Stephen Nyamasyo Eva Malel & Roselyn Onyuro Impacts of climate change on human wildlife conflict in Eastern Africa The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
190. Senerwa, D.M. Training workshop on access of information via intranet and cd-rome. 24-25th February, 2011.
191. Subramanian, S., H.R. Pappu, R. Birithia, O. Shem, J. Muthomi, P. Sseruwagi, R.D. Narla. 2011. Diversity and distribution of Iris yellow spot virus infecting onion in Eastern Africa. 4th Conference of the International Working Group on Legume and Vegetable Viruses (IWGLVV), May 17-20, 2011 - Antequera, Málaga, Spain
192. Varma, Continuing Professional Development Course in Small Animal Medicine, sponsored by the World Small Animal Veterinary Association, Held at the Faculty of Veterinary Medicine, Kabete in October 2010.
193. Wahome, R.G. A systemic approach to the analysis of the feed ingredient scarcity in Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
194. Wamalwa, K., Castiello, M., Ombui, J.N. and Gathuma, J.M. Investigation of hygiene standards of carcasses slaughtered in five local slaughterhouses of Somaliland, Somalia. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.
195. Wanjohi G.M., Gitao C.G. Bebor L.C. Study of mastitis in camels in Northeastern province of Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010.

CONSULTANCIES

1. Analysis of Somaliland Livestock and Meat Value Chains (2011). A study
2. commissioned by FAO-Somalia with financial support from DFID-UK (March –
3. April, 2011), Prof. J.N. Ombui and Dr. Eddy G.M. Mogo.
4. Judging poultry classes at ASK, Nairobi Internal show, to be held from 27th September to 3rd October 2010, at Jamhuri Park, Nairobi. Also the Poultry and Pigs subcommittee chairman at the show. **Prof. Bebor L.C.**
5. Consultancy assignment for the East African Community on the assessment of animal-human health expertise in avian influenza, other zoonoses and transboundary animal diseases in October, 2010. **Prof. P.N. Nyaga**
6. Training on, draught power of camel (training workshop) in Makindu. for KARI –KASAL 10-13th Nov 2010. **Gitao C.G.**
7. Consultancy training on, draught power of camel (training workshop) in Makindu. for KARI –KASAL 10-13th Nov 2010. **Gitao C.G.**

8. **Gamma Systems Ltd:** Assessment of the effectiveness of urea sanitization of human feces for use as manure (June –July 2011-



9. **FAO Kenya:** Needs assessment survey for continuous professional education in Veterinary Public Health and development of training modules (Nov 2010 - Dec. 2011-
10. **FAO Somalia:** Analysis of Somaliland livestock and meat value chains. (March-April 2011-Ksh.
11. **Ministry of Livestock Development, Kenya:** Analysis for pesticide residue and heavy metal levels in meat sold in Kenya. (April-June 2011-
12. **AHITI Ndomba:** Practical training of Diploma in Animal Health and Production students in pharmacological techniques. (April 2011
13. **Murphy Chemicals (EA) Ltd** funded consultancy to carryout toxicological studies of Permethrin pesticide

INTERNATIONAL LINKS AND COLLABORATIONS

The following linkages have been established.

1. The University of Nairobi, Faculty of Veterinary Medicine and the University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania have signed an MoU for purposes of joint research projects among other collaborative activities. This initiative is as a result the visit to Romania by **Prof. P.W.N. Kanyari** in the month of September, 2011. The department has received the following equipments through this collaboration: A Digital Microscope and a A Stereo Microscope
2. Partnerships with donkey sanctuary UK
3. Partnership with world society for protection of animals (WSPA)
4. Collaborative training of human medical surgeons in Laparoscopic surgery between the Department of Clinical Studies and Phillips Healthcare Technologies Kenya Limited (Co-ordinated by Dr. Mogoia E.G.M.), August, 2011
5. Agreement between ohio State Univeersity colubus, Ohio USA and University of Nairobi – Dr. W. O. Ogara
6. Pesticide Control and Products Board (PCPB). In providng toxicity testing for new pesticide products for purposes of registration and sale in to the Kenyan market.
7. FAO Somalia – In provide training and consultancy services for Somalia's Meat sub-sector.
8. Addis Ababa University, University of Khartoum, Sudan University of Science and Technology (Sudan), Makerere University (Uganda) and Freie Universität, Berlin (Germany): On development and implementation of a joint masters

- course in Trans-boundary Animal Disease Management - an ACP-EU Collaborative Program in Higher Education (EDULINK).
9. Bee Keeping Station, Ministry of Livestock Development: On analysis of antibiotic and pesticide residues in honey
 10. Department of Veterinary Services, Ministry of Livestock Development; On analysis of chemical residues in meat and training in meat inspection.
 11. Carnige-Regional Initiative in Science and Education(RISE) through African Natural Research and training Network (AFNNET): Sponsoring students for Masters and PhD programs in Natural products.
 12. Meat Training Institute(MTI), Ministry of Livestock development: In training and evaluation of meat inspectors
 13. Kenya Bureau of Standards: In development of food safety standards
 14. International Livestock research Institute (ILRI): In multidisiplinary joint research programs.
 15. Kenya Veterinary Board: On development and implementation of Continuous Professional Training Workshops.
 16. Bridgewater University
 17. Pretoria University
 18. Lund University
 19. Linkage between the University of Nairobi and the Colorado State University, USA
 20. Link between the Department of LARMAT and MEA Ltd to market biofix.

POSTGRADUATE TRAINING COMPLETED

FACULTY OF VETERINARY MEDICINE

Ph.D. Students who have graduated in 2010

NAME	TITLE OF THESIS
Orengo Caleb Oburu	Expression of trypanotolerant quantitative trait loci in a boran-based backcross under natural tsetse challenge
Lewa Annie Katunge	Evaluation of Animal health care delivery systems in selected areas of Kenya
Mutua Florence Kanini	A study of opportunities for improved Rural pig farming in Western Kenya: feeding, productivity, marketing and public health
Kagira John Maina	Characteristics of production system and trade epidemiology and control of parasites on pig farmers in Busia District, Kenya
Matete George Owour	An assessment of the opportunities and constraints to enhanced animal identification, traceability and quality verification in a beef marketing chain in Kenya.
Ithondeka Peter Maina	Global animal health care delivery systems in selected areas of Kenya
Karanja David Njuguna	Etiology, clinical and pathological presentation of Oedema disease and Oedema-lie syndromes observed in Kenyan pigs

MSc. Students who have graduated in 2010

1. Gitonga Pauline Njoki	Postpartum reproductive performance of dairy cows in medium and large scale farms in Kenya
2. Kyallo Victoria Katuku	Farm factors associated with milk rejection at dairy cooperatives in peri-urban Nairobi
3. Kibebe Herbert Waitindi	Point of care in diabetic patients using Glycated Haemoglobin and blood glucose at Nyeri Provincial General hospital and monitoring the same in diabetic mice
4. Dulu, Thomas Daido	Effects of cholinergic drugs on pain behavior in the naked mole rat
5. Mathenge Charles Gichohi	Prevalence infections in farmed and wild fish in upper river Tana basin, Kenya
6. Ihuthia Peter Mungai	An analysis of Camel calf growth and survival under pastoral Camel production systems in Samburu
7. Mwanyumba Patrick Mwambi	Descriptive analysis of the dairy - crop mixed farming system in Wundanyi division of Taita District, Kenya
8. Kaingu Catherine Kaluwa	An in extracts (plants commonly used by traditional birth attendants) on isolated rabbit uterus
9. Mohammed Hassan	Participatory epidemiology of cryptosporidiosis in dairy calves and children in Malindi

Ali	district, Coast Province, Kenya
10. Monda Joseph Gwaro	Environmental transmission pathways of Crptosporidium parvum in Urban smallholder dairy production in Dagoretti division
11. Nanyende David Wanyonyi	Estimation of the prevalence of brucellosis in humans and livestock in Northern Turkana District, Kenya
12. Chivatsi Daniel Chai	Effects of rosiglitazone on pathology of experimentally induced endometriosis in baboons
13. Muasa Bridgit Syombua	Effect of follicle size and cumulus oocyte complex grade on invitro embryo development competence for boran cows
14. Azagele Allan Embodoka	Assessment of sulfadimidine residues on eggs sold in Nairobi, Kenya
15. Ole Sarioyo Joseph Seneiya	Assessing tradeoffs between pastoral economy and wildlife conservation in the Ewaso Nyiro Basin, Northern Kenya



Masters thesis published

MASTER OF SCIENCE IN VETERINARY PATHOLOGY AND DIAGNOSTICS

a) MSc programs

b) POSTGRADUATE STUDENTS

	Name of Students	TITLE
2	Dr. Mavuti Stephen Kitonga	"Prevalence, Intensity and Pathology Associated with Parasitic Infection in Ducks in Nairobi and its Environs."
3	Dr.Obonyo Fredrick Ojiambo	"Prevalence, Intesity and Risk Factors of Helminthes and Haemoparasite infections in pigs in Homabay district, Kenya."
5	Dr. Donald Lubembe Mukolwe	"Molecular Characterization of the Infection and Treatment Method (ITM) vaccine for east Coast Fever using Minisatellite and Microsatellite markers."
8	Dr. Mutinda Wanzila Usyu	"Multiple Risk Factors Influence Occurrence of gumboro disease outbreaks in Vaccinated broilers in Kwale district, Kenya."
9	Dr. Gathogo Stephen Mwangi	"Prevalence of Bovine Tuberculosis in Slaughter cattle in Kenya: A

		Pathological, Microbiological and Molecular Study.”
10	Dr. Ithinji Duncan Gitonga	“Peste des petits Ruminants in Sheep and Goats and its Prevalence in Incontat Herbivores in Kenya.”
11	Dr. Eunice Cheroni Chepkwony	“An Epidemiological Survey of the Serotypes of Food-and-Mouth Disease Virus in Circulation in the somali-Ecosystem in Kenya”.
17	Dr. Muneri Caroline	“Health Risks Associated with Wastewater used for Irrigaqtion in Uran Agriculture, in Nairobi Kenya”.
22	Hungu Charity Warigia	“Production characteristics and \constraints of Rabbit Farming in Central Nairobi and :Rift Valley Provinces, Kenya.”

MASTER OF SCIENCE IN VETERINARY EPIDEMIOLOGY AND ECONOMICS

	Bernard Omwoyo Moenga	An assessment of the impact of climate change on livestock diseases in Kajiado District, Kenya
	Maloba Fredrick Chimoyi	Cerebrospinal fluid responses as a means of predicting late stage human Afrian trypanosomiasis in the monkey models
	Ayieko Paul Odhiambo	A comparative economic analysis of the contribution of livestock to household incomes: A case of Uriri, Karungu and Nyatike Divisions

MASTER OF VETERINARY PUBLIC HEALTH

	Azegele Allan Embodoka	Assessment of sulfadimidine residues in eggs sold in Nairobi, Kenya
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MASTER OF VETERINARY PHARMACOLOGY AND TOXICOLOGY

	Mureithi Dominic Kiragu	Prevalence of antimicrobial resistance and characterization of resistance genes in <i>Escherichia coli</i> isolates from captive baboons
	Musau Joseph Kisivo	Antimicrobial activity, cytotoxicity and phytochemistry of selected medicinal plants in meru Central Districts, Kenya

FACULTY OF AGRICULTURE

PhD/MSc GRADUATION LIST 2009/2010 ACADEMIC YEAR AND TITLE OF THESIS

Ph.D Graduands

	Name of Student	Thesis Entitled
1	Mugerwa Swidiq	“Indigenous Knowledge and Ecology of subterranean Termites on Grazing Lands in Semi-Arid ecosystems of Central Uganda”.
2	Zziwa Emmanuel	“Impact of Land Use and Cover Change on Soil Quality and Pasture Productivity in Semi-arid Rangelands: The Case of Nakasongola District, Uganda”.
3	Kakota Tasokwa	“The Impact of Climate Variability and Extreme Weather Events on Gender and Household Vulnerability to food Insecurity”.
4	Debela Feyssa	“A Comparative analysis of the Use and Management of Wild Edible Plants on Food Security among Tanshumance and Settled Farmers in Semi-Arid East Shewa, Ethiopia”.
5	Kudra Abdul	“Influence of soil Fertility Management on Striga Seed Bank Dynamics and Grain Yield of Sorghum in Semi-Arid Areas of Tanzania”.
6	Mulebeke Robert	“Enhancing water use efficiency of cassava and sorghum based cropping systems in eastern Uganda”.
7	Mary Baaru	“Improving Smallholder Land Productivity through promotion of sustainable soil and water conservation technologies in Machakos District: A case of Vegetative Macro Contour Lines”.
8	Eunice Githae	“Effects of soil Physicochemical Properties and genetic characteristics on the distribution of Acacia Senegal (L) wild varieties in the Dryland areas of Kenya”.
10	Tairo Vendeline Emmanuel	“Utilization of Woody Plants during time of Food Scarcity from selected Drylands of Iringa District, Tanzania”.

11	Karuku George Njomo	“Effects of Crop Residue Management Practices on soil moisture conservation and validation of CROPWAT Model for predicting water use requirement for tomato crop in Kabete, Kenya”.
12	Kathumo Vincent Mbindo	“Application of Remote Sensing and GIS in Assessing Land Use and Land Cover Changes and Their Impact on Hydrological Regime of River Gucha Catchment, Kenya”.



TITLE OF THESIS		
S/No.	NAME OF THE STUDENT	DOCTOR OF PHILOSOPHY IN PLANT NEMATOLOGY
1.	Nyoni Nessie Luambano	Effect of Biocontrol Agents with Compatible Cultural Practices for Root-Knot Nematode Management in Tomato

MSc in Crop Protection

NO.	NAME	TITLE
1	Orek Charles	Analysis of 'staygreen' characteristic associated with drought tolerance in cassava (<i>Manihot esculenta</i> Crantz) under greenhouse conditions
2	Mureithi K. Benson	Occurrence of mycotoxins and mycotoxin producing fungi in maize and effects on type of storage

MSc Plant Breeding

NO.	NAME	TITLE
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1	Arthur Karugu Munyiri	Phenotypic Assessment and Molecular Diversity Evaluation Using Simple Sequence Repeats of Kenyan Sorghum Germplasm under Drought Stress
2	Lorroki Peter	Genetic analysis of resistance in maize streak virus among mid altitude maize inbredlines
3	Maswili K. Rachael	Assessment of phenotypic and genotypic diversity in sorghum land races from Kenya
4	Amondi H. Sylvia	Regeneration of roots and shoots in-vitro and optimization of seed germination conditions in <i>Jatropha Curcas</i>
5	Waweru Felix Muchiri	Phenotyping for field evaluation of beans under drought stress
6	Cheserek Jerono	Developing drought tolerant maize varieties with short anthesis to silking interval for the semi arid lands of Kenya

MSc Agronomy

NO.	NAME	TITLE
1	Nderitu M. Regina	Effect of fertilizers and varieties on groundnut (<i>arachis hypogea</i> L.) growth and yield in two agro-ecological zones of western Kenya
2	Kitonyo M. Onesmus	Performance of Farmer-Preferred Maize Varieties Intercropped with Beans in the Semi-Arid Regions of Kenya

MSc Agricultural Resource Management

NO.	NAME	TITLE
1	Wekesa S. Francis	Socio-Economic analysis of Production and Response of Grain Amaranth (<i>Amaranthus caudatus</i> L.) to Fertilizer application and Intercropping with Maize or Beans in Kisumu West District, Kenya
2	Njuguna M. Richard	The effect of road design and land use on gully erosion: a case study of the rural access roads in Embu District, Kenya

M.Sc. Thesis Title 2011/2012 in Agricultural and Applied Economics

	NAME	TITLE
1.	Kurgat Samson	An analysis of market integration and price transmission in the Kenyan maize market in relation to the 2006-2010 food price crisis
2.	NIRERE SYLVIE	The assessment of farmers' willingness to pay for the protection of Nyabarongo River system, Rwanda.
3.	MUSAFIRI Emmanuel	Impact of One Cow One Family (GIRINKA) programme on poor household income in Gisagara District, Rwanda.
4.	SANGWA Sylvie	Assessment of factors influencing non-adoption of biogas technology in rural households of Rwanda.
5.	MUTUKU MUTHEU JUDITH	An economic analysis of climate change adaptation in Makeni County, Kenya.
6.	Samuel onyango omondi	Economic valuation of irrigation water in Ahero
7.	Norbert tuyishime	PRICE TRANSMISSION IN RWANDA RICE MARKET
8.	Samwel Wambura Mwita	'Profit Efficiency of Sweet Potato Farmers in Kuria West District, Kenya
9.	Kelvin Mashisia Shikuku	Assessment of urban vegetables farmers' perception and demand for organic fertilisers: The case of PeePoo fertilisers in Nairobi, Kenya
10.	Mary Nthambi	AN ECONOMIC ASSESSMENT OF HOUSEHOLD SOLID WASTE MANAGEMENT OPTIONS IN KIBERA SLUM, KENYA
11.	Ariane Zingiro	AN ASSESSMENT OF THE IMPACT OF WATER HARVESTING TECHNOLOGIES ON HOUSEHOLDS' FARM INCOME IN RWANDA
12.	Kabanda Nduguye Jean Victor	Analysis of the trade effects of the East African Customs Union on Rwanda's agricultural imports
13.	Owuor Rosebell Achieng	Evaluation of the impact of compliance with food safety standards on poverty status of Smallholder farmers
14.	KASEVA DAMARIS MWIKALI	AN Assessment of the optimal enterprise mix of various agroforestry technologies in Mbooni District, Kenya

15.	MONI ALFRED NGULA	AN Assessment of demand for meat in Kenya
16.	Tabitha Nduku Mutisya/Mutua	An Ex-Ante Assessment of Cereal Banking in Makueni County, Kenya
17.	Kariuki Sarah Wairimu	Impact of the treadle pump technology on the welfare of farmers in Bungoma District, Kenya
18.	Mercy Mutual	An Estimation of Supply Response for Kenya's Sugarcane Production
19.	Wesley Kiptoo Maritim	Economic Analysis of Harvesting Decisions In State-managed Plantation Forests, A Case of Londiani Zone Forest in Kenya
20.	Njuguna James Kamau Paul	Impact of The export ban on raw nut on Macadamia Marketing in Kenya
21.	MBUGUA MERCY W.	Ana analysis of demand for antibiotics in layers production in Kiambu County, Kenya.
22.	Mutinda Rhoda Kakuti	An estimation of optimal micro-livestock mix for sustainable profits in Thika District, Kenya.

M.Sc. Thesis Title 2011/2012 in Agricultural Information & Communication Management

	name	topic
1	HAMISI WILLIAMS	Effectiveness of suggestion boxes as a feedback mechanisms in Agriculture sector parastatals
2	DUNCAN MARIGI	Effectiveness of knowledge networks in famine disaster risk reduction: A case for Kyeni South Division, Embu County
3	JANE NJERU	Knowledge sharing for extension developing and extension database on passion fruit production
4	PATRICK KARIMI	Access to information by women farmers and how it can support decision-making towards household food security in Mwingi Central District
5	EMMANUEL KATALI	The perception of risk information contained in pesticide labels by Agrovet Dealers
6	PAULINE MBURU	Effect of communication on diffusion of innovation in drip irrigation technology. A case study of Limuru District
7	FRANCIS NG'ANG'A	Examine the level to which ICT has been embraced on Dissemination of agricultural information. A case study of Extension Agents in Makueni County.
8	Doreen Odongo	Comparative Assessment of Agricultural Knowledge Management Among Smallholder Horticultural Farmers in Peri-Urban and Rural Settings: A Case Study of Dagoretti and Mbooni West Districts"
9	Lydia Nyambok	Market information system for finger millet production in Teso South District

2011 Masters Graduands

1	Okoth Linus Origa	Effects of supplementary irrigation on growth and yield of onions (<i>Allium cepa</i>) in semi-arid Eastern Kenya
2	Magero Chris Onyango	Application of System Analysis to Livestock Production in Ranches".

MSc. In Food Science Nutrition and Technology

1	Karen L. Aluvaala	<i>Impact of a nutrition feeding program on the nutrition status of persons living with HIV/AIDS; Case for ampath at Eldoret, Kenya</i>
2	<i>Kanyuira James Njiru</i>	Household Food Security and Nutritional Status of Children Aged 6-59 Months in Mwea-Tebere, Kenya
3	Ms. Hanna M. Kiarie	<i>Care givers' formal and nutrition literacy and its influence on nutritional status of pre-school children aged 6-36 months in Munyu, Thika District, Central Kenya.</i>
4	Kigutha J. Njoki	<i>Prevalence of overweight and obesity and associated risk factors among urban school going children aged 10-12 years in Nakuru Municipality, Kenya</i>
5	Jedidah W. Kiharason	<i>Potential of sweet potato to increase vitamin A intake in children 25-60 months old in Rumuruti Division of Laikipia District, Kenya</i>
6	Makena Faith	Health and Nutritional Status of School Age Children (6-10 Years) in Coffee Plantations, Thika District in Kenya"
6	Mercy Karimi	<i>Role of Social protection on the nutritional status of the elderly in mirigamieru</i>

	Mwenda	<i>west Division, Imenti North District, Kenya</i>
7	Joyce Wairimu Njoya	<i>Seasonal factors in dietary intakes and nutritional status of women (15-49 years) and children (6-59 months) in Kitui District, Kenya.</i>
8	Sarah Cherere Obara	<i>Feeding practices for children aged 0-24 months and feeding alternatives for those born to HIV positive mothers and their association with nutritional status: A case study of Kisii District Hospital-Kenya</i>
9	Sellina Onyango	Daily intake and quality of drinking water among children aged 10-12 years in Westlands Division, Nairobi, Kenya
10	Edel Mary Orangi	Food consumption patterns of households, the nutritional status of the under fives and their mothers in Suneka Division, Kisii Central District
11	Saina Jelimo	Impact of household heads' alcohol consumption on the nutritional status of children under five years of age in Ol'Lessos Division, Nandi District in Kenya
12	Anne Watetu Thuita	Effect and quality of fermented amaranth-millet-pumpkin porridge on nutritional status of malnourished children aged 7-24 months attending maternal child health clinic in Thika District Hospital
13	Ms. Anne Wangelachi:	Development of a vitamin A-fortified mango nectar for Primary school children in Kenya



<p>EXHIBITIONS WHERE THE COLLEGE PARTICIPATED</p> <ul style="list-style-type: none"> • Kinama, J. M. – Commission of Higher Education (CHE) exhibition representing faculty of agriculture, Kakamega, 15/3/2010 to 20/3/2011 	<p>Cattle</p> <ol style="list-style-type: none"> 1. Doris (Guernsey) won 1st prize in class 7G, 2nd prize in best udder and 2nd prize in championship (Reserve champion) 2. Winnie (Friesian) won 2nd prize in class 7F and 3rd prize in best udder 3. Alice won 3rd prize in class 8A 4. Juliet won 3rd prize in class 3F 5. Mukithi won 2nd prize in class 6F
<p>AWARDS WON BY THE COLLEGE AT NAIROBI TRADE FAIR</p> <p>Poultry</p> <ol style="list-style-type: none"> 1. 1st prize for medium weight commercial layer 2. 3rd prize for three matched commercial layers 	<p>Pigs</p> <ol style="list-style-type: none"> 1. 1st prize for sow and piglets 2. Sow won 1st prize for champion female and 1st prize Supreme champion of the show 3. Breeding gilt won 2nd prize in its category and

<p>3. 1st prize for six matched normal hen eggs, brown</p> <p>4. 1st prize for best six matched hen eggs, any colour</p> <p>5. 1st best exhibit in egg classes</p> <p>6. Pirie perpetual challenge cup for the best exhibit in egg classes</p> <p>7. Kenya poultry development company limited perpetual challenge cup and Bidel cup for the best medium weight commercial layer.</p> <p>8. 3rd prize for 6 matched normal eggs, brown</p>	<p>2nd prize in the championship (reserve champion)</p> <p>4. Baconers won 1st prize</p> <p>5. Stockman won 1st prize in stockman competition</p> <p>6. Block estate perpetual challenge cup for the best pig in the show</p> <p>7. ASH stead perpetual challenge cup for the champion female</p> <p>8. Haig perpetual challenge cup for the best pair of bacon pigs</p> <p>9. Stockman's trophy for best stockman</p>
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OUTREACH AND COMMUNITY SERVICE

1. A community outreach veterinary medical camp was carried out at Kibwezi Dryland Station,
2. Veterinary Field day and outreach trip to Loitoktok
3. Veterinary Field day and outreach trip to Eldoret
4. News brief entitled, "Watch out for fish diseases" published on the Friday September 10, 2010, Daily Nation Newspaper, page 10 under Briefly in Nairobi, P.G. Mbutia:
5. Courses offered in the College of Agriculture and Veterinary Sciences and the admission criteria. Talks given to Secondary School Students visiting the college during the 7th Biennial Scientific conference and exhibition Dr. J.N. Chege:

6. Trained Women on Poultry Disease Recognition, Management and Biosecurity in Central Kenya (held at Wambugu ATC, Nyeri) and Eastern Province (Lysak Park Hotel,) Machakos under Women training and Poultry Health and Welfare/Well-being in Kenya in October 2010, Dr P.G. Mbutia
7. Participated in meeting between the Rabbit Development Stakeholders Forum, Kenya (RDSF (K) and the Kenya National Bureau of Statistics (KNBS) on November 23rd 2010, to discuss the requirements for conducting a national survey to determine the status of the rabbit industry in Kenya. Professor Gathumbi
8. Participated in the training of pig farmers and other stakeholders on *Taenia solium* cysticercosis/taeniosis in Homa bay District, Kenya. The training was carried out from 12th to 14th October 2010 under the auspices of the ASARECA project on "Diagnostic Tools and Control Strategies for *Taenia solium*, Prof. N. Maingi, Dr. S.M. Githigia, Dr. C.J. Nganga, Dr. F.Obonyo, Dr. E. Eshiteria, Mr. E.H. Weda and Mr. R. Otieno
9. Training and Equipping Farmers in Mwatate and Makindu
10. Equipping farmers with capacity in rain water harvesting. A total of 61 water tanks of 3000 L capacity were given out to the farmers with Makindu farmers getting 28 tanks and Mwatate farmers 33 water tanks.
11. Providing farmers with tree seedlings for trees that are adapted to the area (over 1290 seedlings were bought from KEFRI and delivered to the farmers). The tree seedlings were *Melia volkensii*, *Leucaena*, *Moringa olifera* and Neem
12. Training the farmers on grass reseeding and providing farmers with grass seeds for the purpose (Over 40 Kg of assorted grass seeds were bought from farmers in Makindu and supplied to the farmers in Mwatate to enable the farmers establish their own pastures thus diversifying their source of income as they can sell grass seeds or raise livestock. The grass seeds were *Enteropogon macrostachyus*, *Cenchrus ciliaris* and *Eragrostis superb*.
13. Farmers were trained on rain water harvesting techniques. These are techniques that are inexpensive, practical and some farmers were already practicing them, so the project validated the technologies and helped in upscaling and outscaling. Farmers field days were organized to train the farmers.
14. Farmers in Mwatate were supplied with sorghum, pigeon pea and millet seeds provided by ICRISAT for planting
15. Production of Navy bean and Snap beans
16. Farmer awareness on production of navy bean and snap beans. Held 3 field days for farmers in Mwea
17. A total of 60 farmers were trained on production and management of navy and snap beans, and distributed navy bean seeds to farmers.
18. Bean multiplication
Training farmers on production and sustenance of clean bean seed at the farmers level in central province i.e Mwea, Kutus, Kibregwe, Muranga, Thika and Oljorok. Farmers were supplied with bean seeds for planting.
19. Building Capacity in Plant Nematology
20. Training farmers and extension workers on cascading research finding to the end users (October – November 2010).
21. Farmer training: Two farmer training sessions were held in Naivasha and Mwea. Participants were drawn from the small scale vegetable growers and extension staff. The theme of the trainings was diagnosis and management of plant parasitic nematodes. Diagnosis was mainly based on symptoms coupled with soil sampling for laboratory analysis. An integrated approach of managing plant parasitic nematodes was discussed through interactive sessions. The participants appreciated that crop rotation, nematode free planting materials and organic soil amendments can be combined to maintain nematode population below economic threshold levels.
22. *Farm Business Linkage Stakeholder Forum*
Farmer awareness on:
 - Use of fertilizers
 - Sustainable techniques in management of greenhouses
 - Safe use of fungicides and pesticides
 - Post harvest management of Horticultural Crops
23. At Small Holder Horticulture Empowerment And Promotion Unit Project (Shep Up) which was held at Limuru District Agricultural office. The theme of the Forum was "Establishing vital linkages between small holder

horticultural farmer groups and stakeholders for mutual business growth". There were 10 farmer groups from Limuru and Lari districts. Stakeholders involved were:

- University of Nairobi (CAVS)
- Bayer E.A.
- Equity Bank
- Kilimo Agrovet
- Kiambu Unity Finance
- Hand in Hand
- Kenya Power and Lighting Co.
- KEPHIS
- Lari District Vegetable Driers

Continuing Professional development :

24. A One-Day Workshop on Veterinary Forensic Medicine was held on Wednesday 18th May 2011 in the Department of Veterinary Pathology, Microbiology and Parasitology. The participants on the Workshop came from a range of disciplines, predominantly but not entirely members of the veterinary profession, with a good number of students also in attendance. Fourty people were expected but 178 finally registered. The workshop consisted of presentations from speakers from different institutions including Professor John E Cooper from the UK, who is also a Visiting Professor at the department; Mrs Margaret E Cooper, also from the UK, who is a Visiting Lecturer at the Department; Mr Moses Otiende, a scientist with Kenya Wildlife Services (KWS); Mrs Jean Gilchrist from the Kenya Society for the Protection and Care of Animals (KSPCA); Mr Laban Njoroge, Kenya Medical Research Institute; Mr Mwebi Ogeto, NMK), Professors P.K. Gathumbi and P.N. Nyaga and Dr P. G Mbuthia from the department of veterinary Pathology Microbiology and Parasitology and Dr J.M. Mbaria from the department of Public health Pharmacology and Toxicology. In this litigious age, veterinarians, biologists and others concerned with animals need formal teaching in forensic techniques so that evidence is correctly presented and reports are of maximum value to courts of law. Competence in these respects is important in terms of wildlife conservation, animal welfare, professional standards and the judicial process. This forensic workshop has been widely publicized in the *Bulletin of Royal College of Pathologist (2011)156: 256-257 and Companion: The British Small Animal Association (BRASVA) Membership Magazine (2011) December, 25-27*

25. This is America with Dennis Wholey

In September 2010 Prof Kiama Gitahi participated in a round table discussion involving six high profile international guests in a TV program entitled "This is America by Dennis Wholley". The topic of discussion was the United Nation's goals of eradicating poverty, improving maternal and child health, gender equality, and climate change. Other guests included the UN Foundation's Reid Detchon, Vice President for Energy and Climate, the World Health Organization's Flavia Bustreo M.D., Director of the Partnership for Maternal, Newborn & Child Health, United Nations Assistant Secretary-General for Policy Coordination and Inter-Agency Affairs, Thomas Stelzer, Johnson & Johnson's Vice President of Corporate Contributions, Sharon D'Agostino, and the United Nations Development Program's Director of Poverty Reduction Group, Selim Jahan. The one hour round table discussion was later released as two half-hour programs, which played on Public Broadcasting Service (PBS) stations nationwide (in USA) on October 15th and 22nd 2010 This discussion is available on you tube at the following address: http://www.thisisamerica.net/videoarchive_2010-2011.html

26. Citizen Television.

On 24th March 2011 Prof Kiama Gitahi appeared at Power breakfast show (30 min) by Mutegei Njau where he expounded to the members of the public the vision and Mission Wangari Maathai Institute.



TEACHING/RESEARCH FACILITIES ACQUIRED DURING THE YEAR

<ul style="list-style-type: none"> • Vacuum cleaner • 2 LG fridges • Suction Pump Electrical • Autoclave Automatic • Surgical Hand Towels • LG Washing Machine • Digital Weighing Machine • Theatre mounted video camera TV monitor • ILRI: Three (3) new Veterinary Epidemiology text books for use by postgraduates students. The books were donated through Dr. Lain. The books were presented to the chairman by Dr. Muchemi and Dr Florence Mutua • Thirty six (36) bouquet chairs for the seminar room • Ten (10) office chairs were bought and distributed to various staff offices • Two (2) LCD projectors, one which was mounted in the main lecture theatre. 	<ul style="list-style-type: none"> • Three (3) refrigerators for cold storage of samples and special reagents • One (1) ELISA washer and Reader • Three(3) deep freezers • One(1) photocopier • Three (3) desktop computers • Laminar Airflow – 1 • 1 Photocopier and 3 LCDs. • Two top load balances – Soil Chemistry and Research Laboratories *** • One incubator – Soil Microbiology Lab • Establishment of botanical garden with 250 different indigenous trees species at Loresho Primary School • Fifty eight (58) Binocular Microscopes (Leica DM 500) for teaching of histopathology in the Department of Veterinary Pathology, Microbiology and Parasitology
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EXTERNAL EXAMINERS 2010/2011

FACULTY OF VETERINARY MEDICINE

	NAME	ORIGIN
Department of Public Health, Pharmacology and Toxicology		
1.	Dr. Bernard Bett	International Livestock Research Institute
2.	Prof. Moshia	SUA
3.	Mr Peter Njeru	USIU
4.	Prof. Rotich	Moi University
5.	Dr. Peter M. Gatongi	School of Public Health Epidemiology and Nutrition Moi University
6.	Dr. Gideon Mutie Kikvi	Institute of Tropical Medicine and Infectious diseases (ITROMID) JKUAT
Department of Clinical Studies		
7.	Prof Kanuya	SUA, Tanzania
8.	Prof. Mutambo M.M.A.	SUA, Tanzania
9.	Prof. Acon, Johnson	MK, Uganda
10.	Dr. Nyariki Tomas M	KWS, Kenya
11.	Kimani Joseph Kagunda	Government Chemist, Kenya
12.	Dr. Muchiri, Peter	KU, Kenya
13.	Dr. Mugambi John Mutua	KARI, Muguga, Kenya
14.	Dr. Suba Hastings	IPR, Kenya
Department of Veterinary Pathology, Microbiology and Parasitology		
15.	Dr.Ciira Kiiukia	Jomo Kenyatta University of Agriculture and Technology
16.	Dr. Joseph M. Nginyi	Kenya Agricultural Research Institute
17.	Dr. Rubaire Akiiki	Makerere University
18.	Dr. Joseph Erume	Makerere University
19.	Prof.George Mwamengele	Sokoine University of Agriculture
Department of Veterinary Anatomy and Physiology		
20.	Prof. Gabriel C.K. Mbassa	Sokoine University, Tanzania
21.	Dr. Muchai S. Muchane	National Museums of Kenya
22.	Dr. Samuel O. Okello	Makerere University, Tanzania
Department of Animal Production		
23.	Dr. B.O. Bebe	Egerton University, Kenya
24.	Dr. Isaac Kosgey	Egerton University, Kenya
25.	Prof. George W. O. Oliech	Moi University, Kenya

FACULTY OF AGRICULTURE

	NAME	ORIGIN
Department of Land Resource Management and Technology		
1	Dr. Elias K. Maranga	Egerton University
2	Prof. C. O. Otieno	Moi University
Department of Plant Science and Crop Protection		
3	Dr. Chrispine O. Omondi	CRF, Kenya
4	Dr. Ali S. Islam	Egerton University, Kenya
5	Dr. Joseph N. Aguyoh	Egerton University, Kenya
6	Prof. Ezekiel Kiprop	Moi University, Kenya
7	Prof. Jones M. Mueke	Kenyatta University, Kenya
Department of Food Science Nutrition and Technology		
8	Prof. Charles K. Njoroge	Multimedia University College
9	Prof Judith Kimiywe	Kenyatta University
	Dr Elizabeth Kuria	Kenyatta University

Department of Agricultural Economics

10	Prof. Bernard Bashasha		Makerere University
11	Dr. Job Kibiwot Lagat	Agricultural Economics	Egerton University

VISITORS TO THE COLLEGE

PRINCIPAL'S OFFICE, COLLEGE OF AGRICULTURE AND VETERINARY SCIENCE

NAME	FROM WHERE	DATE
Prof. G. P. Kaaya	University of Namibia	15 th July 2010
Dr. Milton Maseke	Ag. Deputy CVO DVS – Namibia	15 th July, 2010
Prof. Irvin Mpofu	University of Namibia Animal Science Dept P Bag 13301 WDH	15 th July, 2010
Dr. Anna Marais	Veterinary Council of Namibia	15 th July, 2010
Dr. Brian D'Silva	USAI and office of special envoy Dept of State, Washington DC	19 th July, 2010
Dr. Jacques Lancon	CIRAD – ICRAF Campus Nairobi	23 rd July 2010
Stefanie Freare	Management systems International Sudan	13 th August, 2010
Dr. Louise Badiave	Bridgewater Sate University	17 th August, 2010
Sandra Fairman Silera	Management systems International Sudan	17 th August, 2010
Dana Hocg	Colorado State University	24 th August, 2010
Kavoi M. M.	JKUAT	24 th August, 2010
Theo Diuaha	Virginia Tech.	28 th August, 2010
Hon. Jimmy	Ministry of Cooperative	27 th August, 2010
Hon. Nyalak James T		25 th August, 2010
Prof. Aggrey A. Major	VC Dr. John Garag University	25 th August, 2010
Ho. Jerome Surur	Minister AGRIC & Animal Resource	25 th August, 2010
Danlia Jackson-Obrien	Delaware State University	31 st August, 2010
Gwnomal Ozbay	Delaware State University 1200	31 st August, 2010
Joe Cortes	Iowa State University	27 th September, 2010
Yuhyuan Shyy	Iowa State University	27 th September, 2010
James Okeno	Iowa state University	27 th September, 2010
Hon. Dr. Kuti, M.A.	EGH M.P.	8 th September, 2010
Dr. Peter Maina Ithodeka	Director of Veterinary Services	8 th September, 2010
Prof. Henry W. Mutoro	Principal. CEES	10 th September, 2010
Dr. Jipper Rees	ARC Iowa Africa	19 th October, 2010
Dr. Margret	Mpala Research Centre & Conservary	25 October, 2010
Dr. Benjamin Tupen	Smithsonian Tropical Research Institute	25 th October 2010
Lucy Ngatia	University of Florida	25 th October 2010
Stuart Davies	Smithsonian Institution Harvard University	25 th October 2010
Prof. G. A. Magoha	Vice Chancellor - University of Nairobi	27 th October 2010
Prof. P. M. F Mbithi	Deputy Vice Chancellor (A&F) - University of Nairobi	27 th October 2010
Eustace Muriuki	MEA Limited	4 th November 2010
Susan Omimo	MEA Limited	4 th November 2010
Hon. Joel Onyancha	Matt British Council	4 th November 2010
D. Ndegwa	MEA Limited	4 th November 2010
Hay Njoroje	Homeboys Radio	
Salome Alex	British Council	4 th November 2010
Sandra Belyon	Corporate Talk	4 th November 2010
Prof. P. M. Mbithi	Deputy Vice-Chancellor 90A&F)	11 th November 2010
Prof. G. P. Kaaya	University of Namibia	15 th July 2010
Dr. Milton Maseke	Ag. Deputy CVO DVS – Namibia	15 th July, 2010
Prof. Irvin Mpofu	University of Namibia Animal Science Dept P Bag 13301 WDH	15 th July, 2010
Dr. Anna Marais	Veterinary Council of Namibia	15 th July, 2010

Dr. Brian D'Silva	USAID and office of special envoy Dept of State, Washington DC	19 th July, 2010
Dr. Jacques Lancon	CIRAD – ICRAF Campus Nairobi	23 rd July 2010
Stefanie Freare	Management systems International Sudan	13 th August, 2010
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Stuart Davies	Smithsonian Institution Harvard University	25 th October 2010
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D. Ndegwa	MEA Limited	4 th November 2010
Hay Njoroge	Homeboys Radio	
Salome Alex	British Council	4 th November 2010
Sandra Belyon	Corporate Talk	4 th November 2010
Prof. P. M. Mbithi	Deputy Vice-Chancellor 90A&F)	11 th November 2010
Dr. R. Chrislain	CIP	17 th January 2011
Hannibal Muhtar	AGRICON International – GCP	22 nd February, 2011
Mary Kinyajui	District Youth Officer Westlands	3 rd February, 2011
Michael J. Schultheis	Vice-Chancellor Catholic University of Sudan	4 th February, 2011
Maria Cheronno	Deputy Director Youth Training, Ministry of Youth Affairs	22 nd March, 2011
Chege Kamau	University of East African Community	22 nd March, 2011
Prof. Adipala	RUFORUM Secretariat	6 th April, 2011
Patrick G. Thimba	CEO Africa Bio Products Ltd	10 th April, 2011
Isabella A. Masinde	TA-NRMP - Ministry of Environment and Minerals	27 th April, 2011
Kimani J. N.	NRMP, Ministry of Environment and Mineral Resources	27 th April, 2011
Bente Tcpcsoe-Jensen	Bente Consulting (Danida) Denmark	9 th May, 2011
Jesper Fuglsang	The Knowledge Centre for Agriculture	11 th May, 2011
Lars B. Kjaer	Agrotech Denmark	11 th May, 2011
Prof. Jacob Kaimenyi	Deputy Vice-Chancellor (AA)	16 th May, 2011
Prof. Hannn Korhoben	MTT Finland	16 th May, 2011
Lloyd D. Lepage	CGIAR Consortium	19 th May, 2011
Ruth Kwalanda	CIAR Africa	31 st May, 2011

James Okeno	Iowa State University	4 th June, 2011
YUH-Yuan Shyy	Iowa State University	4 th June, 2011
Dr. WrikeDuo Herbeck	University of Gottingen Germany	29 th June, 2011
Phillip John	Baillanguet France	23 rd June, 2011
Joche Meens	University Veterinary Medicine, Hounnover, Germany	29 th June 2011

FACULTY OF VETERINARY MEDICINE

Dean's Office

NAME	FROM WHERE	DATE
Lorna Bell and Laura Cole	Cambridge University Veterinary School	12/07/2010
Margaret Cooper	Wildlife Health Services, UK	12/07/2010
John E. Boorer	Cambridge University Veterinary School	12/07/2010
Prof. G. P. Kaaya	Dept. of Animal Science, University of Namibia	15/7/2010
Dr. Anna Marais	Veterinary Council, Namibia	15/7/2010
Prof. Irvin Mpofu	University of Namibia, Animal Science,	15/7/2010
Dr. Milton Maoocke	Directorate of Vet. Services	15/7/2010
Prof. J.N. Maina	University of Johannesburg, South Africa	22/07/2010
Dr. I. M. Mbithi	MOLD, Kabete	6/8/2010
Dr. S. T. Mwangi	MOLD, Kabete	6/8/2010
Dr. G. Gachacha	AHITI NDOMBA	6/8/2010
Dr. B. M. Kinyua	AHITI NDOMBA	6/8/2010
Dr. E. T. Mwangi	AHITI NDOMBA	6/8/2010
Mrs. S. N. Muriithi	AHITI NDOMBA	6/8/2010
Prof. David Modry	Dept. of Parasitology, Univ. of Vet. & Pharm. Science	18/8/2010
Victor Mabrouk	Ministry of Cooperatives and Rural Deve. Gross, Juba	25/8/2010
John Kutwa	Land O. Lakes, South Sudan	25/8/2010
Soledad Pishbaum	USAID- Sudan	25/8/2010
Dr. Wai Majier	EATAC, South Sudan	25/8/2010
Anthony Badha	Joint Donor Team, S.Sudan, Juba	25/8/2010
Prof. S. J. Biga	Main Agriculture Forestry	25/8/2010
Peter D.T.Kudhekia	Ministry of Hospitalization Affairs and Disaster Mgt -Juba	25/8/2010
Redemto Tombe	Farm, Sudan	25/8/2010
Hon. Nyalock James	Farm, Sudan	25/8/2010
Hon Jerome Surur	Torit, Sudan	25/8/2010
Paul Paint	Juba South	26/8/2010
Aggrey A Majok	J. G. University	27/8/2010
Makua Mahual Kwag	Ministry of Agriculture	27/8/2010
Dahlia O'Brien	Delaware State University	01/09/2010
Gulnihal Ozbay	Delaware State University	01/09/2010
Dr. Immaculate Nakalembe	Makerere University, Kampala	08/09/2010
Dr. Jesca L. Nakavuma	Makerere University, Kampala	08/09/2010
Dr. Lagu Charles	Umutara Polytechnic	08/09/2010
Hon.Dr. Kuti, M.A. EGH MP	Minister - Livestock Development	8/9/2010
Dr. M. Ithondeka	Director of Vet. Services	8/9/2010
Dr. Robert A. Max	Faculty of Vet Med., Morogoro, TZ	9/9/2010
Asst. Prof. Gebrehiston Tadesse	Dean, College of Vet. Med, Makelle, Ethiopia	9/9/2010
Prof. Henry W. Mutoro	Principal, CEES	10/09/2010
Webuye, H.O.D.	Returning Officer, SONU Elections	17/9/2010
Wanyama M. O.	Assistant Recruitment Officer	17/9/2010

Kihoro Magu	Snr Asst. Registrar, DVC office	21/9/2010
Prof. Samuel B. Mukasa	UoN	23/9/2010
Dr. Mbaabu Mathiu	UoN	23/9/2010
Dr. Stevens Kisaka	FVM, Makerere University	23/9/2010
Dr. Innocent Rwego	USAID RESPOND, UGANDA	23/9/2010
Allan Hoxha	USAID RESPOND, UGANDA	23/9/2010
Dr. Geoffrey Kabagambe R.	Health Alliance	23/9/2010
Francis Juma	Physics Dept., UoN	29/9/2010
Damaris M. Kavoi	Finance Dept., UoN	1/10/2010
Dr. R. Molitor	South Bay Vet Hospital, Olympiwiwa	5/10/2010
Dr. Michelle Shoemaker	South Bay Vet Hospital, Olympiwiwa	5/10/2010
Dr. R. L. Mampank	DVS, Limpopo, S. Africa	12/10/2010
Mburu Masala Gliford	DVS, Limpopo, S. Africa	12/10/2010
Muthabi Munangiwa Bridget	DVS, Limpopo, S. Africa	12/10/2010
Kganyago John Khomotso	DVS, Limpopo, S. Africa	12/10/2010
Sigeda Mashudu	DVS, Limpopo, S. Africa	12/10/2010
Nongs Lorraine	DVS, Limpopo, S. Africa	12/10/2010
Khodani Mashila	DVS, Limpopo, S. Africa	12/10/2010
Twala Hosea M.	DVS, Limpopo, S. Africa	12/10/2010
Makgoba Suzan M.	Deputy Manager, Bursary Adm, DVS, Limpopo, S. Africa	12/10/2010
Dr. Kinyua B.M.	AHITI NDOMBA, Kerugoya	18/10/2010
Dimpho Ludo Mmoloki	Botswana High Commission	26/10/2010
Prof. Stanley Makunza	Dean, Unutara Polytechnic	28/10/2010
Dr. John N. Mironga	Egergon Univeristy	28/10/2010
Prof. Philip Nyeko	Faculty of Forestry & Natura Consultation, Makeere Univ.	28/10/2010
Dr. Nelson Inyanabe	Faculty of Forestry & Natura Consultation, Makeere Univ.	28/10/2010
Prof. James B. Kiungi	Kenyatta University, Dept. of Environmental Sciences	28/10/2010
Dr. Wilson Kasolo	Nyabyeya Forestry College, Uganda	28/10/2010
Dr. Yaye A. D.	ANAFE, Gigi	28/10/2010
Dr. Ken Mazengera and Mrs. Masengera	23 rd Havenga, South Africa	5/1/2011
Leonard O. Asha	Empowerment Service Technology Ltd.	18/01/2011
Prof. Goge Aning	School of Vet Medicine, University of Ghana.	19/1/2011
Philip Azunda	Director, Physics Dept. & Municipal Services, University of Ghana.	19/1/2011
Dr. I. M. Mbithi	Kabete Vetlabs, Nairobi	24/1/2011
Dr. S. T. Mwangi	Kabete Vetlabs, Nairobi	24/1/2011
Mrs. Muriithi S. N.	AHITI-NDOMBA	24/1/2011
Dr. J. K. Gathumbi	AHITI-NDOMBA	24/1/2011
Dr. Omega J. A.	Chuka University College	31/1/2011
Rose Opiyo	School of Public Health	21/2/2011
Elizabeth Dobson	ILRI	24/2/2011
Dr. Herbert Scheincher	ILRI	14/3/2011
Maria Cheronno	Deputy Director, Youth Training Ministry of Youth Affairs	22/3/2011
Chege Kamau	Ministry of East African Community	22/3/2011
Muthoni Trust	Kenangop Publications	22/3/2011
Rebecca Kavuike		8/4/2011
Andrew Trawfond	Donkey Sanctuary, UK	11/4/2011
Getachew Mulugeta	Donkey Sanctuary, Ethiopia	11/4/2011
Dr. C.S. Onyango	KSPCA	11/4/2011
Dr. Caleb O. Ounge	SEUCO	18/4/2011
Prof. Dedan Mckewer	RVC, UK	18/4/2011

Dr. Thurania Uckeever	RVC, Uk	18/4/2011
Felista Nyukoe	KEBS	04/05/2011
Dr. Peter Okalet	MAP International	25/05/2011
Prof. S. O. Keya	MAP International	2/06/2011
Emmanuel Okalet	MAP International	2/06/2011
Dr. Peter Okalet	MAP International	2/06/2011
Izware N.Y.T.	MAP International	8/06/2011
Moeng M.W.	MAP International	8/06/2011
Mashego S.E.	Dept. of Agriculture, Becard Street, POKOTWAKE	8/6/2011
N.L. Kanuya	Morogoro, Tanzania	13/06/2011
J. Erume	Makerere University	13/06/2011
Prof. Johnson Acon	School of Vet Medicine, Makerere University	13/06/2011
Prof. Rubiane Akiiki	School of Vet Medicine, Makerere University	13/06/2011
G. L. Mwamengele	Dept of Vet. Pathology, Sokoine University.	13/06/2011
M.M.A. Mtambo	Dept. of Vet Medicine & Public Health, Sokoine University	13/06/2011
Dr. Wriker Dusterbell	Division of Microbiology & Animal Hygiene, University of Vet Medicine, Hanover Germany	29/06/2011
Dr. Jochen Meens	Institute of Microbiology, University of Vet Medicine, Hanover, Germany	29/06/2011
Dr. Philipe Totte	Campus Baillognet, FRANCE	29/06/2011

Department of Public Health, Pharmacology & Toxicology

Prof. George Aning	University of Ghana	19/1/11
Dr. Stevens Kisaka	Makerere University	23/9/11
Prof. G.P. Karaya	University of Namibia	15/7/10
Phillip Azundow	University of Ghana	19/1/11

Department of Clinical Studies

Jennifer Price	Camesie Vet. Hospital,	19/07/10
Dr. Innocent Rwego	Makerere University	23/09/10
Dr. Stevens Kisaka	Makerere University	23/09/10
Dr. Michelle S.	South Bay Veterinary Hospital Olympia, USA	05/10/10
Dr. Ron Moliter	South Bay Veterinary Hospital Olympia, USA	05/10/10
Dr. Ken Mazengera And wife	South Africa	05/01/11
Prof. Abdullah Naji Said	Malindi – Mombasa	11/01/11
Prof. George Auling	University of Ghana	11/01/11
Phillip Azundow	University of Ghana	11/01/11
Hein Runhaar	Netherlands	30/01/11
Philipe Toher	France	13/06/11
Jochen Neens	University Vet. Medicine, Hanover, Germany	29/06/11

Key visitors to the Department of Plant Science

NAME	FROM WHERE	DATE
Dr. Sandra Faiman Silva	Bridgewater State University	17/8/2010
Rose Minnock	Bridgewater State University	17/8/2010
Dr. Loise Baliane	Bridgewater State University	17/8/2010
EdMinnock	Bridgewater State University	17/8/2010
John Pan Pagur	Ministry of Commerce and Industry	25/8/2010
Raul Makuel	ABS	25/8/2010
Dr. Loo G. Leju	MAF/TOSS – Juba	25/8/2010
David F. Tye	Trees for the Future – Moshi	25/8/2010

Jasper Rees	Agricultural Research – South Africa	25/8/2010
Joe Cortes	Iowa State University – USA	27/9/2010
Yuh Y. Shyy	Iowa State University – USA	27/9/2010
James Okeno	Iowa State University – USA	27/9/2010
Daniel Mwangi	Embu Agric. Staff Training College	6/10/2010
Prof. Philip Myeko	Makerere University – Uganda	28/10/2010
Dr. Nelson Tnyabaare	Makerere University – Uganda	28/10/2010
Dr. Ali Musa-A-Eissa	University of Kordofan	28/10/2010
Dr. John M. Mironga	Egerton University	28/10/2010
Dr. G. Gebresamuel Abrahm	Mekelle University – Ethiopia	28/10/2010
Prof. James Kungu	Kenyatta University	28/10/2010
Prof. Jean Ndimubandi	University of Burundi –Burundi	28/10/2010
Prof. Stanley Makuze	Umutare Polytech – Nyagatare, Rwanda	28/10/2010
Dr. Nyinawamwiza Sactitia	National University of Rwanda	28/10/2010
Dr. Ngabitsine	National University of Rwanda	28/10/2010
Damaris Odeny	ARC	29/10/2010
Dr. Hanniba Muhtar	GCP – Agricon – Ontaro – Canada	14/1/2011
Dr. Naalamle Amissah	University of Ghana Legon	19/1/2011
Clet Wanderi Mashwa	ASARECA – Uganda	8/03/2011

Department of Agricultural Economics

Name of the Visitor	Institute	Date of Visit
Dr. B. K. Mutai	DEPT AGE/AGBUS EGERTON UNIVERSITY	7/11/11
DR. P. M. NYAGUESO	DEPT. OF ECON & AGRIC RES. MGT, MOI UNIVERSITY, ELD	7/11/11
DR. WILSON WASIKE	African Economic Research Consortium (AERC)	7/11/11
JOYCE ISIAHO	African Economic Research Consortium (AERC)	7/11/11
Nick Vink	President African Association of Agricultural Economics	17/11/11
Prof. Manfred Zeller	Consultant DriVLIC, Agricultural Economist from Hohenheim, Stuttgart, Germany.	25-28 th Sept

Department of Land Resource Management and Technology

Name of the Visitor	Institute	Date of Visit
Dr. Margaret Kinnaird	Mpala Research Centre	
Tim Chancellor	Natural Resources Institute, University of Greenwich	
Dr. Eamonn Brehacy	Kimmage Development Studies Centre, Ireland	
Bill Overholt	University of Florida, USA	
Prof. Geoffrey Gooch	Linkoping University, Sweden	

WANGARI MAATHAI INSTITUTE FOR PEACE AND ENVIRONMENTAL STUDIES

NAME	Department and Organization	Date
Oystein Aasaaren	Norwegian Forestry Group	17 th – 18 th Feb. 2011
Knut J. Huse	Norwegian Forestry Group	17 th – 18 th Feb. 2011
Ulf Lindgreen	The Norwegian Forestry Association	17 th – 18 th Feb. 2011
Ola Gram Daehlen	Norwegian Forestry Society	17 th – 18 th Feb. 2011
Preben Kaarsholm	Roskilde University, Denmark	29 th November 2010
Bodil Folke Frederiksen	Roskilde University, Denmark	29 th November 2010
Arne Wangel	DTU Management Engineering	29 th November 2010
Anne Marie Jeppesen	University of Copenhagen	29 th November 2010

Joshua Busby	The University of Texas at Austin	15 th December 2010
Todd G. Smith	The University of Texas at Austin	15 th December 2010
Daniel I Rubenstein	Princeton University	5 th November 2010
Sophia Roberts	Montana State University	2 nd August 2010
Jutta Bakonyi	German Development Service	22 nd October 2010
Jannet Jerop	German Development Service	22 nd October 2010
Gerald Saucier	University of Oregon	10 th December 2010
Ernest Bighaus	Lost Orphans International	10 th December 2010
Thomas Kaltenbacher	University of Salzburg, Austria	22 nd February 2011
Birgit Breniger	University of Salzburg, Austria	22 nd February 2011
Tony Devise	Global Peace Festival Foundation	17 th February 2011
Vincent Rapando	Global Peace Festival foundation	17 th February 2011
Japheth Ouda	Global Peace Festival Foundation	17 th February 2011
Mr. Ernie Bighaus	Lost Opharns International	10 th January 2011

COLLEGE COMMITTEES

<p>1. College Academic Board (CAB) The Principal - Chairman Deans of Faculties All Chairmen of Departments All Professors and Associate Professors One Faculty representative College Librarian One Postgraduate students One student representative from each faculty College Registrar – Secretary</p>	<p>2. College Management Board (CMB) The Principal - Chairman Deans of faculties The College Registrar - Secretary The College Bursar Chairmen of departments - in attendance Internal Auditor - in attendance</p>
<p>3. College Procurement Committee Principal/Chairman Dean, Faculty of Agriculture Dean, Faculty of Veterinary Medicine College Registrar/ Secretary College Bursar College Internal Auditor College Procurement Officer</p>	<p>4. College ISO Committee Prof. J H. Ndiritu - Chairman Dr. S. G. Kiama Prof. J. Wabacha Dr. F. Olubayo Mr. K. K. Mbali</p>
<p>5. College Health & Safety Committee Dr. S. Kiama -Chairman Prof. N. Munene Prof. J. Nderitu Prof. C. Gachuiru Prof. E.Maingi Dr. K. Ngugi Prof. F. Olubayo K.K.Mbali Mr. J.A.Okora</p>	<p>6. College Library Committee Dr. S. G. Kiama - Chairman Mr K. K. Mbali Mrs Grace Irura Dr A. M. Mwangi Dr V. Narla Dr. A.G. Thaiya Dr. A.N. Makanya</p>
<p>7. College Disposal Committee Dr. F.M. Olubayo Chairman Mr K. K. Mbali Mr. G. M. Ndiritu Mr. K. Gitau Mr. James Munyithya</p>	<p>8. College Annual Report Committee Dr. S. G.Kiama - Chairman Prof. M. W. Okoth Prof C. M. Mulei Prof. J. Ombui Prof. F.M. Olubayo Mr K. K. Mbali Miss Judy Wambugu</p>
<p>9. College Exhibition Committee</p>	<p>11. College Show Committee</p>

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8	Mr. Daniel Karue	Assistant Internal Auditor
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47	Mr. Antony Karani Murigu	Watchman
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53	Mr. Julius Amdany Kiplagat	Watchman

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Roselyn N. Njagi	Certificate	Secretary
Mr. David J. Otieno	BSc., MSc	Tutorial Fellow
Frank Esevwe	K.C.E Div. 3	Driver
Dorothy Nyambu	Certificat	Receptionist
Herman Mwazame	Certificate	Subordinate staff
Joshua Muraya	Certificate	Subordinate staff
Tobias Ajigo	Certificate	Subordinate staff

Department of Food Science, Nutrition and Technology

NAME	QUALIFICATION	DESIGNATION
Prof. Jasper K. Imungi	B.Sc., M.Sc., Ph.D.	Professor
Prof. Samuel K. Mbugua	B.Sc., M.Sc., Ph.D.	Professor
Prof. Michael W. Okoth	B.Sc., M.Sc., Ph.D.,	Associate Professor/Chairman
Prof. Karuri, E.G	B.Sc., M.Sc., Ph.D.,	Associate Professor
Prof. Wambui Kogi-Makau	B.Sc., M.Sc., Ph.D.,	Associate Professor
Dr. Abiud M. Omwega	B.Sc., M.Sc., Ph.D.,	Senior Lecturer/Unpaid Leave
Dr. John Wangoh	B.Sc., M.Sc., Ph.D.,	Senior Lecturer
Dr. Alice M. Mwangi	B.Sc., M.Sc., Ph.D.,	Lecturer
Dr. Sehmi, J.K.	B.Sc., M.Sc., Ph.D.,	Lecturer (Retired)
Mr. Peter O. Lamuka	B.Sc., M.Sc.,	Lecturer
Ms. Sophia Ngala	B.Sc., M.Sc.,	Assistant Lecturer
Mr. George O. Abong'	B.Sc., M.Sc.,	Tutorial Fellow
Mrs. Angela A. Andago	B.Sc., M.Sc.,	Tutorial Fellow
Mr. Dasel W.M. Kaindi	B.Sc., M.Sc.,	Graduate Assistant
Mr. Isaiah W. Muthami	HND	Chief Technologist (Retire in May,2011)
Ms. Jane N. Njenga	HND, B.Sc., M.Sc.	Assistant Lecturer
Mr. J. M'Thika.	HND	Senior Technologist DEF (Ag. Chief Technologist)
Ms. Rosemary Kamau	HND	Senior Technologist DEF
Mr. J.M. Mugo	Certificate	Technologist ABC
Mr. R.C.M. Maina	Diploma	Technologist ABC (Retired)
Ms. Jacinta Muchiri	HND	Senior Technologist ABC
Mr. F. Mugo	HND	Senior Technologist ABC
Mr. John Ngige.	Diploma	Technologist ABC (Retire in December)
Ms. Edith R.K. Ndaru	Secretarial Certificates & Dip HRM	Secretary C (Chairman's Office)
Ms. Florence Sagala	Secretarial Diploma	Secretary (ANP Section)

Field Station

Dr. Kiarie Njoroge		Farm Manager
Michael N.Thuo	Certificate in General Agriculture, Diploma in Crop Protection	Technologist
Pauline M.Mutua	B.Sc. Horticulture	Technologist
Solomon M.Kamau	Stores & Purchasing	Store Keeper
Washington M. Kirika	B.Sc. Animal Production	Technologist
Eunice W. Gacheru	Certificate in Secretarial Studies & Computer Applications	Secretary
Benard M. Njagi	MVT, GTTI, Driving Licence Class ABCE, MVM Advanced Certificate	Metal W/Shop Assistant
Alfred M.Mulei	Driving Licence Class ABC	Driver
Ruth N.Karimi	ACNC Certificate	Sales/Record Clerk
Joseph K.Maina	Driving Licence Class D	Driver
Emmanuel K.Mutua	MVM/MVE Grade III Driving License BCE	Workshop Assistant
John N.Kimani	Coffee Management/Nursery Management Certificate	Headman
Joseph M. Kariuki	-	Labourer
Daniel M.Nzomo	CPE Certificate	Pump Operator
Timothy K. Homa	-	Subordinate Staff
George O.Odada	Certificate in Principals of Horticulture	Propagator
Wilfred G.Nyakundi	Certificate in Computer Applications	Animal Attendant
Raphael K.Nyambu	Certificate in Animal Husbandry & Veterinary Pharmacy	Propagator
Peter M.Njoroge	MVM Grade II/Driving Licence class BCED	Driver/Mechanic
Evans M. Agaye	KCPE Certificate	Subordinate staff

Japheth O. Nyamoko	Diploma in Human Resources Management	Sales/Record Clerk
Huran W. Lasava	-	Security Guard
Evan M. Maina	-	Security Guard
Raphael M. Makau	-	Security Guard
Earnest Mulama	Guard Training Course	Security Guard

STAFF IN THE FACULTY OF VETERINARY MEDICINE
Department of Veterinary Anatomy and Physiology

Prof. Dominic Oduor-Okelo	BVSc, MSc, PhD	Professor
Prof. Geoffrey M.O. Maloiy	BSc, PhD, DSc	Professor
Prof. George E.O. Owiti	BSc, PhD	Associate Professor/leave of absence
Prof. Charles N. Warui	BSc, PhD	Associate Professor
Prof. Seth M. Kisia	BVM, PhD	Associate Professor
Prof. Stephen G. Kiama	BVM, MSc, PhD	Associate Professor/Ag Director Wangari Maathai Institute
Dr. Jacob O. Miaron	MSc, PhD, DVM	Senior Lecturer/leave of absence
Dr. Deter K. Mwangi	BVM, DVM, PhD	Senior Lecturer
Dr. Daniel W. Onyango	BVM, MSc, PhD	Senior Lecturer
Dr. Andrew N. Makanya	BVM, MSc, PhD	Senior Lecturer
Dr. Peter M. Mathiu	BVM, PhD	Senior Lecturer
Dr. Jemimah A. Oduma	BSc, MSc, PhD	Senior Lecturer
Dr. Charles N. Kimwele	BVM, MSc, PhD	Senior Lecturer
Dr. Philemon K. Towett	BVM, MSc, PhD	Lecturer
Dr. John N. Mburu	BVM, MSc,	Lecturer
Dr. Purity W. Macheru	BVM, MSc	Lecturer
Dr. Rodi O. Ojoo	BVM, MSc, PhD	Lecturer
Dr. Allan N. Njogu	BVM, MSc	Assistant Lecturer
Dr. Mosiany L. Kisipan	BVM	Tutorial Fellow
Dr. Boniface M. Kavoi	BVM	Tutorial Fellow
Dr. Albert W. Nyongesa	BVM, MSc	Tutorial Fellow
Mr. George K. Kariuki	HND	Chief Technologist
Mr. Peter K. Kiguru	HND	Senior Technologist
Mr. Samuel W. Kamonde	HND	Senior Technologist
Mr. Jackson Mugweru	HND	Chief Technologist
Mr. Charles G. Mukhwaya	HND, BVM,	Senior Technologist
Ms. Irene N. Osoro	HND	Senior Technologist
Ms. Margaret M. Kagina	HND	Technologist
Mr. Peter I. Maguta	HND	Technologist
Mr. Robert M.K. Tsuma	HND	Technologist
Mr. Amos T. Mwasela	Diploma	Technologist
Mr. Francis V. Okumu	HND	Technologist
John Kagunga Kiai	K C S E	Trainee Technologist
Milka Muthoni Wanjohi	K C S E	Trainee Technologist
Ms. Gladwel Gikonyo	Secretarial Certificate	Secretary

Department of Animal Production

Prof M.S. Badamana	BVM, MSc., PhD	Chairman/Associate Professor
Prof B.N. Mitaru	B.Sc., MSc., PhD	Professor
Prof M.M. Wanyoike	B.Sc., MSc, PhD	Associate Professor
Prof C.K. Gachuri	BVM, MSc., PhD	Associate Professor
Prof P.N. Mbugua	B.Sc, MSc., PhD	Associate Professor

Dr R.G. Wahome	BVM, MSc, PhD	Senior Lecturer
Dr Okeyo Mwai	B.Sc, MSc., PhD	Senior Lecturer/Leave of absence
Dr J.G. Maina	B.Sc., MSc., PhD	Lecturer
Mr B.O. Inyangala	B.Sc., MSc.	Lecturer
Dr Joel Ochieng'	B.Sc., MSc., PhD	Assistant Lecturer
Dr Owino Jung'a	B.Sc, MSc., PhD	Lecturer
Anne Njuguna	Dip, HND, DBM, MBA	Chief Technologist
Jane Muthoni	SLT, SLT II	Senior Technologist
Sebastian A. Itenya	SLT, B.Sc.	Senior Technologist
John Karanja	Dip. HND	Senior Technologist
John Kanyi	Dip. HND	Senior Technologist
John Kinuthia	Dip. HND	Technologist ABC
Alfred Shikuku	Dip. HND	Technologist ABC
Anne Kimende	Dip. HND	Technologist ABC
Elizabeth Wainaina	Dip.	Computer Technologist ABC
Mary Kwamboka	Dip.	Computer Technologist, ABC
Beth Kiragu	Dip.	Secretary Grade A
Desmond Ambale	JLT	Lab Assistant Grade III
Leonard Mbugua	KCE	Lab Assistant Grade II
Wilson Mwaura	KCSE	Lab Assistant Grade II
Mercy Njiiri	Certificate in General Agriculture	Lab Assistant Grade II

Department of Veterinary Pathology, Microbiology & Parasitology

1. Prof. P.N. Nyaga	BVM, MPVM, PhD BVM,	Professor
2. Prof. W.K. Munyua	MSc., PhD	Professor (on contract)
3. Prof. P.N. Kanyari	BVM, MSc., PhD	Professor
4. Prof. T.A.Ngatia	BVM, MSc., PhD	Associate Professor
5. Prof. B.A. Kimeto	BVM, MSc., PhD	Associate Professor (on contract)
6. Prof. L.C. Bebora	BVM, MSc., PhD	Associate Professor
7. Prof. P.K. Gathumbi	BVM, MSc., PhD	Chairman/ Associate Professor
8. Prof. N. Maingi	BVM, MSc., PhD	Associate Professor
9. Dr. R.M. Waruiru	BVM, MSc., PhD	Senior Lecturer
10. Dr. C.G. Gitao	BVM, MSc., PhD	Senior Lecturer
11. Dr. J.N. Kuria	BVM, MSc., PhD	Senior Lecturer
12. Dr. P.G. Mbuthia	BVM, MSc., PhD	Senior Lecturer
13. Dr. S.M. Githigia	BVM, MSc., PhD	Senior Lecturer
14. Dr. J.N. Chege	BVM, MSc., PhD	Senior Lecturer
15. Dr. J.K. Gathumbi	BVM, MSc., PhD	Lecturer
16. Dr. L.W. Njagi	BVM, MSc., PhD	Lecturer
17. Dr. D.N. Karanja	BVM, MSc., PhD	Lecturer
18. Dr. J.M. Ayuya	BVM, MSc.	Lecturer
19. Dr. M.O. Odongo	BVM, MSc.	Lecturer
20. Dr. D.K. Kagunya	BVM, MSc.	Lecturer
21. Dr. E.S. Kilelu	BVM, MSc.	Lecturer
22. Ezekiel H. Weda	HND	Chief Technologist
1. Julius K. Kibe	HND	Senior Technologist
2. Rose W. Gitari	BSc/HND	Senior Technologist
3. Mary N. Mutune	HND	Senior Technologist
4. Virginia M. Gichohi	HND	Senior Technologist
5. Jackson M. Gachoka	HND	Senior Technologist

6. John Mukiri	HND	Senior Technologist
7. David M. Gucema	HND	Senior Technologist
8. Ann K. Munene	HND	Senior Technologist
9. Charity W. Gathenya	HND	Senior Technologist
10. Rebecca W. Githinji	HND	Senior technologist
11. Zachary W. Munene	JLT	Technologist ABC (post retirement Contract)
12. Edith A Keya	Ordinary Diploma	Junior Technologist IV
13. Ephantus M. Nyaga	HND	Junior Technologist IV
14. George Dimbu	HND	Junior Technologist IV
15. Justus N. Matata	JLT	Technologist ABCI (Retired Dec. 2010)
16. Henry Kinyua	JLT	Technologists ABC (retired Dec 2010)
17. Sarah M. Mukabana	Secretarial	Secretary Grade A
18. Jane W. Gachigua	JLT	Junior Technologist IV
19. Richard O. Otieno	JLT	Junior Technologist IV
20. John M. Kinyuru	JLT	Junior Technologist IV
21. Mary W. Muriakiara	CPE	Junior Technologist III
22. Patrick M. Wahome	KCE	Junior Technologist III
23. Samuel Indeché	KCE.	Junior Technologist III
24. Gordon Otieno	KCSE	Cleaner grade II (Contract)
25. Adiel K. Murathi	KCSE	Driver

Department of Clinical Studies

Prof. Mulei, C.M.	B.V.M. , Ph.D	Professor / Chairman
Prof. Mbithi, P.M.F.	B.V.M., M.Sc., M.VSc, Ph.D.	Professor
Prof. Agumbah, G.J.O.	B.V.M., M.Sc , D.P.V.M , Ph.D.	Professor
Prof. Kiptoon, J.C.	B.V.M., M.Sc., Ph.D	Professor
Prof. Mutiga, E.R.	B.V.M., M.Sc, Ph.D	Professor
Prof. Wabacha, J.K.	B.V.M., M.Sc., Ph.D	Associate Professor/ on leave of absence
Prof Mbugua, Susan W.	B.V.M., M.Sc., Ph.D	Associate Professor
Prof. Kihurani, D.O.	B.V.M., M.Sc., Ph.D,	Associate Professor
Prof. Njenga, M.J.	B.V.M., M.Sc., Ph.D	Associate Professor
Prof. Gitau, G.K.,	B.V.M. , M.Sc., Ph.D,	Associate Professor
Dr. Mande, J.D.,	B.V.M., M.Sc., Ph.D,	Senior Lecturer
Dr. Mogoá, E.G.M.,	B.V.M., M.Sc. , Ph.D,	Senior Lecturer
Dr. Tsuma, V.T.,	B.V.M., FRVCS, Ph.D,	Senior Lecturer
Dr. Munyua, S.J.M.,	B.V.M. , M.Phil., Ph.D,	Senior Lecturer/ on leave of absence
Dr. Varma, V. S.,	B.V.Sc., M.Sc., Ph.D.	Senior Lecturer
Dr. Bwanga, C. O.,	B.V.M., M.VSc, FRCVS	Lecturer
Dr. Gakuya, D.W.,	B.V.M., , M.Sc., Ph.D,	Lecturer
Dr. Kitaa, J.M.A.	B.V.M., M.Sc.	Lecturer
Dr. Mbai, K.	B.V.M., M.Sc.	Lecturer
Dr. M'ikiugu, H.M.,	B.V.M. M.Sc., Ph.D,	Lecturer
Dr. Nguhiu, J.M.	B.V.M., M.Sc., Ph.D.	Lecturer
Dr. Wasike, Nekesa. P.	B.V.M., M.Sc.,	Lecturer
Dr. Thaiya, A.G.,	B.V.M., M.Sc.,Ph.D	Lecturer
Dr. Muthee, J.K.,	B.V.M., MSc.	Lecturer
Dr. Abuom, T. O.,	B.V.M., MSc.	Tutorial Fellow
Dr. Gitonga, P.N.,	B.V.M., Msc.	Tutorial Fellow
Dr. Aleri, J.W.	B.V.M, MSc.	Tutorial Fellow
Dr. Kipyegon A.N.	B.V.M, MSc.	Tutorial Fellow
Dr. Gilber Kirui	B.V.M.	Tutorial Fellow

Dr. Joan Muraya	B.V.M.	Tutorial Fellow
Mr. James M. Gitahi	HND	Chief Technologist
Ms. Caroline M. Huria	DEGREE	Administrative Assistant
Mr. Job M. Nduhiu	HND	Senior Technologist
Mr. Gilbert O. Ogola	HND	Radiographer
Mr. Richard W. Matheka	HND	Rdiographer
Mrs. Jane N. Onsongo	HND	Senior Technologist
Ms. Jane M. Kamau	HND	Senior Technologist
Mr. Paul Gitau	Dip. In Medical Lab.	Dip. In Medical Lab.
Hildah L. Nakweya	Diploma	Technologist ABC
Alice W. Kinyua	Diploma	Technologist ABC
Athumani H. Mwashando	Diploma	Technologist ABC
Mr. Isaac M. Kiragu	Certificate	Storekeeper - B
Ms Ruciah W. Ngila	Certificate – Range Management	Receptionist/Animal Health Technician - B
Ms Mary N. Mukiri	KCE	Receptionist - A
Mr. Jacob O. Tolo	Certificate – Animal Health	Griver Guide/Animal Health Technician - A
Ms. Rachel N. Gitau	Full Secretarial	Assistant Secretary - A
Mr. Kefa O. Agutu	JLT, Certificate - AI	Theatre Assistant - A
Mr. Charles M. Gathuma	JLT	Theatre Assistant - IV
Mr. Robert N. Muthini	Diploma	Theatre Assistant - IV
Ms. Risper M. Makau	Diploma	Junior Technologist - IV
Mr. Nickson S. Ifedha	Diploma	Technical Assistant III
Mr. Peter N. Njenga	JLT, Certificate - AI	Driver - A
Mr. Charles K. Musyoka	KCE	Driver - III
Mr. Daniel M. Muriuki	Certificate - Mechanic	Driver - III
Mr. John M. Murimi	Certificate/ First Aid	Driver - III
Ms. Jane W. Muriithi	Certificate	Animal Attendant - III
Mr. Patrick N. Kimeu	KCSE	Animal Attendant - II
Mr. Gideon M. Karitu	KCE	Animal Attendant - II
Mr. Benson W. Nyongesa	Certificate – Range	Animal Attendant - II
Mr. Peter M. Mugo	Certificate - Range	Animal Attendant - II
Mr. Victor M. Njumba	KCSE, Certificate - AI	Animal Attendant - II
Mr. Robale M. Rajab	Certificate	Technical Assitant - II
Mr. Charles K. Asava	Certificate - AI	Animal Attendant - I
Mr. Samuel N. Karanja	KCSE	Animal Attendant - I
Ms Sarah N. Kubue	KCE	Animal Attendant - II
Mr. John M. Mutua	KCSE	Cleaner II

Department of Public Health, Pharmacology & Toxicology

Prof. Ombui, J.N.	B.V.M M.Sc., Ph.D.	Associate Professor/Chairman
Prof. Njeruh, F.M.	B.V.M, M.Sc, Ph.D.	Associate Professor/Leave of absence
Prof. Gathuma, J.M.,	B.V.Sc, M.Sc, Ph.D.	Professor
Prof. Maitho, T. E	B.V.M, M.Sc, Ph.D.	Professor
Prof. Mitema, S.E.O	B.V.M , M.S., Ph.D.	Professor
Prof. Arimi, S.M.,	B.V.M, M.Sc. , Ph.D	Associate Professor
Prof. Kangethe, E.K.	B.V.M , M.Sc., , Ph.D.	Professor
Prof. Kagiko, M.M	B.V.M, M.Sc, Ph.D.	Associate Professor
Dr. Gathura, P.B.	B.V.M, M.Sc., Ph.D.	Senior Lecturer
Dr. Kanja L.W.	B.Sc., M.Sc., Ph.D.	Senior Lecturer
Dr. Kitala P.M	B.V.M, M.Sc., Ph.D.	Senior Lecturer
Dr. Ogara W.O	B.V.M, M.Sc, Ph.D.	Senior Lecturer

Dr. Mbaria, J.M.	B.V.M, M.Sc., Ph.D.	Senior Lecturer
Dr. Nderu, F.M.K.	B.V.M., , M.P.V.M	Lecturer
Dr. Kahunyo, J.M.	B.V.M., M.Sc.	Lecturer
Dr. Macharia, S.M.	B.V.M., M.Sc.	Lecturer
Dr. Senerwa, D.M.	B.V.M.. M.Sc.,	Lecturer
Dr. Muchemi G.	B.V.M., M.Sc., B.Sc., Ph.D	Lecturer
Dr. Oguna, M.J.,	B.V.M., M.Sc.	Lecturer
Dr. Mapenay, I.M.	B.V.M., M.Sc. Ph.D	Lecturer
Dr. Joshua Onono	B.V.M, M.Sc	Tutorial Fellow
Dr. Joseph Nguta	B.V.M, M.Sc, PhD	Tutorial Fellow
Mr. Nduhiu Gitahi	HND, M.Sc., PM	Chief Technologist
Mrs. Dorcas Nduati	HND	SeniorTechnologist
Mr. Robert Rono	HND	Senior Technologist
Mr. Kenneth Maloba	HND	Senior Technologist
Mrs .Lucy Mwangi	HND	Senior Technologist
Mr. Francis Gitau	Diploma	Technologist
Mr. Kiogora A. Marimba	Diploma	Technologist
Mr. Amos M Kimotho	Diploma	Technologist
Mr. Joseph Gichuki Nderitu	Diploma	Technologist
Mr. Alfred Mainga	Diploma	Technologist
Mr. James K. Macharia	Certificate-Lab Techn.	Technician
Mrs. Leah Mwaniki	Certificate	Technician
Ms. Grace Pacho	Certificate	Technician
Mrs. Mercy Gitungo	Certificate	Technician
Mr. Peter K. Njeru	Certificate	Driver
Jackline M. Nyaribo	Certificate	Subordinate staff
Mrs. Fanice M. Airo		Subordinate staff
Johnson Silas Mwakio	Certificate	Subordinate staff
Mr. Martin Ogutu	Certificate	Subordinate staff
Ms.Caroline N. Maina	Certificate	Secretary

Veterinary Farm

Dr. D.W. Gakuya	B.V.M., M.Sc. Ph.D.	Lecturer/Manager
Linus K. Cheruiyot	B.V.M.	Deputy Farm Manager
Mr. Tobias Juma Ngesa	Dip.Dairy Husbandry. Dip.Poultry Husbandry & Animal Feed, Cert. A.I.	Technologist ABC
Mr.Simon M. Mutuota	Dip. Animal Health & Production, Dip. Business Management, Cert. A.I.	Technologist ABC
Ms.Caroline W.Mwangi	Cert. Animal Health, Cert. A.I.	Technologist ABC
Ms.Alice M. Kivindu	Cert. Secretarial	Asst. Secretary
Mr. Nelson Nyaga Ngariko		Dairyman II
Mr. Kiptanui Arap Koech		Dairyman II
Mr.Joseph. K. Kinyanjui		Fieldman II
Mr. James Gikingo Karimi		Stockman II
Mr. Stephen K. Mungai		Milkman II
Mr.Julius M. Mutiso		Stockman II
Mr. Cyprian A. Mutabari		Calf Rearer II
Mr. Daniel K. Mwalwa		Watchman II
Mr.Leonard W. Nyanjega		Stockman II

Mr. James Ngige Muriithi		Tractor Driver II
Mr. Nickson N. Mwangasu		Milk Distributor II
Mr. Simon A. Nyarieng'a		Watchman II
Mr. Lucas Kuria Ngige		Milkman II
Mr. John G. Ng'ang'a		Borehole Attendant II
Mr. Paul K. Njuguna		Watchman II
Mr. John Karoki Ngugi		Watchman II
Mr. Douglas M. Mwaura	Cert. A.I.	Driver III
Mr. Robert Irungu Mwangi		Driver II
Mr. Julius M. M'Nthaka		Dog Handler/Office Attendant II
Mr. Paul Chingiri Muriithi		Fieldman II
Mr. Solomon N. Kinyanjui		Fieldman II
Mr. Simmingtone M. Mwarigha	Dip. In Accountancy	Milkman II
Mr. Queereenuse Pacho Oluoch	Cert. in Animal Health & Production	Milkman II
Mr. William Koli Atolwa		Watchman II
Mr. Kevin David Otieno		Milkman II
Aggrey L. Kisanya		Poultry Attendant II
John N. Muiruri		Labourer II

STAFF IN STUDENT WELFARE AUTHORITY

NO.	STAFF NAME	DESIGNATION	GRADE	DUTY POINT
1.	Prof. J. W. Kimenju	SMU Manager		
2.	Eric O. Ogutu	Hall Assistant	AB	Mandela Hall
3.	John Waraga	Night Custodian	III	Mandela Hall
4.	Geoffrey Kibe	Night Custodian	III	Mandela Hall
5.	Catherine Kitundu	Day Custodian	III	Mandela Hall
6..	James K. Maina	Night Custodian	III	Mandela Hall
7.	Monica Wangari	Cleaner	II	Mandela Hall
8.	Jane Njibu	Cleaner	II	Mandela Hall
9.	John M. Kamau	Hall Assistant	AB	Wakulima Hall
10.	Janet G. Maingi	Day Custodian	III	Wakulima Hall
11.	Peter Mayaka	Night Custodian	III	Wakulima Hall
12.	John Nyamwa	Night Custodian	II	Wakulima Hall
13.	Mary Ouko	Cleaner	II	Wakulima Hall
14.	Edward Waiharo	Hall Assistant	AB	Tana Hall
15.	Florence Alusa	Day Custodian	III	Tana Hall
16.	Wilson Mwangi	Night Custodian	III	Tana Hall
18.	Mary Kamau	Cleaner	II	Tana Hall
19.	Jack R. K. Omondi	Hall Assistant	AB	Mugabe Hall
20.	Jared O. Ondiek	Day Custodian	IV	Mugabe Hall
21.	Edith W. Thuo	Day Custodian	III	Mugabe Hall
22.	John Kamande	Night Custodian	III	Mugabe Hall
23.	Francis K. Mungai	Night Custodian	III	Mugabe Hall
24.	George Oyugi	Night Custodian	IV	Mugabe Hall
25.	Gladys Mumbi	Cleaner	II	Mugabe Hall
26.	Jane N. Kamau	Cleaner	II	Mugabe Hall
27.	Hannah Ngigi	Cleaner	II	Mugabe Hall
28.	Susan Oloo	Ag. Hall Assistant	IV	Soweto Hall
29.	Dorcas Omwenga	Day Custodian	III	Soweto Hall
30.	David Kiptum	Night Custodian	III	Soweto Hall

31.	Paul K. Njenga	Night Custodian	III	Soweto Hall
32.	Robert Kurgat	Night Custodian	III	Soweto Hall
33.	Rosemary A. Orinda	Halls Officer	EF	SMU Office
34.	Juliana N. Njoroge	Secretary	C/D	SMU Office
35.	Alice C. Too	Office Messenger	III	SMU Office
36.	Kipkemoi A. Ngeno	Clerk	III	SMU Office
37.	Lillian Onsomu	Ag. Accountant	AB	Account Office
38.	Joseph Ngeera	Cashier	III	Tana Kitchen
39.	Lawrence Irungu	Cashier	III	Tana Kitchen
40.	Elizabeth Njoga	Catering Officer Incharge	DEF	Tana Kitchen
41.	Mary N. Njoroge	Asst. Catering Officer	AB	Tana Kitchen
42.	Jecinta Kanyi	Asst. Catering Officer	AB	Tana Kitchen
43.	Patrick Awuor	Asst. Catering Officer	AB	Tana Kitchen
44.	Julius Shikami	Ag. Senior Cook	III	Tana Kitchen
45.	Nafasi Makonge	Cook	III	Tana Kitchen
46.	Alice W. Mathenge	Cook	III	Tana Kitchen
47.	Elizabeth Ondieki	Cook	II	Tana Kitchen
48.	Eric Mugambi	Cook	II	Tana Kitchen
49.	Rose Moraa Kinanga	Ag. Cook	II	Tana Kitchen
50.	Violet Mburu	Ag. Cook	II	Tana Kitchen
51.	Thaddeus Nyangau	Dining Hall Attendant	II	Tana Kitchen
52.	Lameck Motari	Dining Hall Attendant	II	Tana Kitchen
53.	Saul Waswa	Storeman	II	Tana Kitchen

CAVS Student Leadership

The College management supported and facilitated and nurtured students' leadership which was very diverse and included SONU, KUSCO and several professional and faculty based organizations. The college organized student leadership training for the newly elected leaders to clearly expose them to their new roles and provide them with skills to enable better service to the students' community. During the academic year 2010/2011 the newly elected student leaders underwent a training course that was held at Karen, KCB Training Centre. The students at CAVS were actively engaged in academic, social and professional activities.



STUDENTS ORGANIZATIONS		
NAME OF ORGANISATION	NAME OF THE STUDENT	POSITION HELD
Wildlife Students Association	Robert Mwaniki	Chairperson
	Jimmy Musili	Vice – Chairperson
	Martha Chizi	Treasurer
	George Otieno	Secretary General
	Victor Kenga	Organizing Secretary
Biomedical Technology Students Association	Musalimwa Oscar M.	Chairperson
	Muriuki M. John	Vice – Chairperson
	Maina Emma Njoki	Treasurer
	Majani Velma Kivali	Organizing Secretary
	Kamau Everlyn Muthoni	Academic Affairs Secretary
	Omolo Kenneth Odiwuor	Information and Publicity Secretary
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