



UNIVERSITY OF NAIROBI



Annual **Report**

2014 - 2015

OUR VISION

A world-class university committed to scholarly excellence.

OUR MISSION

To provide quality university education and training and to embody the aspirations of the Kenyan people and the global community through the creation, preservation, integration, transmission and utilization of knowledge.

OUR CORE VALUES

- freedom of thought and expression;
- innovativeness and creativity;
- good governance and integrity;
- team spirit and teamwork;
- professionalism;
- quality customer service;
- responsible citizenship;
- national cohesion and inclusiveness.



UNIVERSITY OF NAIROBI

Graduation Statistics 2014

Student Population	79,000
PhD	124
Masters	3,477
Bachelors	8,109
Diplomas	2,063
Post Graduate Diploma	102
Other Awards	18

Annual **Report**

2014 - 2015

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FOREWORD

The 2014 University of Nairobi Annual Report captures the main activities of the academic departments and administrative units in the year. The report gives details of the teaching programmes on offer, admission statistics, graduation statistics, research papers presented at international meetings and conferences, publications, corporate social responsibility functions and the year's financial statement.

In this report, the University accounts for itself within its stated mandate of Teaching and Learning, Research, Consultancy and Community service to its various stakeholders. The report also highlights the infrastructural position of the University, including ICT infrastructure plus details of the staffing levels in various units. The financial situation in the University during the period is also highlighted.

We hope that this Annual Report has captured pertinent issues of interest to our stakeholders. We shall appreciate your feedback.

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VICE-CHANCELLOR'S MESSAGE



Prof. Peter Mbithi, Vice-Chancellor

The 2014 Annual Report is a statement of the status of the University during the year, detailing issues of research, publications, staff postings and physical infrastructure. The University has continued to discharge its core mandate as guided by the 2013-2018 Strategic Plan, in pursuit of its vision of "A World Class University committed to scholarly Excellence".

As the premier institution of higher learning in Kenya, the University has continued to offer quality education and training that meets the expectations of industry and the general populace. This is evident from the huge array of programmes on offer, which are built within curricula that is prepared in consultation with Industry. The University has also risen to the challenge of Kenya's Vision 2030 in terms of offering Kenyans greater opportunities for transiting to University, and ultimately, making a significant contribution in turning Kenya into a middle income economy.

The report also details the University's financial performance during the year, which show a financial state of good health. The good performance of the University is attributed to the commitment and dedication of staff who worked tirelessly to support management in achieving University objectives. Within the year a lot of support, direct and in kind, was received from the government, donors, sponsors, alumni and other stakeholders.

2014 was also the year of transition as we bid goodbye to the outgoing Vice-Chancellor, Prof. George Magoha and welcome the seventh Vice-Chancellor, Prof. Peter Mbithi in January 2015.

Kindly give us feedback not only on the issues dealt herein, but on others which we can cover next time. This will assist us in improving service delivery to our clients, customers and the public.

CHANCELLOR, CHAIRMAN OF COUNCIL AND TOP MANAGEMENT OF THE UNIVERSITY

As at December 2015



Dr. Idle Omar Farah
Chairman, University Council



Dr. Vijoo Rattansi
Chancellor



Prof. Peter M.F. Mbithi
Vice-Chancellor



Prof. Henry W. Mutoro
Deputy Vice-Chancellor
Academic Affairs



Prof. Isaac M. Mbeche
Deputy Vice-Chancellor, Student Affairs



Prof. Bernard N.K. Njoroge
Administration & Finance



Prof. Lucy W. Irungu
Deputy Vice-Chancellor, Research,
Production and Extension



Prof. Agnes W. Mwangombe
Principal, CAVS



Prof. Peter Ngau
Principal, CAE



Prof. Bernard Aduda
Principal, CBPS



Prof. Isaac O. Jumba
Principal, CEES (Ag)



Prof. Isaac Kibwage
Principal, CHS



Prof. Enos H. Njeru
Principal, CHSS



Prof. Horace Ochanda
Deputy Principal, Kenya Science (Ag)



Prof. Peter K'Obonyo
Deputy Principal, CHSS

DEANS & DIRECTORS

 As at December 2015



Prof. J.W. Kimenju
Dean, Faculty of Agriculture



Prof. C. Mulei
Dean, Faculty of Veterinary Medicine



Prof. S. Kiama, Director,
Wangari Maathai Institute



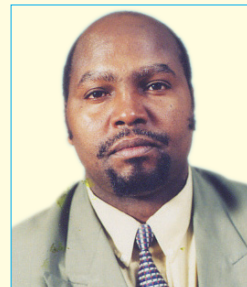
Prof. Robert Rukwaroo
Dean, School of the Built Environment



DR. M. Kinyua
Director, School of the Arts &
Design



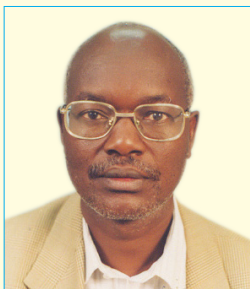
Prof. Mwangi Mbutia
Dean, School of Engineering



D. M. Maina
Director, Institute of
Nuclear Science & Technology



Prof. C. Nyamai
Dean, School of Physical Sciences
(Ag.)



Prof. W. Okello
Director, School of
Computing & Informatics



Dr. G. Obiero
Coordinator, Centre for
Biotechnology & Bioinformatics



Prof. P.G.O. Weke
Director, School of Mathematics



Prof. P. N. Ndegwa
Director, School of Biological
Sciences



Prof. W.J. Akala
Dean, School of Education



Prof. H. Kidombo
Dean, School of Continuing
& Distance Education (Ag.)



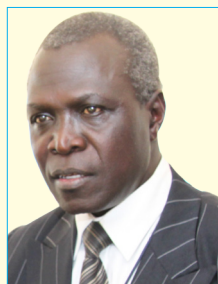
Mr. J. Odumbe
Coordinator, Open and
Distance Learning Center



Prof. F.N. Were
Dean, School of Medicine



Prof. A. Guantai
Dean, School of Pharmacy



Dr. D. Ongore, Director,
School of Public Health



Prof. L. Gacheca
Dean, School of Dental Sciences



Dr. G.M. Omoni
Director, School of Nursing
Sciences (Ag.)



Prof. J.M. M'Imunya
Director, UNITID

DEANS & DIRECTORS

 As at December 2015



Prof. P. Wasamba
Dean, Faculty of Arts



Dr. J. Aduda
Dean, School of Business



Prof. P. Kameri-Mbote
Dean, School of Law



Prof. J. Mariara,
Director, School of Economics



Dr. W. Kiai, Director,
School of Journalism and
Mass Communication



Prof. N. Oguge
Coordinator, Centre for
Advanced Studies in
Environmental Law & Policy



Prof. W. Mitulla,
Director, Institute for
Development Studies



Dr. C. M. Olunga
Director, Institute of Anthropology,
Gender and African Studies



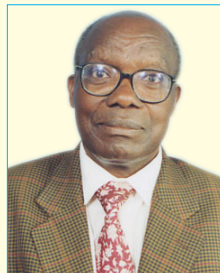
Prof. M. Nzomo
Director, Institute of Diplomacy
International Studies



Prof. M. Kimani
Director, Population Studies
Research Institute



Dr. Sophia Kaane
Director, Library and Information
Services



Prof. G. Muriuki
Special Students Advisor



Prof. J. Midiwo,
Director, Board of Common
Undergraduate Courses



Prof. L. Njenga
Director, Board of
Postgraduate Studies



Prof. J. W. Mwangi
Cordinator, Intellectual
Property Office



Prof. W. Ogara, Director,
Centre for International
Programmes and Linkages



Mr. I. Otieno
Director, Information,
Communication & Technology
Center



Mr. P. Busienei
Finance Officer



Mr. B. M. Waweru
Academic Registrar (Ag)



Dr. D. M. Bulinda
Registrar, Administration (Ag)



Prof. Wanjiku Kabira
Director, Africa Womens



Mr. B.D Njuguna
Planning Registrar (Ag)



Mrs. P.W. Khaoye
Registrar, Student Affairs
(Ag)



Mrs. B. Wanjala
Registrar, Research, Production
and Extension (Ag)



Dr. (Fr) D. Wamugunda
Dean of Students.



Mr. R. Lugwe
Director, Students Welfare
Authority



Dr. M.R.B Otieno
Chief Medical Officer (Ag)



CENTRAL ADMINISTRATION

1.1 Administration Department

The Administration department is the human resource department of the university and is comprised of three sections namely: Administration; Personnel; Recruitment and training.

The key functions of the department can broadly be described into two areas of general administration and human resource functions for recruitment and training and retention of employees.

STAFF

In 2014, the department had 53 members of staff.

ACHIEVEMENTS

In 2014, the department recruited 171 members of staff into service of the university, in various cadres. In the same year, 97 members of staff exited from service as follows:

Death while in service	8
Retirement	37
Resignation	47
End of contract	5

The department successfully completed the negotiations for the 2010 -2013 CBA cycle whose key highlight was the payment of salary arrears to staff, backdated to 2010. The department has continued to engage the three unions positively and has commenced engagements for the 2013 – 2017 cycles.

The department successfully conducted the 2012/2013 SPA. Additionally, the 2013/2014 cycle was launched in September 2014.

The department conducted 31 trainings/ seminars for the purpose of competence development.

In 2014, 27 members of staff were granted sabbatical leave, 31 members of staff proceeded on unpaid leave of absence, while 35 members of staff proceeded on study leave and 30 were awarded scholarships under the Staff Training and Development Fund. 50 staff members were awarded fee waiver to pursue Masters and PhD studies locally and abroad.



1.2 Board of Postgraduate Studies

The role of the Board of Postgraduate Studies is to manage and coordinate postgraduate studies throughout the University.

PROGRAMMES

In 2014, 322 postgraduate programmes comprising postgraduate diplomas, masters, fellowships, doctorate and higher doctorates were offered in the six colleges of the University.

VETTING OF PROGRAMMES

The Board vetted and approved seven new and revised programmes for Senate approval.

STUDENT STATISTICS

In 2014, postgraduate student enrolment was 13,000 while those who registered in the year were as follows:

Postgraduate diplomas	78
Fellowships	6
Masters	3790
Doctorate	454
Higher Doctorate	1

INTERNATIONAL STUDENTS

In 2014, 108 international students were registered in various postgraduate programmes in the University.

GRADUATION

In 2014, 3,660 postgraduate candidates graduated with various awards with a record 123 doctor of philosophy graduates, the highest number recorded in the history of the University of Nairobi.

1.4 Board of Common Undergraduate Courses

INTRODUCTION

The Board of Common Undergraduate Courses (BCUC) is a multidisciplinary department offering critical courses to all undergraduate students.

PROGRAMMES

In 2014, the Board coordinated ten courses as follows:

- Communication Skills
- Fundamentals of Development and their Applications in Kenya
- Human Health
- Law in Society
- Environmental Science
- Chemistry and Its Applications
- Science and Technology in Development
- Elements of Philosophy
- Elements of Economics
- HIV & AIDS

UPDATES

In 2014, the Board maintained a core of common courses as part of the management of common undergraduate programs.

The Board of Common Undergraduate Courses developed and activated its website <http://bcuc.uonbi.ac.ke/> The board also went live on facebook <http://www.facebook.com/> and its twitter handle is @bcuc_uon.

1.5 Student Welfare Authority

INTRODUCTION

The Student Welfare Authority (SWA) is the hospitality wing of the University. SWA is mandated to provide quality and affordable accommodation and catering services to enhance student welfare. In 2014, SWA had 11 Strategic Management Units (SMUs), and functioned under two key departments: Catering and Accommodation supported by departments of personnel, finance, maintenance, procurement and security .

In 2014, SWA had a staff complement of 908.

ACHIEVEMENTS

In 2014, SWA made the following achievements:

- Introduction of online room allocation
- Increased accommodation through double-decking
- Re-roofing of halls and kitchens
- Cabro paving in most premises
- Halls remodeling and painting works
- Rehabilitation of all cold rooms
- Introduction of Income Generating Cafeterias (Student Centre, Chiromo, Comcare and Dental)
- Conference facility at CCU
- Acquisition of Tigon Guest house
- Improved and renovated kitchen facilities
- Purchase of utility vehicles
- Revenue enhancement
- Trained staff on Performance Contracting
- Review of SWA Service Charter



Student Welfare Authority (SWA) headquarters

CHALLENGES

In 2014, SWA experienced challenges related to : inadequate accommodation facilities; vandalism and security issues; student indiscipline; low accommodation rates; high maintenance costs due to dilapidated facilities; cooking in Halls of Residence; unpaid internal debts to IGUs; lack of catering Management Information System (CMIS); lack of sufficient funds; overdue internal debtors; low staffing levels; high staff turn-over; lack of staff motivation/low morale

Into the future, there will be need for the completion of stalled hostel at Lower Kabete, refurbishment and rehabilitation of halls of residence, review of food and accommodation prices, implementation and maintenance of a Catering Management Information System (CMIS) by ICTC, hiring of adequate staff, recovery of all internal debts and introduction of pre-paid services, re-introduction of wardens for student mentorship.

1.6 Academic Division

The Academic Division is made up of the following offices: Office of the Deputy Vice-Chancellor (Academic Affairs), Academic Registrar's office, Deans/Senate Secretariat, Admissions and Examinations. It has the following functions: Preparation of Syllabi and Regulations, Under-graduate students admissions, Management of examinations, Management of the University Senate and Sub-Committees, Academic staff development.

SENATE APPROVED PROGRAMMES

In 2014, Senate approved the following academic programmes:

- Fellowship in Clinical Infectious Diseases
- Postgraduate Diploma in Training of Trainers
- Master of Education in Educational Foundations
- Master of Education in Higher Education
- Diploma in Mass Communication
- Diploma in Animation
- Diploma in Radio Production
- Master of Science in Petroleum Geoscience
- Doctor of Philosophy in Early Childhood Education



- Bachelor of Science in Mathematics and Computing
- Master of Education in English Education
- Master of Education in Business Education
- Master of Education in Pedagogy of Physical Education
- Master of Education in Physical Education and Sports
- Master of Education in Education Technology
- Master of Education in Religious Education
- Master of Education in Physical Education

In addition, Senate approved a request to mentor Koitalel University College.

1.8 Construction & Maintenance Department

The department is charged with the responsibility of developing and managing new capital projects and maintaining the existing physical facilities.

In 2014, the department scheduled the following projects:

PROJECT	LOCATION	STATUS
University of Nairobi towers	Main campus	On going
Kisumu Campus Complex	Kisumu	On going
Partial Completion of Pharmacy Building	CHS, Kenyatta	On going
Construction of Sewerage Plant	Lower Kabete campus	Proposed
Drilling and Equipping of boreholes	Lower Kabete/upper Kabete/CCU	completed
Partial Completion of Lower Kabete Halls of Residence	Lower Kabete	proposed
Library at Kenya Science Campus	Kenya Science campus	proposed
Construction of SEMIs Laboratory and seeds plant	Upper Kabete campus	On going
Refurbishment of Taifa hall	Main campus	proposed
Lift installation at Jomo Kenyatta Memorial Library	Main campus	proposed
Drilling of borehole at Dental School	Dental School	proposed
Extension of IDIS Building	Main campus	proposed
Vertical Extension of Library at Chiromo	Chiromo campus	proposed
Vertical Extension of Engineering Block	Main campus	proposed
Construction of Human Anatomy Annex	Chiromo	proposed

STRATEGIC ISSUES

Development of state of the art physical facilities that support the core functions is hampered by PPOA regulations. Some urgent requests and issues take unnecessarily long to address.

It is difficult to attract and maintain high caliber and qualified staff due to lack of motivation and low emoluments offered.

The department is in dire need of facilitation for maintenance travelling and communication and office expenses to achieve optimum supervisory levels.

There is need for increased funding for both capital development and maintenance of buildings.

There is need to employ more staff, both professionals and other skilled manpower so that the department can be more efficient in service delivery.

FUTURE PROJECTIONS

The department intends to attract and maintain high calibre and qualified staff to enable us meet the requirements of developing state-of-the-art physical facilities that support the core functions of the University.

1.8 Office of the Dean of Students

The Office of the Dean of Students is concerned with student affairs to help address the holistic growth, development and well being of students in support of the university's vision, mission, and objectives. The officers often work in liaison with different University departments as well as with student leaders, parents and maintain contact with outside agencies and the community to help carry out the mandate of this office effectively and efficiently.

In 2014, the Office encouraged students' positive involvement in internal and external events and partnered with students in programmes planning and facilitation, in order to enhance professional and personal well-being and nurture the right values, strong social responsibility and responsible citizenship.

In this effort, the Office facilitated ongoing programmes that developed student leadership skills, gave students an awareness of topical issues such as HIV/AIDS, career guidance and counseling, often supporting student participation in projects that encouraged innovativeness and creativity, including a positive interaction with the community and the environment.

The office also addressed issues pertaining to students with special needs and disseminated up-to-date information general to the university, and specific to the office.

STUDENT ACTIVITIES

The office related well with the Student Leadership (SONU), facilitating them where necessary sometimes under very difficult circumstances.



Students participate in SONU elections

The students' associations carried out activities with some showing more integrity and maturity than others. The most active in this regard were: KiliRover Scouts; WOSWA; MCCU; Rotaract; AIESEC; USIS; Peace Ambassadors, among others.

We also assisted professional groups from the faculties and a few of them were quite active.

COUNSELING SERVICES

We continued to offer counseling services through the offices of the Assistant Deans in the colleges and the student counselor at Main Campus. We advertised for 11 positions for the position of students' counselor for every college.

CHAPLAINCY SERVICES

The Protestant and Catholic Chaplains continued to engage with students and we are happy that in this way we were able to reach a large number of our students. Even though the former Muslim Chaplain continued to support the service, there is need to recruit a Muslim chaplain.

SPECIAL NEEDS

The University enabled the office to assist disabled students. The office managed to connect the students with special needs to relevant organisations that will support them.

PLACEMENT SERVICES

Recruitment and career fairs were held throughout the year. There were many new companies that added to our traditional recruiters. Students from various professional associations held career exhibitions which brought together people from different professional backgrounds in interactions with students. The Placement Office continually assisted students to get attachments and internships in various organizations and students were requested to send their C.V's to the office for ease of facilitation whenever opportunities arise.

RECOMMENDATIONS AND FUTURE PLANS

There is still a greater focus on module 1 students who readily receive information and varied services from this office. Students in other modules do not readily receive this information and are therefore not aware of the existence of services offered by the office of the Dean of Students. There is need to increase the number of materials published and further post information concerning this office and its services on the University intranet.

STAFF

In 2014, the student community was facilitated by the following staff complement:

Dean of Students	1
Assistant Deans of Students	11
Placement Officer	1
Student Counselor	1
Chaplains	2
Sign Language Interpreters	4

1.9 Estates Department

The department is charged with the responsibility of managing the University's physical assets spread out in all the campuses as well as in several regions of the country. These physical assets include land, buildings, housing, lecture halls and classrooms, laboratories, libraries, students' hostels, etc.

In its mandate of managing the physical assets, the department ensures that the University's land is secured by processing and registering all the parcels in the name of the University. This mandate also includes making sure all the University's buildings are well maintained and the staff houses are fully occupied and rents are paid on time.

The department also undertakes lease administration for the University commercial buildings such as Mombasa Uniplaza and leased premises by the University.

PROGRESS

In 2014, the department proposed to undertake the following:

Establishing a tree nursery at Tigoni – Limuru

Developing and testing an Estates Information System.

Upgrading of washrooms located in the Administration Block.

Repair and refurbishment of washrooms in the University Health Services.

Mechanical ventilation installation at the Central Administration Offices.

ACHIEVEMENTS

In 2014, the department achieved the following:

- Improved the 8-4-4 parking.
- Tested the university's borehole water.
- Constructed a perimeter wall along University Way.
- Completed processing of 4 title documents .
- Planted 200 indigenous trees at the University's Tigoni Guest House.
- Fire assembly points were clearly designated and marked in all campuses.
- All fire fighting equipments was serviced periodically as per maintenance schedules.
- Maintaining clean working environment by outsourcing cleaning and garbage collection services.

2.0 Information and Communication Technology Centre (ICTC)



Students in a computer lab at the UoN Mombasa Campus.

INTRODUCTION

The ICT Centre was established in 2002, as an independent Unit from the former Institute of Computer Science (ICS). The Centre facilitates the University at regional and global level. The University System of Websites was continuously improved in terms of content, design, visibility and openness. The e-repository system was introduced to provide open access to volumes of research work previous in physical form. The University of Nairobi continued to be a global pinnacle of research and academic excellence and its success is hinged on the use of ICT technology.

UPDATES

Data Centre upgrade

In line with ensuring a high availability of ICT services, the Data Center underwent a systematic upgrade of its facilities. To address the increased data storage requirements, the University acquired a Storage Area Network (SAN).

The Data Center was also upgraded with a floor standing Air Condition system, and a new generator to supplement the old generator.

Wireless (WiFi) and Local area Networks

In 2014, the ICT Center undertook the following networking projects:

Connecting 6 extra mural centers to the UoN Wide Area Network (WAN). The centers are Nakuru, Meru, Nyeri, Kisii, Kakamega and Kisumu Mega City.

Design of the College of Agriculture and Veterinary Studies (CAVS) Wi-Fi network. The project will be implemented in 2015.

Design of SWA-UHS-ADD-UNES fibre backbone project. The project will be implemented in 2015.

Internet Bandwidth

The internet bandwidth throughput peaked at 600Mbps in 2014, and the University's upgraded its bandwidth from 430Mbps to 580 Mbps. More bandwidth was also made available to the University via KENET, the University's Internet Service Provider, during off peak hours.

University Rankings

The University of Nairobi monitors its performance on Webometrics and 4ICU university rankings. The University System of Websites was continuously updated at the faculty/institute/departmental levels. The content was enriched and the design improved.

In July 2014, UoN was ranked 907 in the World, 9th in Africa, and 1st in Kenya.

WORLD POSITION						
RANKING	AFRICA RANK	WORLD RANK	SIZE/PRESENCE	VISIBILITY/IMPACT	RICH FILE/OPENNESS	SCHOLAR/EXCELLENCE
Jan 2013	12	1,326	1,528	2,981	950	1,346
Jul 2013	14	1,624	619	2,883	1,119	1,323
Jan 2014	9	1,167	1,828	1,898	774	1,329
Jul 2014	9	907	1,109	2,225	44	1,403

Management Information Systems

In 2014, the Centre launched the Customer Relations Management System (CRMIS), as part of embedding accuracy, retrievability and transparency in the issuing and re-issuing of student transcripts and certificates. The CRMIS is the only one of its kind in Kenya; making the University of Nairobi a leader in ICT, research and academic excellence.

Staff

In 2014, the Center had 131 members of staff. Approximately 60 of the staff were based in Chiromo (headquarters) and the rest distributed across campuses to support and strengthen ICT utilization across the entire University.

Upcoming projects

In line with its strategic plan and commitment to provide quality services, the ICT Centre embarked on a number of projects to ensure that the University aligns itself with modern IT technology demands that will cater for teaching and learning applications as well as dynamic service delivery systems. These include:

Data Center physical facilities upgrade; Installation of MS Active Directory for single sign-in and Upgraded MS licenses; Next Generation Firewall Upgrade.

2.1 University of Nairobi Press (UONP)

Since it became operational in 1990, the objectives of the company have been consistent with the primary objectives of the University of Nairobi, to disseminate knowledge through publications; hence, UONP's mandate is scholarly publishing. This portfolio makes UONP an important partner in research and dissemination of intellectual enquiry. Through its publications, UONP continued to mirror and extend the University's intellectual strength and reputation.

NEW TITLES

In 2014 the Press published new books as follows:

- (i) Classification of East African Crops by J.O Kokwaro
- (ii) National Food Security Status Report by the African Women's Studies Centre. ISBN 9789966972310
- (iii) National Food Security Status Report by the African Women's Studies Centre. Migori County. ISBN 9789966972327

- (iv) National Food Security Status Report by the African Women's Studies Centre. Kiambu County ISBN 9789966972334
- (v) National Food Security Status Report by the African Women's Studies Centre. Nairobi County. ISBN 9789966972341
- (vi) National Food Security Status Report by the African Women's Studies Centre .Laikipia County . ISBN 9789966972365
- (vii) National Food Security Status Report by the African Women's Studies Centre. Baringo County. ISBN 9789966972358

REPRINTS

In 2014, the Press reprinted the following titles:

- (i) Introduction to environmental education by J.E Otiende
- (ii) An introduction to the history of education by D.N Sifuna and J.E Otiende
- (iii) Basic concepts of micro economics with special reference to Kenya by C. Ackello-Oguu and J.J Waelti
- (iv) Working with rural communities by P.Chitere and R Mutiso

Additionally, the Press processed the following titles for reprinting:

- (a) An Introduction to African History by M.A. Ogutu and S. Kenyanchui
- (b) Basic Accounting by N.D. Nzomo
- (c) Casebook on Kenya Customary Law by E. Cotran
- (d) Textiles: A Home Science Handbook by R. Onyango
- (e) A Laboratory Manual of Cell Biology by E.N. Waindi

FORTHCOMING BOOKS

In 2014, the Press processed the following books for release in 2015:

- (i) Effective Teaching Practices by M.Z.A. Etisi
- (ii) Polymer Physics by Peter Karanja
- (iii) The Indigenous Knowledge of the Ameru by M. Mugambi
- (iv) Governance and development in East Africa: 1960-2006 edited by Pontian Godfrey Okoth

EXHIBITIONS/MARKETING TRIPS

In 2014, the Press undertook and attended exhibitions as follows: UONP participated at the Kenyan Universities Exhibition held in Eldoret, in March, the University of Nairobi Open Day, in May, the Nairobi International Book Fair at Sarit Centre and the Nairobi International Trade Fair.

PARTNERSHIPS AND COLLABORATION

In 2014, the Press maintained its publishing partnership with the African Economics Research Consortium (AERC). A partnership was maintained with the World Health organization-Africa Office, Brazzaville and a new partnership was forged with the African Women's Studies Centre.

STRATEGIC ISSUES/CHALLENGES

As is the case in other university presses worldwide, institutional support has been instrumental to the continued operations of the Press; indeed the shrinking government support for higher education, is making it increasingly difficult for UON to sustain its support for the Press. Instead, UONP is expected not only to generate sufficient revenue for continued publication but also to return regular and substantial surpluses to the university.

The rapid technological advances in the publishing industry are another challenge. There is need to invest in acquiring the technological resources and skills that will enhance the capacity of the Press to produce quality work at minimal cost.

WAY FORWARD

One of the major activities undertaken within the year is the initiation of the process of reviewing the activities of the UON Press for enhanced performance. This includes enhancing the marketing function to improve its effectiveness and impact. The UONP's current institutional support model is typical of university presses all over the world. However, this practice is no longer sustainable in the publishing environment. UONP will need to adopt new strategies to enhance revenue generation to support its activities and eventually make profit.

STAFF

In 2014, the Press had a staff complement of 12.

2.2 Library Department

INTRODUCTION

The University of Nairobi Library endeavours to empower the University to retain its leadership role as a World Class University by providing current, timely and quality information to enhance teaching, learning, research and consultancy programmes of the University.

The Library system comprises of the Main Library, thirteen College and branch libraries spread out in the various campuses of the University.

ACHIEVEMENTS

In 2014, the Library achieved the following: Upgraded the Library system to the current version of VSmart software, Improved website to be more interactive, implemented the use of Turnitin, a fraud and plagiarism detector under



A departmental Library in one of the UoN campuses

license from the Consortium for Advanced Research and Training in Africa (CARTA) umbrella, Extended library services to extra-mural centres: Kisumu, Nakuru, Nyeri, Eldoret.

In collaboration with ICTC, an automated helpdesk system was developed for the library, book chutes were installed in CEES and JKML. The network extension in the computer lab at CBPS library was completed and the library was equipped with 22 additional computers.

In July, 2014, the University Digital Repository was ranked number 6 in Africa, a tremendous improvement from the previous ranking of number 7.

The Library procured and distributed 50 computers to branch libraries, and also procured and distributed 10 book barcode scanners to branch libraries.

The Department procured 4,518 volumes of books and received 1,572 volumes of book donations from the Sir Michael Blundell Trust, Book Aid International and Kenya Institute for Public Policy Research and Analysis (KIPPRA). The Library subscribed to Elsevier Ebooks Freedom Collection comprising of 2,416 books.

The University funded two members of staff to attend a training on digitisation in Addis Ababa, Ethiopia in November 2014, one member of staff was partially supported by the University to attend a workshop on Electronic Information Services in Turkey in November 2014.

CHALLENGES

In 2014, the Library experienced the following challenges:

Delays in book procurement occasioned by the transition from single sourcing to quotations method of procurement, the introduction of value added tax on books raised the cost of procurement of books which is not matched by the budgetary allocation to cushion the expenditure. It has also caused delays in receipt of books because the VAT has to be cleared before books can be supplied.

The freezing of procurement for office furniture impacted negatively on the library since the department could not procure furniture for staff.

Some branches experienced a serious shortage of staff which is aggravated by Sunday duties that necessitate off duties where staff are not compensated e.g. CAVS.

The procedure that is in place for repairing of furniture and facilities as well as maintenance is too lengthy and bureaucratic and it affected the outlook of the library.

Internet connectivity in some branches e.g. Medical Library, Kikuyu Library was too slow or unavailable especially in the afternoons.

FUTURE PROJECTIONS

In liaison with ICTC, the Department plans to enhance remote access to electronic resources through upgrading of the Virtual Private Network (VPN) system. It is also expected that extension of opening hours for computer labs in the campuses will enable more students to get access to e-resources. It is expected that branch libraries that are experiencing heavy power outages like CEES will be provided with heavy duty power generators to ensure that there is no disruption of services.

The library is in the process of procuring heavy duty scanners for fast tracking retrospective scanning of these.

The library will collaborate with other stakeholders in developing a proposal for setting up of Presidential Collections: Jomo Kenyatta, Daniel Arap Moi, Mwai Kibaki.

2.3 Department of Sports and Games

The department is as old as the University itself; dating back to the late 1960s, it has six staff at the Central office including coaches and a games tutor in each College/Campus.

UPDATES

During 2014, the Department undertook the following activities:

- Participated in the annual Inter Universities Women Games championship held at Egerton University in March.
- Participated in the national leagues and tournaments in rugby, volleyball, basketball, hockey, handball and athletics.
- Participated in the ZUKU –Universities Basketball League.

- Participated in the KUSA –Nairobi league in handball, basketball, hockey, volleyball and netball.
- Hosted and Participated in the 7th All Africa Games at University of Nairobi grounds.
- Participated in the December 2014 Eastern Africa Universities Games held at Mukono, Uganda.

STRATEGIC ISSUES

In 2014, the department focused on the following issues:

- Maintained and sustained 'state of the art' sport facilities at both colleges/campuses and the university level.
- Procured and maintained standardized sports equipment and kits for University teams.
- Established close linkages with local universities, foreign institutions and the corporate world.
- Communicated the departmental activities within the university and the outside world through departmental website and other channels.
- Built staff capacity through seminars, conferences, workshops and related training.
- Competitively expanded the department through recruitment and promotions and offering short courses.
- Increased the number of students participants in Sports and Games.

ACHIEVEMENTS

In the year 2014 the Department:

- Enrolled and sustained most of the University teams in the National leagues and tournaments (i.e Rugby, Basketball, Volleyball, Soccer, Hockey, Swimming, and Handball among others).
- Was crowned the National ZUKU sponsored basketball league champions in May.
- Realized wellness programme in a large number of students.
- Through the existing sports programmes, the students have been connected to the corporate world for employment.
- During the 3rd Edition of the universities women sports day, we were second overall with Kenyatta University taking position 1.
- Enhanced visibility of University of Nairobi through hosting events highlights as KUSA Games (Nairobi Conference) for three weekends in a row, and the 7th Edition of All African Games in July.
- .Continual development and management of sport facilities at College, campus and University level.
- Was crowned the champions of Soccer Nairobi Branch.

CHALLENGES

- Lack of adequate office space.
- Inadequate allocations of financial resources to run students' sport fixtures, buy equipment and kits, develop, maintain and or repair sport facilities.
- The ratio of existing technical staff overstretched for the required services (i.e about 50,000 students against seven Games Tutors)
- Lack of adequate support staff at both college and university level.
- Difficulties in incorporating the upcoming campuses in the existing sport programmes and sport facilities.
- Inadequate sport facilities and equipment to cater for the ever increasing student population.
- Lack of a University gymnasium facility for both students and staff.

FUTURE PROJECTIONS/WAY FORWARD

- Request and follow-up approval of extra technical staff.
- Continual follow- ups with the University Management on the establishment of a gymnasium complex within

the main campus.

- Initiate teaching programmes to offer short courses in refereeing, sport psychology, sport pedagogy, swimming instructors and life saving.
- Review the existing departmental structure to accommodate the departmental expansion for effective services.
- Develop additional sport facilities at both College and University level.
- Follow-up with corporates and well wishers on the award of scholarships to excelling student athletes.

2.5 University Health Services

The University Health Services (UHS) is mandated to provide quality healthcare of international standards to the University community.

In 2014, the department had three strategic issues centered on : enhancing efficiency in provision of quality health care by operationalising the treatment module in UHSMIS , expanding renovating and modernizing physical facilities, medical equipment and services, and advocating for the implementation of schemes of service for all cadres of human resources for health at UHS.

ACHIEVEMENTS

In 2014, the department realized the following: purchased modern chemistry analyzer, and CD4 counter, initiated an IGU programme in the laboratory and theatre, and purchased two new ambulances

CHALLENGES

The department faced challenges including: the rising cost and demand for quality health care, operationalizing UHSMIS in all module, lack of scheme of services for all cadres of human resources for health, delayed repairs for building and maintenance of equipment, big number of health workers employed on contract basis.

FUTURE PROJECTIONS

- Relocate and renovate the Kenya Science Campus clinic
- Renovate the Medical School Clinic
- Establish laboratories in satellite clinics initially at Kikuyu, Lower and Upper kabete.
- Decentralize some medical services to campus clinics
- Review staffing levels for all cadres to be able to serve cost –effectively to increasing patient population.
- Put in place scheme of service for all cadres
- Solicit for absorbing contract/temporary health workers in permanent and pensionable employment



Students get medical attention at the Sick Bay, University Health Services

2.00

COLLEGE OF AGRICULTURE AND VETERINARY SCIENCES

2.1 Faculty of Agriculture

The Faculty of Agriculture currently has 10 undergraduate and 20 postgraduate degree programmes spread out in five thematic departments. The training programmes are regularly reviewed to incorporate emerging scientific and technological issues in the agricultural, food and environmental sciences. Notable among such rapid changes relate to knowledge in the areas of biotechnology, information technology, climate change and environmental quality. The programmes have a strong practical component, which places emphasis on participation in carrying out relevant research and outreach activities aimed not only in increased agricultural production, but also in integrated natural resources management and environmental protection.

The faculty comprises the following departments: Department of Agricultural Economics, Department of Plant Science and Crop Protection, Department of Land Resource Management and Agricultural Technology (LARMAT), Department of Food Science, Nutrition and Technology (FSNT) and Animal Production.

COURSES OFFERED

In 2014, the Faculty offered 8 Undergraduate programmes covering agribusiness management, agricultural education and extension, agriculture, food nutrition and dietetics, food science and technology, horticulture, management of agro ecosystems and environment and range management. There were three diploma programmes which include: diploma in crop protection, poultry keeping and seed technology.

The Faculty had 21 masters programmes covering various fields of specialization that included : agricultural and applied economics, agricultural economics, agricultural information and communication management, agricultural resource management, agroforestry, agronomy, animal genetics and breeding, applied human nutrition, crop protection, dryland resource management, food science and technology, horticulture, land and water management, livestock production systems, management of agro-ecosystems and environment, plant breeding and biotechnology, plant breeding and genetics, plant pathology, range management, seed technology and business management and soil science.

The faculty also run PhD program for the specialization listed above.

ENROLLMENT

In 2014 the Faculty enrolled the following numbers:

Bsc. Agriculture	117
Bsc Food Science & Technology	50
Bsc Range Management	40
Bsc Management of Agroecosystems & Environment	43
Bsc Agricultural Education & Extension	133
Bsc Horticulture	45
Bsc Agribusiness Management	147

Bsc Food Nutrition & Dietetics	52
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GRADUANDS

In 2014, the Faculty graduated the following:

PhD	12
Masters	69
Bachelors(Undergraduate)	231
Diploma	14

STAFF

In 2014, the Faculty had the following staff complement

Professors	14
Associate Professors	28
Senior Lecturers	18
Lecturers	23
Tutorial Fellow	19

RESEARCH PROJECTS AND ACTIVITIES

1. Seed Enterprise management Institute (SEMI) Project: The Seed Enterprise Management Institute (SEMI) project is a collaborative initiative funded by Association for a Green Revolution in Africa (AGRA). The Project is led by University of Nairobi. Collaborators include Iowa State University (ISU), International Maize and Wheat Improvement Center (CIMMYT), Kenya Seed Company (KSCo), Kenya Plant Health Inspectorate Services (KEPHIS) and other private and public institutions in the seed delivery systems. The role of SEMI is mainly geared to providing capacity to the seed industry in sub-Saharan Africa mainly through training on seed systems management for seed practitioners Funded by AGRA, Investigators: Prof. A. Mwang'ombe, Prof. F. Olubayo and Dr. K. Njoroge. Collaborators: International Maize and Wheat Improvement Center (CIMMYT), Iowa State University (ISU), Kenya Plant Health Inspectorate Services (KEPHIS).
2. Capacity building in plant breeding and seed technology for improved food and nutritional security in eastern Africa .Funded by the Alliance for a Green Revolution in Africa (AGRA) education for Africa's crop improvement (EACI). Grant USD 500,627 for 3 years (2014-2016). Objective is to enhance human capacity in plant breeding and seed technology and business management by training of 12 MSc students. Investigators – Prof. F. M. Olubayo and Prof. J. W. Muthomi
3. Low-cost optical sorting to remove mycotoxins from maize in local Kenyan mills. Grant amount KES6,156,480. Funded by US Agency for International Development Contract No.AID-623-C-12-00001 for Program titled Kenya Feed the Future Innovation Engine (KFI). August 2014 to August 2015. Investigators - Prof. J. W. Muthomi in collaboration with Cornell University.
4. Supporting investments in up scaling of grain legumes in western Kenya through assessing and modeling the threat of biotic stressors". Funded by the McKnight Foundation. Collaborating institutions are International Center for Tropical Agriculture (CIAT), KARI, University of Nairobi,ARDAP (NGO), MasindeMuliro University of Science and Technology. GRANT AMOUNT US\$504,000 for three years. Investigator - Prof. J. W. Muthomi, Dr. J. M. Wagacha
5. Development of biopesticide-based IPM systems to reduce synthetic pesticide residues in vegetables for niche market access by small holder growers. Funded by the Regional Universities Forum for Capacity Building in



Prof Agnes W. Mwang'ombe, principal, College of Agriculture and Veterinary Sciences addresses the SLUSE participants.

- Agriculture (RUFORUM) Grant amount US\$64,907.55 to support training of two MSc students. Investigator - Prof. J. W. Muthomi, Dr. J. M. Wagacha, Prof. J. H. Ndiritu, Dr. F. J. Toroitich.
6. Integrated Management of Maize Lethal Necrosis in Eastern and Central Africa. Funded by ASARECA. To enhance productivity and competitiveness of maize value chain in the semi humid lowland agricultural systems of Eastern and Central Africa through sustainable management of the Maize Lethal Necrosis Disease. 2014-2018. Dr. D. Miano
 7. Innovation systems, agricultural growth and rural livelihoods in East Africa, Funded by DFID-ESRC Growth Programme. Investigators: Prof. Chris Garforth, Dr. Peter Dorward and Dr. Sarah Cardey (University of Reading-leading team) Prof. Florence Olubayo and Dr. Rose Nyikal (University of Nairobi collaborators). Collaborators: Makerere University (Uganda), Ahfad University for Women (Sudan) and University of Kiel (Germany).
 8. Diversifying Food Systems: Horticultural Innovations and Learning for Improved Nutrition and Livelihood in East Africa (HORTINLEA). Collaborative project between German and East African Universities/Research Institutions. Dr. Jane Ambuko (Partner/PI, University of Nairobi)
 9. Minimizing Postharvest Losses among Mango Farmers through Training on Good Harvest and Postharvest Handling Practices. Trellis Fund Student Capacity Building Project supported by Horticulture CRSP and USAID. University of Nairobi in collaboration with University of California, UC Davis, USA. Jane Ambuko (PI), Dr. Margaret Hutchinson and Msc Horticulture Students (Nancy Kemunto, Lilian Ouma and Penina Yumbya).
 10. Genetic Characterization of Eastern and Southern African Cleome gynandra (Spider Plant) species for nutritional and health promoting bioactive compounds. Co-funded by Kenya Government through National Council for Science and Technology (NCST) and South African Government through National Research Foundation (NRF). Dr. Jane Ambuko (Kenyan PI, UON) and Dr. Bridget Crampton (South African PI, University of Pretoria)
 11. Improving profitability of the mango value chain through strategies for off-season flower induction, proper harvest scheduling and appropriate postharvest handling practises and technologies. Funded by Regional

- Universities Forum (RUFORUM). Jane Ambuko (PI), Dr. Margaret Hutchinson, Prof. Solomon Shibairo, Dr. Willis Owino (JKUAT) and Mr. Joseph Njuguna (KARI)
12. Diversifying Food Systems: Horticultural Innovations and Learning for Improved Nutrition and Livelihood in East Africa (HORTINLEA). Collaborative project between German and East African Universities/Research Institutions. Dr. Jane Ambuko (Partner/PI, University of Nairobi)
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2.2 Faculty of Veterinary Medicine

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

In 2014, , the Faculty had a teaching staff of 115. The Faculty offered five degree programmes namely: Bachelor of Veterinary Medicine, B.Sc. in Biomedical Technology and B.Sc. in Wildlife Management & related options, B.Sc. in Leather Science & Technology and B.Sc. in Fisheries & Aquaculture Management. In addition, it offered over 20 M.Sc. and PhD programmes, 1 postgraduate certificate, 3 diplomas, and 4 certificate programmes.

The Faculty continued to participate in outreach and community services and had regular conferences attracting local, regional and international participants.

ENROLLMENT

In 2014, the Faculty enrolled the following numbers:

Bachelor of Veterinary Medicine	149
B.Sc. in Wildlife Management	35
B.Sc. in Fisheries	25
B.Sc. in Leather	28
Diploma in Animal Health & Prod.	56
Diploma in Vet. Public Health & Meat technology	36



Staff and students involved in activities in the Faculty of Veterinary Medicine (above and below)



GRADUANDS

In 2014, the Faculty graduated the following:

Ph.D.	15
M.Sc.	25
Bachelor of Veterinary Medicine	69
B.Sc. in Biomedical Technology	14
B.Sc. in Wildlife Management	10
Dip. in Animal Health and Prod.	15
Dip. in Leather Science & Technology	13
Dip. in Vet. Public Health & Meat Technology	35

STAFF

In 2014, the Faculty had the following staff complement:

Professors	17
Associate Professors	27
Senior Lecturers	25
Lecturers	27
Tutorial Fellow	19
Chief Technologist	5

RESEARCH ACTIVITIES

In 2014, staff were involved in research activities that included:

Investigation into the potential role of ticks in African swine fever epidemiology along Kenya-Uganda border.

Building capacity to improve the safety of animal-source foods and ensure continued market access for poor farmers in sub Saharan Africa Funded by BMZ and GIZ Germany.

Environmental and Social Ecology of Human Infectious Diseases – Funded by MRC UK.

Improving Food Security in West and East Africa through Capacity Building in Research and Information Dissemination (FoodAfrica). Funded by Ministry of Foreign Affairs Finland.

Updating the National Implementation Plan (NIP) under the Stockholm Convention on Persistent Organic Pollutants for the Ministry of Environment Water and Natural Resources, Kenya (GOK/GEF World Bank Project ; June 2013-March 2014).

Evaluation of traditional herbal therapy for cancer state treatment.

Evaluation of pain alleviating, anti-inflammatory and anti-Rheumatoid properties of selected Kenya Medicinal plants.

Pharmacological, Toxicological and Phytochemical study of Clerodendrum myricoides, an important medicinal plant used in Samburu, Kenya.

Development of a biopesticide for use against mosquitoes from selected plants in Msambweni District, Kenya.

INTERNATIONAL LINKS AND COLLABORATION

In 2014, the Faculty had the following links:

- Global Alliance for Livestock Veterinary Medicine and University of Nairobi
- International Livestock Research Institute.
- World Society for Protection Animals.
- McMaster University, Canada
- University of Johannesburg, South Africa
- Great Lakes Laboratory for Fisheries and Aquatic Sciences, Canada
- University of Antwerp, Belgium
- Universidade Federal do Rio Grande (FURG), Brazil
- University of Wyoming, U.S.A
- University of Minnesota through its Duluth Campus Medical School
- Institute of Anatomy, University of Bern. This link supports joint research projects and capacity building for the Department of Veterinary Anatomy and Physiology.
- The Institute of Anatomy, University of Bern.
- Tufts University and University of Minnesota on One Health.
- World Animal Protection

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Ochieng JW and Milugo TK (2014) Genetic diversity in Eucalypts. In: Genetics, Genomics and Breeding of Eucalypts, by Robert Henry & Chittaranjan Kole (Eds), CRC Press, Taylor & Francis, Print ISBN: 13: 978-1-4822-5412-9 (Hardback); eBook ISBN: 978-1-4822-5413-6 pages 34-44. Series on: Genetics, Genomics and Breeding of Crop Plants, by Chittaranjan Kole (Ed).

Milugo TK and Ochieng JW (2014) Reversed pH gradient explains antioxidant-mediated acceleration in lung cancer. *Science Translational Medicine*, 6 (221): 221ra15/reply <http://stm.sciencemag.org/content/6/221/221ra15/reply> (9 March 2014)

Amimo J.O., E.A. Okoth, J.O. Junga, W.O. Ogara, M.N. Njahira, Q. Wang, A.N. Vlasova, L.J. Saif, A. Djikeng (2014) Molecular detection and genetic characterization of kobuviruses and astroviruses in asymptomatic local pigs in East Africa. *Archives of Virology* Volume 159, Issue 6, pp 1313-1319. <http://www.ncbi.nlm.nih.gov/pubmed/24327095>

Marete, A.G., R.O. Mosi, J.O. Amimo and J.O. Junga (2014) Characteristics of Lactation Curves of the Kenya Alpine Dairy Goats in Smallholder Farms. *Open Journal of Animal Sciences*, 4, 92-102. <http://dx.doi.org/10.4236/ojas.2014.42013>

J. G. Maina. Influence of social-economic factors, gender and the Fish Farming Enterprise and Productivity Project on fish farming practices in Kenya – *Livestock Res. For Rural Development* 26:2 2014.

J. G. Maina. Situational analysis of Nile tilapia and African catfish hatcheries management: a case study of Kisii and Kirinyaga counties in Kenya. *Livestock Research for rural Development* 26: 5 (2014)

Waititu, S.M., A. Rogiewicz, B.A. Slominski, J.G. Maina, J.O. Ochanda, and C.M. Nyachoti. 2014. Effects of multi-enzyme mixtures on performance and nutrient utilization in broilers fed diets containing different cereals and industrial by-products. *J. Poult. Sci.* 51:402-410

PAPERS PRESENTED

Gathura P.B. and Wangui Z. Determination fluoride levels in water from boreholes in Nairobi County and its environs. Presented at the 9th Biennial Conference of Faculty of Veterinary Medicine, University of Nairobi 3rd – 5th September, 2014.

Mbaka, M., Musalia, Mbaria, J.M., and Gathura, P.B. The impact of knowledge, attitudes and the practices of indigenous chicken farmers in Makueni that may risk drug, aflatoxin and barbaloin residues in meat. Presented at the 9th Biennial Conference of Faculty of Veterinary Medicine, University of Nairobi 3rd – 5th September, 2014

Wamwatila S.N., Okoth, E.A., Gathura P.B. and Ogara O.W. Investigating potential role of ticks in African swine fever epidemiology along the Kenya Uganda border. Presented at the 9th Biennial Conference of Faculty of Veterinary Medicine, University of Nairobi 3rd – 5th September, 2014

Gathura, P.B. and Waweru Z.W. 2014. Determination of fluoride levels in water from boreholes in Nairobi County and its environs. Paper presented at the 9th Biennial Scientific Conference, Faculty of Veterinary Medicine, University of Nairobi. 3-5th September, 2014.

Leelia A.R., Kitala, P.M., Gathura P.B. and Ombui J.N. The incidence of human-bites by animals and risk of rabies in Machakos County, Kenya. Epidemiology of animal bites and risk of rabies in Machakos County, Kenya. Paper presented at the Faculty of Veterinary Medicine, University of Nairobi Biannual Scientific conference. 3-5th September, 2014.

Amimo JO, Saif LJ, Junga J, Vlasova AN, Okoth EA, Njahira MN, Ogara WO, Djikeng A. (2014) " Investigating swine enteric viral diseases in smallholder farms in Kenya and Uganda using reverse transcription PCR assay." In: 6th All Africa Conference on Animal Agriculture: 27th - 30th October 2014, Kenyatta International Conference Centre, Nairobi Kenya

2.3 Wangari Maathai Institute for Peace and Environmental Studies

The Wangari Maathai Institute for Peace and Environmental Studies (WMI) was established in 2009 as a centre of excellence in environmental governance and its linkages with peace and democracy. The institute was established in close collaboration with the 2004 Peace Nobel Laureate, the late Prof. Wangari Maathai. WMI aims to promote good environmental practices and to cultivate a culture of peace by shaping values, ethics and attitudes of its graduates through experiential learning, mentoring and transformational leadership.

PROGRAMMES OFFERED

In 2014, the Institute offered the following programmes;

- (i) Master of Science in Environmental Governance.
- ii) Doctor of Philosophy in Environmental Governance and Management.

ENROLLED STUDENTS IN POSTGRADUATE PROGRAMMES;

In 2014, the Institute enrolled three (3) students for Master of Science in Environmental Governance, and twelve (12) students for Doctor of Philosophy in Environmental Governance and Management

NUMBER OF STAFF

Professor	3
Associate Professor	6
Senior Lecturer	2
Lecturer	4
Tutorial Fellow	2
Graduate Assistant	1

INTERNATIONAL LINKAGES AND COLLABORATIONS

The Institute has partnered with the Green Belt Movement International, North America in Scaling up the wPOWER Hub. This training forms part of wPOWER hub activities towards the Partnership on Women's Entrepreneurship in Renewables ("wPOWER") project that was launched by the US State department in January 2013. In July 2014, the Institute conducted a Training of Trainers (ToT) course on Sustainable Clean Energy Entrepreneurship course aimed at nurturing change agents and equipping them with the skills and tools they need to bring about, as the late Prof. Wangari Maathai hoped, community transformation in clean energy, environmental stewardship and livelihood improvement.



Training Of Trainers participants in Kayole Soweto learning the briquette making process.



Francis Songela of wPOWER Care International awarding certificates to Trishalla of SSP, India. Looking on is Ms. Wanjira Mathai, wPOWER Hub Project Director and Prof. S.G. Kiama, wPOWER Hub Academic Director & Director of Wangari Maathai Institute for Peace and Environmental Studies.

In February 2014, the Institute collaborated with the University of Copenhagen Denmark for the Sustainable Land Use and Resource Management (SLUSE) course.

The Wangari Maathai Institute for Peace and Environmental Studies in collaboration with the University of Copenhagen and the Green Belt Movement conducted a successful two weeks training.

This experiential training was held in Nyeri South District, Kenya from 28th February to 13th March 2014 and was focused on hands on experience. The course was attended by 24 international students (16 from University of Copenhagen, 6 Roskilde University, 1 Makelle University and 1 from Swedish University of Agricultural Sciences) and 12 Kenyans.



Prof. S.G. Kiama, Director, Wangari Maathai Institute issuing a certificate of participation to one of the participants

PUBLICATIONS

Gakuya, D.W., Mbugua, P.N., Kavoi, B., Kiama, S.G. (2014). Effect of Supplementation of Moringa oleifera Leaf Meal in Broiler Chicken Feed. International Journal of Poultry Science 13 (4): 208-213. ISSN 1682-8356 © Asian Network for Scientific Information, 2014.

Kavoi, B.M., Plendl, J., Makanya, A.N., Ochieng', S., Kiama, S.G. (2014). Effects of anticancer drug docetaxel on the structure and function of the rabbit olfactory mucosa. Tissue and Cell

Kaingu, C.K., Mbaria, J., Oduma, J.A., Kiama, S.G. (2014). Ethnobotanical study of medicinal plants traditionally used in Tana River County for management of illnesses.

Kiama S. G. (2014). Aquisition of antigens by airway dendritic cells. Do we know enough? Anatomy Journal of Africa 3 (3): 308-318

Kimberly L., VanderWaal, E. R. Atwill, Lynne A. I., McCowan, B (2014). Quantifying microbe transmission networks for wild and domestic ungulates in Kenya. Biological Conservation 169 (2014) 136–146

Krijtenburg, F., Sandra J. T. M. (2014). Putting a Spin on Jatropha: How Conservationist Rhetoric Drove Bedford Biofuels out of Tana Delta-Kenya. Sustainability 2014, 6, 2736-2754;

Muthii, R.Z., Mbaria, J. M., Mbaabu, M. P, Kiama S. G., Okindo R.O. (2014). Antimicrobial activity of aqueous and methanol extract of naturally growing and cultivated Aloe turkanensis. The Journal of Phytopharmacology 2014; 3(5): 343-347

Nasimolo, J., Kiama, S.G., Gathumbi, P.K., Makanya, A.N., Kagira, J.M. (2014). *Erythrina abyssinica* prevents meningoencephalitis in chronic *Trypanosoma brucei brucei* mouse model. *Asian Journal of Complementary and Alternative Medicine*

Onzago, R.O., Kiama S.G., Mbaria, J.M., Gakuya, D.W., Githiji, C.G., Rukenya, Z.M. (2014). Analgesic activity of aqueous extract of *Vernonia hymenolepis*. (A. Rich) a traditional medicine plant used in Kenya for toothache. *The Journal of Phytopharmacology* 2013; 2(6): 41-45

Onzago, R.O., Kiama, S.G., Mbaria, J.M., Gakuya, D.W., Nduhiu, J. G. (2014). Evaluation of antimicrobial activity and toxicity of *Vernonia hymenolepis* (A. Rich) traditionally used for toothache in Kenya. *The Journal of Phytopharmacology* 2014; 3(1): 22-28

PAPERS PRESENTED AT CONFERENCES

Mutune, J.M., Lund, J.F., Wahome, R.G. and Mungai, D.N. Livelihood Impacts of Decentralised Forest Management: Empirical Evidence from Sururu and Eburu Forests, Kenya. 2nd National Participatory Forest Management Conference (PFM), at the Kenya Forest Research Institute, Muguga, Nairobi on 15th to 16th July 2014.

Rukenya M. Z., Mbaria, J.M., Mbaabu P.M., Kiama S.G., Onzago R.O (2014). In Vitro Antimicrobial, Cytotoxic Activity & Phytochemistry of *Aloe turkanensis*, an Ethnomedicine Used in Turkana, Kenya. The Kenya Veterinary Association annual 48th scientific conference between 23rd and 26th April 2014 at Boma Inn Hotel, Eldoret, Kenya

Onzago, O. R., Kiama, S.G., Mbaria, J., Rukenya, Z., Gakuya, D. "Efficacy and Safety of *Vernonia Hymenolepis* a Plant used in Kenya for oral health. The Kenya Veterinary Association annual 48th scientific conference between 23rd and 26th April 2014 at Boma Inn Hotel, Eldoret, Kenya

Ochwang'I, D., Kimwele C. N., Oduma J. A., Gathumbi P. K., Mbaria J. M., Kiama S.G. Ethno-medicine; an alternative or complement to cancer therapy? 9th Biennial Scientific conference, Faculty of Veterinary Medicine 3rd to 5th September 2014, Upper Kabete Campus

Wambugu S. N., Mwangi P. W., Mwonjoria J., Mathiu P. M., Gakuya D. W., Kanui T. I, Kiama S.G. Antinociceptive properties of selected medicinal plants used in the treatment of chronic joint pains in Eastern Kenya. 9th Biennial Scientific conference, Faculty of Veterinary Medicine 3rd to 5th September 2014, Upper Kabete Campus

Gakuya D.W., Mbugua, P.N., Mwaniki S. M., Kiama, S.G. Muchemi G. M., Njuguna A. The effect of supplementation of *Moringa oleifera* leaf meal in layer chicken feed. 9th Biennial Scientific conference, Faculty of Veterinary Medicine 3rd to 5th September 2014, Upper Kabete Campus

The Politics of Animality in Kenyan Cultural Production, 1933-1991 by Mr. Joshua Williams, University of California, Berkeley and an Affiliated Researcher at the Wangari Maathai Institute held in March, 2014.

Climate Disruption and the Responsibility of Higher Education by Prof. Peter Blaze Corcoran, Visiting Fulbright Professor at Wangari Maathai Institute held in May, 2014.

Creating an Ever Green Agriculture in Africa for Food Security and Environmental Resilience by Dr. Dennis Garrity, Drylands Ambassador, UN Convention to Combat Desertification & Distinguished Senior Research Fellow, World Agroforestry Centre, Nairobi held in October, 2014

Multiple Perspectives of Biomass Energy and the Role of Research and Development by Dr. Mary Njenga, Post-doctoral Fellow, World Agroforestry Centre, Adjunct Assistant Professor in the Department of Geography at North Illinois University & a Visiting Lecturer at the Wangari Maathai Institute held in November, 2014.

3.00

COLLEGE OF ARCHITECTURE AND ENGINEERING

3.1 School of the Built Environment

INTRODUCTION

The School of The Built Environment offers a unique range of educational opportunities spanning the diverse range of professions involved in the planning, design, construction, development, costing, valuation and management of our environment and infrastructure.

There are opportunities within the undergraduate taught programmes for industrial placements, field trips, and practical work, which supplement the usual mix of lectures, assignments, and group work. To enrich our programmes, the School maintains close links with the needs of practice through scholarship, research and consultancy. Virtually all courses are fully recognized and accredited by the relevant professional bodies. These include Architectural Association of Kenya, Institution of Surveyors of Kenya, Institute of Quantity Surveyors of Kenya, and Kenya Institute of Planners. In addition, the Bachelor of Architectural Studies/Bachelor of Architecture course is accredited by the Commonwealth Association of Architects.

The School of The Built Environment offers professional courses in the fields of Architecture, Real Estate, Quantity Surveying, Construction Management and Planning leading to Bachelors degrees in these fields. There are also, currently seven (7) two-year postgraduate courses in Urban Management, Planning, Housing Administration, Valuation and Property Management, Construction Management, Building Management, and Architecture. The programmes are also open to self-sponsored students commonly referred to as Module II programmes. In addition, we offer a diploma course in Estate Agency and Property Management plus a postgraduate diploma in Housing Administration.

As a professional School with diverse interests and needs, we are committed to being the leading built environment teaching and research institution within the African region. In order to offer relevant, dynamic and market driven academic programmes, all the Departments within the School are currently developing new curriculum in their respective disciplines.

At the students' level, the students have established professional associations which create an avenue for linkages with built environment practitioners. The three associations are: Architectural Students' Association (ASA), Construction and Real Estate Students' Association (CRESA) and Planning Students Association (PLASA).

Academic staff members attend and present papers in international conferences and workshops. To support this process, the School organizes an annual East African Regional Workshop and Exhibition on Architecture and Urbanism. These workshops bring together academia and practitioners from the region to exchange and deliberate on contemporary architectural and urban issues. Proceedings of these workshops are normally published by the Africa Habitat Review Journal which is domiciled in the School.

The School of the Built Environment comprises of three departments namely: Architecture & Building Science, Real Estate and Construction Management and Urban and Regional Planning

PROGRAMS OFFERED

In 2014, the School offered the following programmes:

Undergraduate	Graduate	Postgraduate
Bachelor of Architecture (B.ARCH)	Master of Urban Management (MUM)	Doctor of Philosophy (Ph. D)
Bachelor of Architectural Studies (BAS)	Master of Architecture (M.ARCH)	
Bachelor of Quantity surveying (BQS)	Postgraduate Diploma in housing administration	Doctor of Philosophy (Ph. D)
Bachelor of Real Estate (BRE)	Masters degree in Construction management	
Bachelor of Construction Management (BCM)	Masters degree in Valuation & property management	
Diploma in Estate Agency & Property management	Masters degree in Housing administration	
	Masters degree in Building management	
Bachelor of Arts (Urban and Regional Planning)	Master of Arts (Planning)	Doctor of Philosophy (PhD)

ENROLLMENT

Architecture & Building Science

BAS 1 (2015/2016)	90
BAS 1 (2014/2015)	72
BAS 2	88
BAS 3	96
BAS 4	77
B.ARCH 5	58
B.ARCH 6	43
M.ARCH	13
MUM	23
PhD	6

Real Estate and Construction Management

Bachelor of Quantity Surveying (BQS)	384
Bachelor of Real Estate (BRE)	396
Bachelor of Construction Management (BCM)	230
Diploma in Estate Agency & Property Management	26

GRADUATE

Master of arts degree in Housing Administration	6
Masters degree in Construction Management	29
Masters degree in Valuation & Property Management	15

POSTGRADUATE**Doctor of Philosophy (Ph.D)**

Urban and Regional Planning

Bachelor of Arts (Urban and Regional Planning) 310**POSTGRADUATE****Master of Arts (Planning) 28****Doctor of Philosophy (PhD) 1****INTERNATIONAL STUDENTS**

In 2014, the School had an international student complement of six drawn from Rwanda, Uganda, S.Sudan, Malawi, Sudan, Tanzania.

INTERNATIONAL LINKS AND COLLABORATIONS

In 2014, the School had the following links: Oslo School of Architecture, University of California, Columbia University Link on Urban Planning, UIP/Katholic University/Columbia University Link in Nairobi Metro Concept Plan., University of Cape Town – Project on Revitalization of Planning Education in Africa.

PUBLICATIONS

SN	Title/Name of the Article	Author/s	Name of Journal/ Publications	Date of Publication
1.	Sustainable Urban Development, Product Design and Construction Management.	Prof. R. Rukwaro	Africa Habitat Review 8	2014
2.	Application of artisanal dimension stone in the building industry: factor analysis of the regulatory environment in Nairobi, Kenya. Habitat International 25 (2001) 599–615 Planning and development control through lease conditions City: analysis of urban trends, culture, theory, policy, action: The right to the city.	Dr. O. K'Akumu	Architectural Engineering and Design Management, DOI: 10.1080/17452007.2014.915511:	2014
3.	Green building design Strategies in Tropical Climates	Arch. Musau Kimeu	The Architect	Issue 2, September 2013 – March 2014
4.	Green Architecture, Aday with Architect Musau Kimeu	Arch. Musau Kimeu	Varsity Focus	December 2014
5.	Streets Heritage for Sustainable Urban Development	Robert Rukwaro	African Habitat Review 8	November 2014

6.	Streets Heritage for Sustainable Urban Development	Charles Osengo	African Habitat Review 8	November 2014
7.	Mainstreaming Indigenous Natural Fibres for Eco-Friendly African Product Design in Kenya	Samuel M. Maina	African Habitat Review 8	November 2014
8.	The Need for Database and User-Interface Systems for Urban Planning	Maurice Onyango Oyugi	African Habitat Review 8	November 2014

STAFF

In 2014, the School had the following staff complement

Professor	3
Assoc. Professor	11
Senior Lecturer	15
Lecturer	40
Assist. Lecturer	4
Tutorial Fellow	5
Graduate Assistant	5
Chief Technologist	1

GRADUANDS

In 2014, the School graduated the following numbers

Diploma in Estate Agency and Property Management	10
B. A. Land Economics	1
Bachelor of Real Estate	53
Bachelor of Quantity Surveying	43
Bachelor of Construction Management	38
Bachelor of Architectural Studies	49
Bachelor of Architecture	44
B.A. Urban and Regional Planning	47
Postgraduate Diploma in Housing Administration	28
M.A. Construction Management	3
M.A. Valuation and Property Management	1
M.A. Urban and Regional Planning	10
M.A. Urban Management	1
Master of Architecture	1
Doctor of Philosophy	1

PAPERS PRESENTED

	Paper Presented	Conference	Presenter/ Author
1	Streetscape Heritage for Sustainable Urban Development, A case of Biashara Street in Nairobi City	Eastern Africa Regional Workshop on Architecture, ADD, UoN, 11-16 August, 2014	Prof. Rukwaro
2	The Need for Database and user-Interface Systems for urban Planning	Eastern Africa Regional Workshop on Architecture, ADD, UoN, 11-16 August, 2014	Mr. M. Oyugi
3	Acoustics design of Conference facilities: The case of the LRC at CUE	Eastern Africa Regional Workshop on Architecture, ADD, UoN, 11-16 August, 2014	Arch. M. Kimeu
4	"Urban Resillience: A Conceptual Dimension	Eastern Africa Regional Workshop on Architecture, ADD, UoN, 11-16 August, 2014	Arch. Kigara Kamweru
5.	The Era of the Glass Skyscraper: Is it an Option for the Eastern Africa Climates?	Eastern Africa Regional Workshop on Architecture, ADD, UoN, 11-16 August, 2014	Arch. M. Kimeu

3.2 The School of the Arts and Design

INTRODUCTION

The School of The Arts and Design (StAD) is a constituent School of the College of Architecture and Engineering (CAE), and its mandate is to promote the tenants of design education and training focused on sustainable lifestyles, energy conservation and environmentally friendly production.

In 2014, the School comprised four thematic areas: graphic design, textile and fashion design, product and industrial design, and interior and landscaping.

PROGRAMMES OFFERED

In 2014, the School offered three degree programmes in the fields of Bachelor of Arts in Design, Master of Arts in Design, and a PhD in Design with specializations in Graphic Design, Interior Design, Fashion Design, Product Design, and Illustration.

ENROLMENT

In 2014, the School had an undergraduate student population of 312, 15 Masters Students and 3PhD students.

INTERNATIONAL LINKS AND COLLABORATION

In2014, the School had the following links:

Link	Type
University of Zurich Switzerland dia. Collaboration of Design School of	E-learning – (Design Students) through digital me-
UON Zurich University. Beijing-Nairobi International Design and Innovation Centre	activities in progress.
Cape Peninsular University, Cape Town	Planning meeting linked to DDR conference

STAFF

In 2014, the School had the following staff complement:

Senior Lecturer	1
Lecturer	7
Tutorial Fellow	3
Asst.lecturer	1
Graduate Assistant	2
Chief Technologists	1

GRANDUANDS

In 2014, the School graduated the following numbers:

Undergraduate	46
Postgraduate	5

3.3 School of Engineering

The School of Engineering is comprised of five departments namely: Department of Civil and Construction Engineering, Department of Electrical and Information Engineering, Department of Mechanical and Manufacturing Engineering, Department of Environmental and Biosystems Engineering and Department of Geospatial and Space Technology.

PROGRAMMES OFFERED

In 2014, the School offered a five year undergraduate study programme leading to a Bachelor of Science degree in the respective fields of study. It also offered Master of Science degrees running for two years as well as PhD programmes

ENROLMENT

In 2014 the School enrolled the following numbers:

BSc Electrical and Electronics Engineering	831
BSc Civil Engineering	860
BSc Mechanical Engineering	713
BSc Biosystem Engineering	241
BSc Geospatial Engineering	231
Master Science programme	123
PhD	10



INTERNATIONAL LINKS AND COLLABORATIONS

In 2014, the School had the following links and collaborations: -

The Department of Civil and Construction Engineering had links with the Department of Geography and Environmental Engineering-John Hopkins University, Department of Geography at the University of Helsinki, Department of Environmental Health, safety and Emergency management (EHSEM) -Harvard University, Africa Biofuel and Emission Reduction (East Africa) Ltd, EURA Innovation GmbH.

Food and soft laboratory, ETH Zurich, Department of health science SWITZERLAND, Biofuel Africa, University of Siegen – Germany, Department of Agri-Food Science and Technology - University Of Bologna (EDULINK II) on Energy-agro food synergies in Africa: New Educational Models for Universities,

African Materials Science & Engineering Network (AMSEN), involving four universities (University of Witwatersand, University of Botswana, University of Namibia and Federal University of Technology – Nigeria –FUTA), National University of Science and Technology – Taiwan, Nagoya University – Japan.

INTERNATIONAL STUDENTS

In 2014, the School had an international student component of 30.

GRADUANDS

In 2014, the School graduated the following numbers

BSc Electrical and Electronics Engineering	198
BSc Civil Engineering	138

BSc Mechanical Engineering	70
BSc Environmental Biosystem Engineering	45
BSc Geospatial Engineering	34
Postgraduate Diploma	1
Master of Science programmes	30

PUBLICATIONS

Siriba, D. N., Mwenda, J. N. and Dalyot, S. (2014). Time-enabled two-dimensional digital cadastre: Case of the Kenyan cadastre, <<http://www.ingentaconnect.com/content/maney/sre/2011/00000043/00000323/art00003>> South-Eastern European Journal of Earth Observation and Geomatics, vol. 3, no. 1s, pp. 109 -121.

Nthuni S. M., Tillmann Lübker and Gertrud Schaab, (2014). Modelling the potential of rainwater harvesting in western Kenya using remote sensing and GIS techniques: South African Journal of Geomatics, Vol. 3, No. 3, November 2014

Odera, P. A.; Musyoka, S.M. and Gachari, M.K.; Practical application of the geometric geoid for lighting over Nairobi County and its environs. JAGST, Volume 16(1) 2014.

Oyugi, M. O. and Karanja F.N., (2014), Sustainable Urban Development, Product Design and Construction Management: The need for Database and User-Interface Systems for Urban Planning. Africa Habitat Review Journal, 8(8): pp.653-665

C.Kigen and N.A Odero, March 2014, Voltage Controller for Radial Distribution Networks with Distributed Generation. International Journal of Scientific and Research Publications, Volume 4, Issue 3, March 2014 ISSN 2250-3153

Rop, K.V., Konditi, D.B.O., Ouma H.A., Musyoki, S., March 2014, Application of Adaptive Neuro-Fuzzy Inference System Technique in Design of Rectangular Microstrip Patch Antennas, Journal of Agriculture, Science and Technology (JAGST), 2013, No.1 Vol 15 pp147~160, ISSN 1561-7645 (online).

N.A Odero (May 2014): The Dependency of Bus Voltage and Frequency in Load Shedding Sustainable Research and Innovation (SRI) Conference, JKUAT, May 2014, pp 31 – 34

Ombati, E.; Oduol, V. K.; Musyoki, S (July 2014) Performance analysis of FIFO priority and weighted-fair packet queuing mechanisms in manet <http://ir.kabarak.ac.ke/handle/123456789/409>

Erac Ombati Momanyi, V. K. Oduol, S. Musyoki (July 2014) First In First Out (FIFO) And Priority Packet Scheduling Based On Type Of Service (TOS): <http://www.iiste.org/Journals/index.php/JIEA/article/view/14286>

W. Mureithi, K. Langat, V. Oduol (September 2014), Using UNII-3 (Wi-Fi) Frequencies to Establish Long Distance Point-to-Point Links Capable of Providing Broadband Internet Access to Rural

Areas: Experimental

Validation. <http://www.iiste.org/Journals/index.php/ISDE/article/view/16489>

B. O. Odera, M. J. Papo, R. Couperthwaite, G.O Rading, L A. Cornish, D. Billing (2014) High order addition to platinum-based alloys for high temperature application. SA IMM

Apata OA, Muobeleni T. N., Fabuyide A. A., Ogunmuyiwa E. N., Rading G. O., Jain P. K., Witcomb M. J. And Cornish L.A (2014) Developmental Solidification projection, liquidus surface projection and isothermal section at 10000C for the Pt-Cr-V System. Journal of Phase Equilibria and Diffusion Vol.35 No 4

PAPER PRESENTATIONS

P.L.Onundo and N.A. Odero (September 2014) Solution to Economic Load Dispatch Using Particle Swarm Optimization (PSO), Kenya Society of Electrical and Electronic Engineers (KSEEE) 2014, International Engineering Conference, Technical University of Mombasa.

Chege, S, and G. Kamucha (September 2014) Design and implementation of a low cost high bandwidth sampling bridge: 10th Annual International Conference at Moi University.

Ahmed A Sayyid and M. N. Gitau (November 2014) High-Power Fault-Tolerant and Multiple Independent Loads LED Driver, IECON 2014 – 40th Annual Conference of IEEE Industrial Electronics Society, Dallas Texas.

RESEARCH ACTIVITIES

Prof. J Mwangi Mbuthia, Smart Monitoring, Billing and Control for Pro-Poor Access to Energy Services, EU, ESCOBox 3 years (2013-2016) Sterling 195,651

Prof. Heywood OumaAbsaloms : Experiment with scaling up the use of Raspberry PI or equivalent low-cost computers as a student owned teaching lab for engineering Kenya Education Network(KENET) , USD 10,000 RaspberryPIMini-grant9 months (Feb-Oct 2015)

Mulaku, G.C.;The Kenyan Cadastre and Spatial Data Infrastructure.

Musyoka, S.M.;Modernization of the Kenyan Geodetic Network.

Macoco, D.K.; Challenges in Indoor Positioning

Karanja, F.N.; Earth Observations for Natural Resource Management,Gender –Disaggregate Spatial databases and Applications, Application ofGIS in Poverty Reduction.

Wakoli , P.C. ; Application of Photogrammetry to Detection & Monitoring of Structural Deformations.

Okumu, B. M. Impact of geo - referencing on demarcated large cooperative society farms

NBCBN Project: 'Integrating climate change uncertainty to the development of the Nile basin'' (ICCU-D-NILE)

CORPORATE SOCIAL RESPONSIBILITY

The Department of Electrical and Information Engineering contributed 100,000/- from Module II resources towards the needy students fund.In addition one needy student from the department of Electrical and Information Engineering was engaged to manage the departmental website on a monthly stipend, again through the Principal CAE's office.



3.4 Institute of Nuclear Science & Technology

The Institute of Nuclear Science and Technology is a Unit within the College of Architecture and Engineering. It offers training in nuclear technology and energy studies. In particular it offers training in radiation science and renewable energy. The Institute also offers training in Non-Destructive Testing (NDT). The recent interest in nuclear electricity by the government has greatly improved the Institute's profile.

PROGRAMMES OFFERED

The Institute offered a master of science degree course in nuclear science. It also offered a diploma course in radiation protection and certificate courses in applied radiation protection and renewable energy.

ENROLMENT

In 2014, the Institute enrolled the following number of students:

MSc (Nuclear Science)	19
PhD	1

INTERNATIONAL LINKS AND COLLABORATIONS

In 2014, the Institute had links and collaboration with the following institutions/organizations:

The International Atomic Energy Agency (IAEA-Vienna, Austria), International Science Programme (ISP-Uppsala, Sweden), International Finance Cooperation, International Centre for Research in Agroforestry, National Commission for Science Technology and Innovation, Kenya Nuclear Electricity Board, Kenya Bureau of Standards, University of Macmaster (Ontario, Canada), Gothenburg & Stockholm Universities (Sweden).

PUBLICATIONS

S. M. Gaita¹, J. Boman¹, M. J. Gatari², J. B. C. Pettersson¹, and S. Janhäll³

Source apportionment and seasonal variation of PM_{2.5} in a Sub-Saharan African city: Nairobi, Kenya

Laura Borgese^a, Fabjola Bilo^a, Kouichi Tsuji^b, Ramón Fernández-Ruiz^c, Eva Margui^d, Christina Strelie^e, Giancarlo Pepponi^f, Hagen Stosnachg, Takashi Yamada^h, Peter Vandenabeeleⁱ, David M. Mainaj, Michael Gatarij, Keith D. Shepherd^k, Erick K. Towett^k, Leonardo Bennun^l, Graciela Custom, Cristina Vasquez^m, Laura E. Depero, a First Total Reflection X-Ray Fluorescence round-robin test of watersamples: Preliminary results.

KilaviPamellaKageliza^{1, *}, Maina DavidMuchori¹, GichuruMichael Gatari¹,

Wagner Annmarie², Adeleye Michael³ Determination of Mn, Fe, Cu and Zn in indigenous complementary infant flour from Kenya by total-reflection x-ray fluorescence

Wilson M. Kairu, Michael M. Gatari, David M. Maina, John K. Birir, Michael L. Muia (2014), Measurement of compressive strength and rebar parameters of reinforced concrete in buildings in Nairobi, Kenya.

CONSULTANCIES

The Institute had a consultancy with the International Finance Cooperation to analyse on quality of imported LED lamps at the Lighting laboratory. The Institute also does consultancies sample analysis for heavy metal determination.

STAFF

In 2014 the Institute had the following staff complement:

Senior Lecturer	2
Lecturer	1
Tutorial Fellow	1
Graduate Assistant	1
Principal Technologist	1
Chief Technologists	1

PAPERS PRESENTED

Mr. David Maina, Senior Lecturer, attended European X-ray Fluorescence Spectroscopy (EXFS 2014) Conference in Bologna, Italy, 15 – 21 June 2014. He was sponsored by International Science Programme, Sweden. He presented a paper on “Characterization of Maumbo Region Soils in Kwale County, Kenya: Application of X-ray Fluorescence”.

In 2014 the Institute graduated the following numbers:

Postgraduate	3
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RESEARCH ACTIVITIES

The Institute carried out research in several areas related to radiation science and energy studies. These studies can be broadly classified into Environmental radiation measurements, Trace element determination in various matrices, Environmental pollution studies – air measurement, Non destructive evaluation, Renewable energy.

The following specific ongoing research projects were undertaken in 2014

The International Atomic Energy Agency (IAEA) supported Technical Cooperation project, coded KEN/1/1004 titled: “Establishment of an NDT Laboratory at the Institute of Nuclear Science & Technology at the University of Nairobi for Training of Research and Service Provision in the Field of NDT Applications”.

The project in collaboration with Stockholm University, titled: “Application of Carbon Isotope in Apportionment of Nairobi Black Carbon Source”.

The project in collaboration with University of Gothenburg, titled: “Studies of Air Quality and Atmospheric Aerosols in Kenya”.

Applied Radiation Project, a collaboration between INST with Macmaster University, Ontario, Canada.

High Altitude Atmospheric Research Project, cooperation with EvK2CNR, Bergamo, Italy.

Collaborative Research with Brescia University, Brescia, Italy.

University of Applied Sciences, Thesis Experimental Collaboration Project, Leeuwarden, The Netherlands.

4.1 School of Mathematics

PROGRAMMES OFFERED

In 2014, the School offered courses at undergraduate and postgraduate levels as follows:

- B.Sc. Actuarial Science
- B.Sc. Mathematics
- B.Sc. Statistics
- PhD. Mathematical Statistics
- PhD. Biometry
- PhD. Social Statistics
- PhD. Pure Mathematics
- PhD. Applied Mathematics
- PhD. Operation Research
- PhD. Actuarial Science & Financial Mathematics
- M.sc. Actuarial Science
- M.sc. Biometry
- M.sc. Social Statistics
- M.sc. Statistics
- M.sc. Applied Mathematics
- M.sc. Pure Mathematics
- PGD Actuarial Science

ENROLLMENT

In 2014, the School enrolled the following numbers

B.Sc. Actuarial 1st Year	445
B.Sc. Mathematics	106
B.Sc. Statistics	171

POSTGRADUATE

PGD Actuarial Science	04
M.Sc. Actuarial Science	13
M.Sc. Biometry	11
M.Sc. Statistics	
M.Sc. Applied Mathematics	41
M.Sc. Pure Mathematics	5
Ph.D.	16

STAFF

In 2014, the School had the following staff complement

Professor	3
Associate Professor	6
Senior lecturer	8
Lecturers	21
Tutorial Fellow	9
Graduate Assistant	1
Technologist	2

GRADUANDS

In 2014, the School graduated the following numbers

B.Sc. Actuarial Science	94
B.Sc. Mathematics	30
B.Sc. Statistics	34
M.sc. Actuarial Science	10
M.sc. Biometry	7
M.sc. Social Statistics	10
M.sc. Statistics	5
M.sc Applied Mathematics	2
M.sc. Pure Mathematics	2
PGD Actuarial Science	15
Ph.D.	4

University of Sussex Awards Ph.D scholarship to a School of Mathematics Ph.D Student
Mr. Benard Kipchumba

INTERNATIONAL LINKS AND COLLABORATIONS

In 2014, the School maintained the following links: East African Universities Programmes, North-South Higher Education Network Programme



International Congress of Mathematicians (SEOUL ICM 2014) took place at COEX, in Seoul, Republic of Korea, during August 13 – 21, 2014. A total of 5,217 registrants and 21,578 non-registered visitors participated in the Congress. The Opening Ceremony on the 13th marked the beginning of this global festival of mathematicians, L to R: Prof. Wandera Ogana, Dr. Josephine Kagunda, Ms. Margaret Gathogo and Ms. Beth Kiratu



Excelsior group recruitment meeting with students from the School of Mathematics

4.2 School of Physical Sciences

INTRODUCTION

The School of Physical Sciences (SPS) is located in Chiromo Campus. It is composed of the following departments of Chemistry, Geography and Environmental Studies, Geology, Meteorology and Physics. The department of Geography and Environmental Studies is however housed at the main Campus for administrative reasons. The School offers several programmes that cater for the changing needs of the society.

PROGRAMMES OFFERED

In 2014, the School offered the following programmes:

- Bsc. Science
- B.Sc. in chemistry options
- M.Sc. in Chemistry option
- Ph.D (chemistry)

BACHELOR OF SCIENCE (GEOLOGY)

- Bachelor of Science (Environmental Geoscience)
- Bachelor of Science (Petroleum Geoscience)
- MSc –Geology with options
- Postgraduate Diploma in Environmental and Natural Disaster Management
- B.sc Microprocessor Technology and Instrumentation.
- Astronomy and astrophysics
- M.sc Physics
- PhD physics
- B.Sc. in Meteorology;
- B.Sc. (Atmospheric Science Option);
- Postgraduate Diploma (PGD) in Meteorology;
- PGD in Aviation Meteorology;
- PGD in Operational Hydrology;
- M.Sc. with options in Meteorology;
- PhD in Meteorology;

ENROLLMENT

In 2014, the School enrolled the following numbers:

20-Bachelor of science	917
I20M3-Bachelor of science	12
BSc Chemistry	108
BSc. Analytical chemistry	17
BSc. Industrial chemistry	137
M.Sc. Chemistry	21
M.Sc. in Environmental Chemistry	39
BSc. Industrial chemistry	137
M.Sc. Chemistry	21
M.Sc. in Analytical Chemistry	20
M.Sc. Chemistry	21
Ph.D. in Chemistry	8
BSc. Geology	219
BSc. Petroleum Geoscience	9
MSc. Geology	21
B.sc Microprocessor Technology and Instrumentation	114
Bsc. Astronomy and astrophysics	62
Msc physics	24
PhD Physics	2
BSc in Meteorology	
BSc in Meteorology(ODL)	
PGD in Meteorology	4
PGD in Operational Hydrology	2
MSc in Meteorology	15
MSc in Aviation Meteorology	2
MSc in Climate Change	30
PhD in Meteorology	13

INTERNATIONAL STUDENTS

In 2014, the School had an international students compliment of 57 drawn from Botswana, Ethiopia, Namibia, Rwanda, South Sudan, Malawi, among others.

PUBLICATIONS

- S. Derese, L.Barasa, H.Akala, A. O. Yusuf, M. Heydenreich and A. Yenesew (2014). "4'-Prenyloxyderrone from the stem bark of *milletia oblate* ssp. *teitensis* and the antiplasmodial activities of isoflavones from some *milletia* species" *Phytochemistry Letters*, 6 (2), p. 69-72.
- A.Yusuf, P. Gitu, B. Bhatt, M. Njogu, A.Salim and D. Orata (2014). "1-Tetralinyl as carboxamide protecting group for asparagines and application to N-alpha-t-butylloxycarbonyl (Boc) solid-phase peptide synthesis of oxytocin". *Journal of Chemistry and Materials Research*, 6 (2), p 1-11.
- D. Orata, Y. Amir and C. Ninneza (2014). "Derivatized electrodes in the electroanalysis of pyrimethamine and/or 2-sulfanilamido-3-methoxy pyrazine (metakelfin) and lumefantrine / artemether (Coatem)" *Journal of Chemistry and chemical engineering*, 8, p. 215-225.
- A.Yusuf, P. Gitu, B. Bhatt, M. Njogu, A.Salim and D. Orata (2014). "Solid-Phase Peptide Synthesis of Arginine-vasopressin With Amide Side chain of Asparagine Protected With 1-Tetralinyl Group. *Journal of Chemistry and materials research*, 6 (4), p 60-65.
- D. Orata, Y. Amir, .C. Nineza, D. Mbui and M. Mukabi (2014). "Surface modified electrodes used in cyclic voltammetric profiling of quinine, as antimalarial drug". *IOSR Journal of Applied Chemistry*, 7(5, ver. II), p 81-89.
- D. Orata, Y. Amir, .C. Nineza, and M. Mukabi (2014). "Electrochemical characterization of amoxicillin, a broad spectrum antibiotic on a bentonite host matrix, using cyclic voltammetry". *IOSR Journal of Applied Chemistry*, 7(5, ver. III), p 50-58.
- D. Orata, Y. Amir, .C. Nineza, D. Mbui and M. Mukabi. (2014). "Surface modified electrode used in the electroanalysis of N-acetyl p-aminophenol-A pharmaceutical drug" *IOSR Journal of Applied Chemistry*, 7(5, ver. II), p 90-99.
- D.Orata, Y. Amir and .C. Nineza (2014). "Electroanalysis of unconventional (herbal) drugs using surface modified electrodes in conjunction with cyclic voltammetry". *IOSR Journal of Applied Chemistry*, 7(5, ver. II), p 56-62.
- D.Orata, H. Njenga, M. Mukabi, Y. Amir and D. Mbui (2014). "Polyaniline and polythiophene modified electrodes in energy storage units with hydrocarbon gel/bentonite/sodium chloride as electrolyte gel". *IOSR Journal of Applied Chemistry*, 7(5, ver. II), p 63-80.
- D. Orata, M. Mukabi, H. Njenga and Y.Amir (2014). "Electro-characterization of polypyrrole electrosynthesized on a montmorillonite host-matrix, in aqueous media containing sulphuric acid as supporting electrolyte". *IOSR Journal of Applied Chemistry*, 7(5, ver. III), p 59-72.
- D. Orata, H. Njenga, M. Mukabi and Y.Amir (2014). "Sodium thiosulphate, a novel electrocatalyst in the electrosynthesis of electronically conducting polymer-polythiophene" *IOSR Journal of Applied Chemistry*, 7(5, ver. III), p 73-85.
- P. Akenga, A. Salim, A. Onditi and A. Yusuf (2014). "Determination of selected micro and macronutrients in sugarcane growing soils in Kakamega North District, Kenya" *IOSR Journal of Applied Chemistry*, 7(7, ver. I), p 34-41.
- Riungu, A.M. Salim, J. Njenga, A. Yusuf and W. Waudo (2014). "Bioethanol production from waste crops and crop residues" *IOSR Journal of Applied Chemistry*, 7(7, ver. I), p 42-47.
- Mwazighe F, Kamau G. and Mwaniki J. (2014). "Anaerobic Digestion of Sewage Wastewaters with Sludge and Rumen Fluid", *European International Journal of Science and Technology*, 3, Pg 6
- Njeri R. and Kariuki D.K. (2014). "Effect of Foliar Fertilizer Application on Quality of Tea (*camara sinensis*) Growth in the Kenyan Highlands", *American Journal of Plant Sciences*, 5, p
- Mbui, D. and Kamau, G. (2014). "Adsorption of Dursban (Chlorpyrifos) pesticide by loam soil from Limuru, Kenya, Apparent Thermodynamic Properties", *African Journal of Physical Sciences*, 1, p 1
- Kariuki D.K. and Kerubo L. (2014). "Antibacterial activity of five medicinal plant extracts used by Maasai people of Kenya", *International Journal of Humanities, Arts, Medicine and Sciences*, 2, p 1-6

- Michira I.N., Katithi D.N., Guto P.M., Kamau G.N., Baker P. and Iwuoha E. (2014). "Synthesis, characterization of green tea stabilized iron nanoparticles and their synergistic effect on polyaniline", *International Journal of Sciences*, 13 (2), p 63-76
- Katithi D.N., Michira I.N., Guto P.M., Baker P.G.L., Kamau G.N. and Iwuoha E. (2014). "Green synthesis of iron nanoparticles on chamomile in-built templates", *European International Journal of Applied Sciences and Technology*, 1 (5), p
- Wandiga S.O., Abong'o D., Madadi V., Kynin H. and Jumba I. (2014) "Pesticides on human health and the environment in the River Nyando catchment, Kenya", *International Journal of Humanities, Arts, Medicine and Sciences*, 2(3), p. 1-14
- Tum P.K. and Oduor F.D.O. (2014) "Effects of calcinations temperature on TiO₂ photocatalyst morphology", *J. Kenya Chemical Society*, 8(1), p. 26-32
- Muiva-Mutisya , B. Macharia, M. Heydenreich, A. Koch, H. M. Akala, S. Derese, L.K. Omosa, A. O. Yusuf, E. Kamau and A. Yenesew. (2014). 6-Hydroxy-7-toxicarol and (+)-Tephrocin with antiplasmodial activities from *Tephrosia* species. *Phytochemistry Letters* 10, 179–183.
- I. Gumula, J. P Alao, I. .Ndiege, Per Sunnerhagen, A. Yenesew and M. Erdélyi (2014). Cytotoxic and Antioxidant Flemingins G-P from the Leaves of *Flemingia grahamiana*. *Journal of Natural Products* 77, 2060-2067.
- Irungu, B.N., Orwa, J.A., Gruhnojić, A., Fitzpatrick, P., Landberg, G., Kimani, F., Midiwo, J.O., Erdélyi M., Yenesew, A. (2014). Constituents of the roots and leaves of *Ekebergia capensis* and their potential antiplasmodial and cytotoxic activities. *Molecules* 19, 14235-14246;
- Atilaw Y., Heydenreich M., Ndakala A., Akala H.M., Kamau E. and Yenesew, A. (2014). 3-Oxo-14,15-epoxyschizogyne: A new schizogyne indoline alkaloid from *Schizogyne coffaeoides*. *Phytochemistry Letters*. 10, 28-31.
- Odhiambo L., Dossaji S., Lukhoba C. and Yenesew A. (2014). Phytochemical screening of *Dierama cupuliflorum* Klatt. (Iridaceae). *Journal of Pharmacy Research* 8, 589-592.
- Bosire C.M., Deyou T., Kabarou J.M., Kimata D.M. and Yenesew A. (2014). Larvicidal activities of extracts and rotenoids from *Millettia usaramensis* subspecies *usaramensis* on *Aedes aegypti* (Linnaeus, 1762) (Diptera: Culicidae). *Journal of Asia-Pacific Entomology* 17, 531-535.
- Abdissa N., Heydenreich M., Midiwo J.O., Ndakala A., Majer Z., Neumann B., Stammeler H.-G., Sewald N. and Yenesew A. (2014). 8-Hydroxy-6-methylxanthone-1-carboxylic acid and 6',8-O-dimethylkniphofone from the roots of *Bulbine frutescens*. *Phytochemistry Letters* 9, 67-73.
- Abdissa N., Induli M., Fitzpatrick P., Alao J.P., Sunnerhagen P., Landberg G. Yenesew A. and Erdelyi, M. (2014). Cytotoxic Quinones from the Roots of *Aloe dawei*. *Molecules*. 19, 3264-3273.
- Derese S., Barasa L., Akala H.M., Yusuf A.O., Kamau E., Heydenreich M. and Yenesew A. (2014). 4-O-Prenyloxiderrone from the stem bark of *Millettia oblata* ssp. *teitensis* and the antiplasmodial activities of isoflavones from some *Millettia* species. *Phytochemistry Letters* 8, 69-72.
- L. K. Omosa, B. Amugune, B.Ndunda, Trizah K., T. K. Milugo, M. Heydenreich, A.Yenesew and J.O. Midiwo (2014). Antimicrobial flavonoids and diterpenoids from *Dodonaea angustifolia*. *South African Journal of Botany*. 91, 58-62.
- Kithure J.G.N., Murungi J.I., Wanjau R.N. and Thoruwa C.L. (2014). Analysis of Deltamethrin Residue amounts using HPLC in some vegetables consumed in a Rural area-Makuyu, Kenya. *The IJST Journal* Volume II. Issue XII.
- C. Onyancha, Nyamai CM. (2014) "Lithology and Geological Structures as controls in the Quality of Groundwater in Kilifi County, Kenya." *British Journal of Applied Science & Technology*. 4(25)
- Zephania Birech , Markus Schwoerer, Teresa Schmeiler, Jens Pflaum and Heinrich Schwoerer Ultrafast dynamics of excitons in tetracene single crystals *Journal of Chemical Physics* 140, 114501 (2014)

RESEARCH

In 2014, research groups in the Department of Physics were involved in various activities including:

There are six research groups in the department of physics which include: Condensed matter physics, applied electronics, geophysics, laser physics and spectroscopy, applied nuclear and radiation physics. theoretical physics

Research activities in the department of metrology included: climate variability and predictability using statistical, General Circulation Models (GCMs) and Regional Climate Models (RCMs), development of indices for monitoring and prediction of climate variability in Eastern Africa region.

Other specific research is indicated in the table below:

RESEARCHERS	TITLE OF RESEARCH	DEPARTMENTS	SPONSOR
NJ Muthama J.M. Ininda W.B. Masieyi D.N. Kariithi	Atmospheric Resources Modeling Centre	Department of Meteorology, UON & Kenya Meteorological Services	Department of Meteorology, UON & Kenya Meteorological Services
AO Opere	Nile basin Project-Adapting to climate change induced water stress in the Nile River Basin; WP1: Comprehensive Assessments	Department of Meteorology	UNEP (Small Scale Funding)
NJ Muthama JN Mutemi BK Mutai S. Aura	Sensitization of the communities in Kibwezi on the use of weather and climate information for the enhancement of food security	Department of Meteorology, & Kenya Meteorological Services	African Institute for Capacity Development (AICAD)
GO Ouma CB Lukorito	Enhancing the Kenyan capacity on climate risk reduction and climate change adaptation for sustainable agricultural productivity and food security	Department of Meteorology, UON	Regional Universities Forum for Capacity Building in Agriculture

INTERNATIONAL LINKS AND COLLABORATIONS

The School had the following international links and collaborations:

Through the following Department of Chemistry, the State University of New York, Binghamton –UoN linkage; Grand Challenges Canada and Volkswagen Stiftung; Institute of Chemistry, University of Potsdam, Germany; Department of Chemistry, University of Gothenburg, SE-412 96 Gothenburg, Sweden.

Through the Department of Geology, Chinese Earthquake Administration, Norwegian Petroleum Academy, Schlumberger Oilfield Services Limited, University of Ghent, Belgium, Arcetormettal Ltd, Liberia , Akita University, Japan

Through the Department of Meteorology, East African Community (EAC), Food Security and Nutrition Analysis Unit (FSAU-Somalia) , Friend of River Nile , Nile Basin Research Programme, NBRP , Somalia Water and Land Information Management, SWALIM , Universite De Bourgogne (France) , Climate Research Centre (CRC), World Meteorological Organization (WMO) Unesco Chair- Water Resources Sudan, UNESCO-CWR of Sudan and IGAD Climate Prediction and Application Centre (ICPAC). ICPAC provides industrial attachment and research facilities to students.

STAFF

In 2014, the School had the following staff complement

Professor	15
Associate Professor	18
Senior Lecturer	34

Lecturers	39
Tutorial Fellows	17
Assistant Lecturer	2
Graduate Assistants	5
Principal Technologist	2
Chief Technologist	2

GRADUANDS

In 2014, the School graduated the following numbers:

BSc Industrial Chemistry	29
BSc Analytical Chemistry	2
MSc In Chemistry	12
MSc Environmental Chemistry	2
MSc Industrial Chemistry	1
Ph.D in Chemistry	5
Bachelor of Science in Geology	48
MSc Geology	6
BSc microprocessor technology and instrumentation	23
BSc Astronomy and astrophysics	14
MSc Physics	3
Bachelor of Science in Meteorology	33
Postgraduate Diploma in Meteorology	12
Postgraduate Diploma in Operational Hydrology	1
MSc in Meteorology	2
MSc in Aviation Meteorology	1
MSc in Climate Change	8
PhD	1

4.3 Centre for Biotechnology and Bioinformatics (CEBIB)

The Centre for Biotechnology and Bioinformatics, is a shared research facility to facilitate and strengthen research, capacity building and generate marketable products through exploitation of biotechnology and bioinformatics. CEBIB is the only institution of its kind currently offering post-graduate training in biotechnology and bioinformatics in the Eastern and Central African Region.

PROGRAMMES OFFERED

In 2014, the Centre offered the following degree programmes Master of Science in Biotechnology, Master of Science in Bioinformatics, and a PhD in Biotechnology

ENROLLMENT

In 2014, the Centre enrolled six postgraduate students.

INTERNATIONAL STUDENT COMPONENT

In 2014, CEBIB had two international students.

NEW RESEARCH GRANTS

In 2014, the Centre secured one new research grant of USD 64978 from the Regional Universities Forum for Capacity Building in Agriculture (RUFORUM). Through this grant, an amount will go towards partial scholarship of two Masters Students and the rest towards carrying out research.

INTERNATIONAL LINKS AND COLLABORATIONS

In 2014, CEBIB collaborated with the following organisations.

INSTITUTION	KIND OF LINK	BENEFIT TO UON	NO OF STUDENTS TRAINED
KEMRI/WELCOME TRUST	Collaboration	Sub-Award, Staff support (APO), Provision of equipment	8
University of Manitoba-KEMRI-UNITID-CEBIB	Collaboration	Student and Staff exchange, Training of CEBIB Students, Use of Collaborator labs.	6
African Biomedical Centre (ABC)	Collaboration	Provision of laboratory equipment	2
Ben Gurion University, Israel	Collaboration	Molecular Diagnostics and antibody research and training	1 (Staff)
Denver Foundation, USA/University of Colorado	Collaboration, Sub-Award	Full Research costs for Training 2 MSc students covered	2
University of Melbourne, Australia	Collaboration	Joint Grant applications, student and staff exchange	
Centres for Disease Control (CDC)	Collaboration	Student and Staff exchange, Training of CEBIB Students, Use of Collaborator labs.	1
Inqaba biotech, South Africa	Collaboration	Joint implementation of Short term Hands-on training	44
ILRI BecA	Collaboration	Student and Staff exchange, Training of CEBIB Students, Use of Collaborator labs.	1
Biozeq-Kenya Ltd	MoU Development	Equipment placement	
MCDC	Collaboration	Capacity Development	

PUBLICATIONS

Ochola-Oyier LI, Okombo J, Mwai L, Kiara S, Pole L, Tetteh KK, Nzila A, Marsh K. The MSPDBL2 codon 591 polymorphism is associated with lumefantrine in vitro drug responses in Plasmodium falciparum isolates from Kilifi, Kenya. Antimicrob Agents Chemother, 2014. In press.

Kiboi D, Irungu B, Orwa J, Kamau L, Ochola-Oyier LI, Ngángá J, Nzila A. Piperaquine and Lumefantrine Resistance in Plasmodium berghei ANKA associated with Increased Expression of Ca²⁺/H⁺ antiporter and Glutathione Associated Enzymes. ExpParasitol, 2014; 147:23–32

Okombo J, Kamau AW, Marsh K, Sutherland CJ, Ochola-Oyier LI. Temporal Trends in Prevalence of Plasmodium falciparum Drug Resistance Alleles over Two Decades of Changing Antimalarial Policy in Coastal Kenya. Int J. Parasitol, 2014; 4:152–163.

STAFF

In 2014, CEBIB had the following staff complement:

Associate Professor	1
Senior Lecturer	1
Lecturer	1
Senior Technician	1

GRADUANDS

In 2014, CEBIB 11 post graduate students graduated from CEBIB.

4.4 Institute for Climate Change and Adaptation

PROGRAMS OFFERED

In 2014, the following academic programmes were offered at the Institute:

- MCCA. in Climate Change Adaptation
- PhD in Climate Change Adaptation

ENROLMENT

In 2014, the Institute enrolled the following numbers:

MCCA in Climate Change Adaptation	22
PhD in Climate Change Adaptation	23

INTERNATIONAL STUDENT COMPONENT

In 2014 the Institute had an international student component of seven drawn from Korea, Malawi, Ghana, Uganda, Rwanda and Liberia.

INTERNATIONAL LINKS AND COLLABORATIONS

The Institute had a collaboration with TRECCA Africa (Transdisciplinary Training for Resource Efficiency and Climate Change Adaptation in Africa) that offers doctoral and master's training to 80 postgraduate students in Africa at

seven leading African Universities to provide the next generation of academics and professionals who will be able to address an interlocking set of real challenges for Africa's future development: climate change and resource depletion.

Partner institutes in the TRECCA Africa programme are:

- University of Nairobi (through the Institute for climate Change)
- University of Ghana, Legon
- University of Nigeria, Nsukka
- University of Botswana
- University of Mekelle
- University of Dar –es-salaam, Tanzania
- Stellenbosch University (Coordinating institution)

Climate Impacts Research Capacity and Leadership Enhancement (CIRCLE) in sub Sahara Africa

The programme consists of one year Fellowships to be awarded for research on impact of climate change in Africa, with up to 100 fellowships funded over four years; 40 post-MSc researchers and 60 post-doctoral researchers.

Fellowships are specifically targeted at early career researchers in African institutions.

Prospective fellows are nominated from African Institutions with plans to develop their research and training in climate impact research and hosted by leading African universities and research institutions in the field. Upon completion, fellows will then return to their home institutions to help develop the research and training capacity.

The CIRCLE programme will improve research skills in early career African scientists through experiential learning under the guidance and mentorship of senior African researchers.

The 5-year programme will also provide support and training to develop the institutional research capacity of participating institutions with quality assurance support on research career training from reputable advanced research institution.

STAFF

In 2014, the Institute had the following staff complement:

Professor	1
Associate Professor	1
Senior Lecturer	1
Lecturer	1
Tutorial Fellow	2

PAPERS PRESENTED

The following papers were presented by the indicated members of staff from the department in conferences and other academic forums.

NAME/S	TITLE	CONFERENCE	VENUE/DATE
Prof. Daniel O. Olago & Prof. Shem Wandiga (2014). Institute for Climate Change & Adaptation (ICCA) And Department of Geology, University of Nairobi, Kenya	Bridging Science and Policy to Enhance Water Security in Africa and the Americas: Workshop #1	Network of Academies of Science (IANAS) & Network of African Academies of Science (NASAC)	Panama City, Panama. October 15th to 18th
Prof. D. Olago	Paper presented: Climate Change Impact, Risks and Vulnerability, Mitigation and Adaptation Strategies in Kenya.	CAAST-Net Plus East Africa Regional Workshop on Climate Change Research Collaborations	

CORPORATE SOCIAL RESPONSIBILITY

ICCA STUDENTS ATTEND FIELDWORK IN WAMBA

Students in the Second Cohort PhD attended the fieldwork module from September 8th -12th, 2014. The Institute emphasizes that students should have practical experience of working with a vulnerable community in order for them to fully understand and work on tangible solutions to the problems of adaptation. The team leading the fieldwork were Prof. Nicholas Oguge, Director, Center for Advanced Studies in Environmental Law and Policy (CASELAP) and ICCA Associate, Prof William Ogara, Director Center for International Links and Programmes and ICCA Associate, Eunice Boruru, Associate, Institute for Climate Change and Adaptation and Esther Wainaina, Administrator, Institute for Climate Change and Adaptation.

While at the site, the students decided to give back to the community. They contributed and bought lunch for all the community members. The students contributed Kshs 5000 to the women's group in the area to purchase what they would consider an urgent need.



ICCA Students in a Focus Group Discussion at Wamba while on Fieldwork in September

4.5 School of Biological Sciences

INTRODUCTION

The School of Biological Sciences (SBS) offers training in four undergraduate degree programmes, M.Sc. and Ph.D. programmes in over 12 specialty areas of biological science. The school is structured into the following nine thematic areas, Ethno-biology and Taxonomy; Biological Natural Products; Ecology and Environmental Sciences; Fresh Water and Marine; Genetics and Biotechnology; Insect Science; Microbiology; Physiology and Biochemistry, and Parasitology and Immunology.

PROGRAMMES OFFERED

In 2014, the School offered three undergraduate degree programmes, namely, B.Sc. (Biology), B.Sc. (Microbiology & Biotechnology) and B.Sc. (Environmental Conservation & Natural Resource Management). Two other programmes, B.Ed. (Science) and B.Sc. (Botany or Zoology, or a combination of the two), were offered jointly with the School of Physical Sciences and School of Mathematics under Open and Distance Learning (ODL) or full-time basis to regular and module II students.

ENROLMENT

In 2014, the School enrolled the following numbers

B.Sc. (Biology)	207
B.Sc. (Microbiology & Biotechnology)	293
B.Sc. (Environmental Conservation & Natural Resource Management)	237
MSC	62
PhD	8

INTERNATIONAL STUDENT COMPONENT

In 2014, the School had 13 international students

RESEARCH PROJECTS

STAFF	RESEARCH PROJECT - DONOR
Prof. Banhawy	Developing a strategy for tea pest management
Dr. M. Wagacha	Management of mycotoxins in wheat; Assessment of the role of plant residues, cropping systems and diversity of fungal species on mycotoxin contamination of wheat.
Dr. M. Wagacha	Monitoring the population of aspergillus species and aflatoxin contamination in pre and post harvest peanuts in Kenya
Dr. G. Ongamo	Incidence of Climate change on agricultural systems in Kenya
Prof. Sheila Okoth	Evaluation effectiveness of photosensitization in controlling aflatoxins accumulation in maize

INTERNATIONAL LINKS AND COLLABORATIONS

In 2014, the School had links with the following Institutions: Yokohama National University, NARA Institute of Science and Technology, RUFORUM, and Obafemi Awololo University, Nigeria.

STAFF

In 2014, the school had a staff complement of:

Professor	7
Associate Professor	8
Senior Lecturer	15
Lecturer	22
Assistant Lecturer	3
Tutorial Fellows	3
Graduate Assistant	4
Principal Technologist	1

GRADUANDS

In 2014, the School graduated the following numbers:

B.Sc. (Biology)	32
B.Sc. (Microbiology & Biotechnology)	48
B.Sc. (Environmental Conservation & Natural Resource Management)	55
M.Sc	20
Ph.D.	5

4.6 School of Computing and Informatics

INTRODUCTION

The School of Computing and Informatics (SCI) was formally established in 1977 as the Institute of Computer Science. It takes its name from the core competencies that it seeks to nurture: Computing. To cover the theory and science of computation and informatics to exemplify the practical outworking of this theory in technology and application. The School is a regional leader in Research, Research and Development (R&D) and Advanced Education in Computing. It was the first to offer Bachelors and Postgraduate degrees in Computer Science in the region.

The research mandate of the School of Computing and Informatics is carried out under three research groups in the following thematic areas ICT for Development (ICT4D), Computational Intelligence and Distributed Computing

PROGRAMMES OFFERED

In 2014, the School offered the following programmes:

- B.Sc. Computer Science
- M.Sc. Applied Computing
- M.Sc. Computational Intelligence
- M.Sc. Distributed Computing Technology
- M.Sc. Information Technology Management
- Ph.D. Information Systems, Ph. D. Computer Science

GRADUANDS

In 2014, the School graduated the following numbers:

Diploma Computer Science	78
B.Sc. Computer Science	47
M.Sc. Information Systems	40
M.Sc. Computer Science	59
MSc. Applied Computing	2
Ph.D.	3

RESEARCH PROJECTS/COLLABORATIONS

Title	Partners
Research and Pedagogy related Transport Infrastructure Design & Development	Centre for Sustainable Urban Development, Earth Institute, Columbia University
Research Grants Innovative Application of ICTs in Addressing Water-related Impacts of Climate Change (ICTCCW)	Asian Management & Development Institute (AMDI), VIETNAM
The Promise of Fibre-optics Broadband: A Pipeline for Economic Development in East Africa	University of Oxford; Economic and Social Research Council
Liberation Technologies Program-design Thinking	Stanford University, Nokia
Kenya Centre of Excellence partner Institution for ITES/BPO Industry – Technology Project	Kenya ICT Authority with funding from World Bank, IBM, CAPITA, KeMU Consortium
Health Information Systems for Kenya (HI4Kenya)	Ministry of Health; USAIDafyainfo; I-Tech
Towards a Centre of Excellence for Distributed Computing and Modelling: A UNESCO-HP Brain Gain Project	UNESCO, HP
ICT for Education	VLIR
Labour Market analysis to assess possibilities of creating employment opportunities for poor and vulnerable populations in Ghana, Kenya and South Africa	University of KwaZulu-Natal; Rockefeller Foundation
Catalyzing the New Mobility in Cities	Centre for Sustainable Urban Development, Earth Institute, Columbia University; Rockefeller Foundation
Cloud Strategy	Microsoft
Kenya Innovation Forum	ICT Authority
Digital Matatus	
Forgaty	University of Washington/UON
Mobile Phone-based patient record system	Swedish Institute and Vetenskapsrade
HIV Capacity building (UNITID)	UNITID

Staff Name	Title of the Paper	Conference	Place	Date
Dr. Opiyo, Prof.W.Okelo- Odongo	Agent Application in the Stock Market	The 10th Operations Research Society of Eastern Africa (ORSEA 2014) International Conference Nairobi.	Lower Kabete Campus, UON	16-18 October 2014
Dr. Opiyo, Prof.W.Okelo- Odongo	Multi-agents Based Wireless Sensor Telemedicine Network for E-Health Monitoring of HIV Aids Patients	The 10th Operations Research Society of Eastern Africa (ORSEA 2014) International Conference Nairobi.	Lower Kabete Campus, UON	16-18 October 2014
Dr. Opiyo, Prof.W.Okelo- Odongo	Adoption of Self-Study for University Education in Kenya	The 10th Operations Research Society of Eastern Africa (ORSEA 2014) International Conference Nairobi.	Lower Kabete Campus, UON	16-18 October 2014
Dr. Opiyo, Prof.W.Okelo- Odongo	Game Theoretic Multi- Agent Algorithms for the Job Shop Scheduling Problem	The 10th Operations Research Society of Eastern Africa (ORSEA 2014) International Conference Nairobi.	Lower Kabete Campus, UON	16-18 October 2014

STAFF

In 2014, the School had the following staff complement:

Professor	1
Associate Professor	3
Senior Lecturer	8
Lecturer	8
Tutorial Fellow	4
Graduate Assistant	3

5.00

COLLEGE OF EDUCATION AND EXTERNAL STUDIES

5.1 School of Education

INTRODUCTION

The School of Education is one of the two Schools constituting the College of Education and External Studies. It comprises five administrative and teaching units namely: Department of Educational Administration & Planning, Department of Educational Communication & Technology, Department of Educational Foundations, Department of Physical Education & Sport, and a sub department of Psychology).

PROGRAMMES

In 2014, the School offered programmes with the following specializations in education:

- Diploma In Early Childhood Education
- Bachelor of Education (Arts)
- Bachelor of Education (Science)
- Bachelor of Education (Early Childhood Education)
- Bachelor of Education (Physical Education)
- Bachelor of Education Information and Communication Technology (ICT)

The School of Education/Faculty of Agriculture also offers Bachelor of Science (Agricultural Education and Extension).

- Master of Education (M.Ed) with 12 specializations in:
 1. Doctor of Education (Ed.D).
 2. Doctor of Philosophy in Education.

INTERNATIONAL STUDENT COMPLEMENT

In 2014, the School had 87 international students drawn from Ghana, Sierra Leone ,Somaliland, Turkey and Sudan.

INTERNATIONAL LINKS AND COLLABORATION

In 2014, then School had links with the following organizations: the International Rescue Committee, USAID on early grade reading instruction curriculum,

RESEARCH ACTIVITIES

Collaborative Research Project on Urban and Camp-Based refugee in Kenya with UNHCR, IRC and University of Nairobi.; 2014. Protective Role of The Female Teachers on Refugee Girls Attending Secondary Education in Dadaab and Kakuma, Kenya.; 2014.



PUBLICATIONS

Obae R. 2014 "Effects of Domestic Gender Roles on Pupils' Performance in Kenya Certificate of Primary Education in Public Primary Schools in Gabra Tula District, Kenya." *Education and Practice*. 2014;2(2222-288x):10-14

Mugambi MM, Ochieng RJ, Miriti GM. "The critical role of curriculum in addressing youth unemployment in Kenya: opportunities and challenges." *International Journal of Education and Research*. 2014;2(4):493-508

Mugambi MM, Ochieng RJ. "Transforming the image of the teaching profession in Kenya." *International Journal of Education and Research*. 2014;2 (2):65-78

Mugambi MM, Ochieng RJ, Miriti GM. "The critical role of curriculum in addressing youth unemployment in Kenya: opportunities and challenges." *International Journal of Education and Research*. 2014;2(4):493-508

Ndirangu CW, Monda A, Imonje R. "Flood and Education: Access to Education in Flood Prone Areas." Lambert Publishing (LAP). 2014;1

P.A. Odundo, .C M. Rambo, M.J.I. Ekasiba &S. O. Mwanda (2014) Factors Influencing the Outcome of Formal Credit Requests by Small Scale Rice Farmers in Teso District, Kenya Volume 14 Issue 5 Version 1.0 Year 2014 Online ISSN: 2249-4588& Print ISSN: 0975-5853

P.A. Odundo, S.O. Gunga, B. Ngaruiya (2014). Instructional planning among teachers in Pubic Secondary Schools in Kenya: Factors that influence performance in Business Studies. *Sociology Study* ISSN 2159-5526, Volume 4, Number 5, 395-410

Odundo .P, U. Kioko, E. M. Muriithi, T.Odhiambo, S. O. Mwanda, (2014) Peer Education and Behaviour Change on HIV/Aids Prevention in Secondary Schools in Rachuonyo District, Kenya: Prospects and Policy. in *Global Journal of Human Social Sciences (GJHSS)* Volume 14-G Issue 4 Version 1.0

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Prof. O. Digolo, H. O. Andala and M Kamande (2014). Reliability of Mock Examinations for Prediction of the Kenya Certificate of Secondary Examination (KCSE) Results. IOSR Journal of Research & Method in Education (IOSR-JRME) E-issn: 2320-7388, p-ISSN: 2320-737X Volume 4, Issue 1 Ver. II, PP 28-36

Digolo P.O.O., Mwanda G.M., Origa J.O., Mwanda S.O (2014); Effects of Constructivist and Conventional Methods of Instruction on Learning Biology amongst Secondary School Students in Kenya. Journal of Education And Practice, ISSN (Paper) 2222-1735, ISSN (Online) 2222-288X. Journal of International Institute for Science, Technology and Education (IISTE)

Muriithi E. Muriuki (2014). Project method of teaching physics. Use, impact and implications. Scholars Press, 2014 ISSN 978-3-639-71557-6

Muriithi E. Muriuki (2014). Peer education and behavioral change on HIV/AIDS prevention in secondary schools in Rachuonyo district, Kenya; policy and prospects. Global Journal of Human Social Science. Volume 14, issue 4 April 2014

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Muriithi, E.M. (2014). Methods of Teaching Sciences. In: Training Manual in Pedagogy, Volume One. University of Nairobi, Centre for Open and Distance Learning. ISBN 9789966177308

Muasya J.N (2014). Effects of sexual harassment on women students' access to opportunities and facilities: A case study of the University of Nairobi, Kenya

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E.M., Muasya, J.N., Thiongo, J.M. and Wanjie, E.M.(2014). Teaching Children: A Handbook for Preschool Teachers, Vidic Investments Limited Publishers, Nairobi, Kenya. ISBN: 978-9966-1797-0-8), Pp. 209-236

Muasya, J. N. (2014). Lecture Thirteen: Gender and Pedagogy in Higher Education. In: Training Manual in Pedagogy, Centre for Open and Distance Learning, University of Nairobi, ISBN: 978-9966-1773-0-8, Pp.220-243

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- Gatumu, J. C. (2014). Effective lecturing. In: Training manual in pedagogy. Volume one. University of Nairobi, Centre for Open & Distance Learning: Nairobi. pp. 99-113 ISBN 9789966177308
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- Gatumu, J.C. and Kazungu, T. W. (2014). Parents' views of the education of their three to six year old children not in preschools in Mbeere, Kenya. International journal of education and social science. Vol 1, no 2. Pp 78-84
- Inyega H.N, Inyega J.O, Wangamati A.S. Communication skills for academic excellence. Nairobi: Jo-Vansallen Publishing Company; 2014
- Inyega H.N, Inyega J.O, Matula P.D. "Enhancing college students' communication skills: adopting an interdisciplinary approach." International Journal of Literacy and Development. 2014; 1(1):25-44
- M W G, Ngaruiya, N K G. "SMASSE trained teacher characteristics and primary school pupil achievement in mathematics and science." IJARER. 2014;2(7)(Vol. 2(7)2360-7866):152-159
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- Wanjie E. (2014). Chapter 5: Approaches and Methods of Teaching Children. In: Gatumu, J.C., Kahiga, R.W., Kazungu, T.W., Kinyua, G.W., Murithi, E.M., Muasya, J.N., Thiongo, J.M. and Wanjie, E.M. (2014). Teaching Children: A Handbook for Preschool Teachers, Vidic Investments Limited Publishers, Nairobi, Kenya. ISBN: 978-9966-1797-0-8, Pp. 117-148
- Thiong'o J. (2014). Educational goals, aims and objectives in relation to children's learning
In: Gatumu, J.C., Kahiga, R.W., Kazungu, T.W., Kinyua, G.W., Murithi, E.M., Muasya, J.N., Thiongo, J.M. and Wanjie, E.M. (2014). Teaching Children: A Handbook for Preschool Teachers, Vidic Investments Limited Publishers, Nairobi, Kenya. ISBN: 978-9966-1797-0-8, Pp. 37-62
- Thiong'o J. (2014). Instructional planning for children's learning. In: Gatumu, J.C., Kahiga, R.W., Kazungu, T.W., Kinyua, G.W., Murithi, E.M., Muasya, J.N., Thiongo, J.M. and Wanjie, E.M. (2014). Teaching Children: A Handbook for Preschool Teachers, Vidic Investments Limited Publishers, Nairobi, Kenya. ISBN: 978-9966-1797-0-8, Pp. 65-116
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- Ngesu, L.M, Gunga S, Wachira, L, Esther, K (2014). Some determinants of students performance in Biology in

KCSE: A case study of central division of Machakos district. *International Journal of Innovative Research & Studies* Vol. 3 Issue 1 January, 2014, pp.174-186. ISSN 2319-9725 Online. www.ijirs.com

Ngesu, L.M, Gunga S., Motuka, J, Kyule M. (2014). Analysis of Gender equity in secondary schools in Mandera East District, Mandera County Kenya. *International Journal of Innovative Research & Studies* Vol. 3 Issue 3 March, 2014, pp.480--492. ISSN 2319-9725 Online. www.ijirs.com

Ngesu, L. M; Gunga S; Gakuru A; Kahigi C. (2014). Factors affecting the management of women income generating projects in Kikuyu division of Kiambu district. *International journal of Education and research* Vol 2 No 4 April 2014, pp 1-8. ISSN: 2201-6740. Online. www.ijern.com

Ngesu, L.M; Wachira, L. Kyule M. Mutisya; Kivuli E. (2014). The influence of home and school related factors on performance of girls in Science subjects in Kenya Certificate of Secondary Education in Kilungu district Makueni County-Kenya. *International journal of Innovative Research and Studies*. Vol. 3 Issue 4 April, 2014, pp.888--897. ISSN 2319-9725 Online. www.ijirs.com

A. Mugo, L Ngesu, Kasivu G.M, M. Mulonzi (2014). Adult education as a blue print to development in the 21st Century: An African perspective. *International journal of Innovative Research and studies*. Vol. 3 Issue 5 May, 2014, pp.752--770. ISSN 2319-9725 Online. www.ijirs.com

L. Ngesu, M.N Mulonzi, A. Mugo; G.Kasivu (2014). A model explaining student militancy in secondary schools: Kenyan Perspective. *International journal of Innovative Research and studies*. Studies Vol. 3 Issue 5 May, 2014, pp.738---751. ISSN 2319-9725 Online. www.ijirs.com

STAFF

In 2014, the School had the following staff complement

Professors	3
Associate Professor	8
Senior Lecturer	16
Lecturer	38
Assistant Lecturer	2
Tutorial fellow	8
Chief Technologist	1

PAPERS PRESENTED

Odundo P.A, Ochogo N.K, Rambo C.M, &Mbwesa J. (2014): Influence of Computing Competence on Lecturers' Preparedness for E-Learning at the University of Nairobi, Kenya. Paper Presented in London International Conference on Education, (LICE – UK). 10th – 12th November, 2014

Odundo P.A Ochogo N.K, Rambo C.M, Mbwesa J, (2014): Influence of Work Place Infrastructure on Lecturers' Preparedness for E-Learning: The Case of University of Nairobi, Kenya.Paper Presented in London International Conference on Education, (LICE – UK), 10th -12th November, 2014

P A. Odundo, N. K. Ochogo, C. M. Rambo and J. K. Mbwesa (2014). Influence of institutional support on lecturers' preparedness for E-learning at the University of Nairobi, Kenya. London International Conference on Education (LICE-2014).

Muasya J. Ni (2014). Students' Perceptions of Heterosexual Culture in the University of Nairobi, Kenya. Paper Presented at USHEPIA COLLOQUIUM: Reflecting on knowledge past and present, 17-19 September 2014. Cape Town, South Africa.

Paul A. Odundo, Nicholas K. Ochogo, Charles M. Rambo and Joyce K. Mbwesa (2014). Influence of institutional support on lecturers' preparedness for E-learning at the University of Nairobi, Kenya. London International Conference on Education (LICE-2014).

Muriithi E. Muriuki (2014). Reflective teaching and preschool children's academic performance in Molo District, Kenya Paper presented at Ireland International Conference on Education on 28th April 2014 in Dublin City.

Odundo Paul, Charles Rambo (2014). Community Perspectives on Accountability and Transparency in the Management of Local Authority Transfer fund in Kenya: A Case of Siaya Municipal Council. Global Conference on Business and Finance Hawaii, USA January 2014.

Odundo Paul, Charles Rambo, (2014). Influence of Local Authority Transfer fund of Service Delivery by Local Government Authorities in Kenya: A case of Siaya Municipal Council. Global Conference on Business and Finance. Hawaii, USA January 2014.

Odundo Paul, Charles Rambo, (2014). Contribution of Local Authority Transfer fund to Debt Reduction in Kenyan Local Authorities and Institutional Vulnerabilities to further Debt: A case of Siaya Municipal Council. Global Conference on Business and Finance. Hawaii, USA January 2014.

Obonyo O. Digolo and Japheth O. Origa (2014). The relationship between performance in Teaching Practice and Practical Subjects in the Kenyan Primary Teachers College. Maasai Mara University, 1st International Conference on Knowledge Management for Transformation; Pitfal synergy and Innovation, 11-14 November, 2014.

ENROLLMENT

Doctor of Philosophy	78
Master of Education Programmes	616
Bachelor of Education (Arts)	1851
Bachelor of Education (Early Childhood Education)	324
Bachelor of Physical Education and Sport	174
Bachelor of Education (Science)	498
Bachelor of Education (ICT)	25
Bachelor of Science (Agricultural Education and Extension)	33
Diploma in Early Childhood Education	3

5.2 Centre for Open and Distance Learning

INTRODUCTION

The Centre for Open and Distance Learning has the mandate to enhance the teaching and learning using open, distance and e-learning modes for holistic training in diverse fields.

TRAINING AND REVIEW

In 2014, the Centre reviewed all the curricula of the programmes of the collaborating Schools and Faculties for developing instructional materials before using them to develop instructional material as per policy. The programmes were: Master of Arts in Peace Education (MAPE), and Master of Science in Health Economics

In addition, the Centre conducted 11 training workshops involving 330 writers, reviewers and tutors for capacity building for tutoring and writing and reviewing distance learning materials as follows: School of Engineering, School of Education and School of Continuing and Distance Education .

The Centre carried out two e-learning training workshops on tutors orientation for face to face and on-line tutorials at Chiromo Campus and a Joint Writers Workshop for Department of Pharmacology and Toxicology at the Faculty of Veterinary Medicine, Schools of Dental Sciences, Pharmacy and Nursing Sciences .

The Centre conducted a Special Tutorial Workshop for the Department of Philosophy and Religious Studies for supporting students in Master of Arts in Religious Studies and a sensitization workshop on odel programmes at CAVS for Department of Vet Pathology, Microbiology and Parasitology involving 16 writers.

38 staff from CBPS and CAVS were trained on instructional materials development. The Centre conducted a training workshop for writers from the CHSS involving 40 writers drawn from the following schools and departments: History, Psychology, Political Science and Public Administrations, Sociology and Schools of Laws and Economics

MATERIALS DEVELOPMENT

The Centre produced the following modules:

Print Materials

No.	Course code	Course title
1	DAC 203:	Introduction to Management Accounting
2	DBA 303	Organisation Behaviour
3	DBA 408:	Small Business Management
4	DFI 301	Monetary Theory and Practice
5	DMA 406	Sales Management
6	CCS 010	HIV/AIDS
7	CAC 204	Cultural Resource Management

No.	Course code	Course title
1	LPE 601	Foundations of Peace Education
2	LPE 602	Instructional Design and Methods in Peace Education
3	LPE 603	Principles and Practice of Peace education

No.	Course code	Course title
1	CRS 559	Historical Development of Christianity
2	CRS 560	African Christian Theology
3	CRS 561	Modern Trends in Christianity
4	CRS 602	African Instituted Churches
5	CRS 607	Religious and Human Ecology
6	CRS 552	Research methods in Religious Studies
7	CRS 608	Religions of E. Africa

No.	Course code	Course title
1	CRS 559	
2	CRS 560	
3	CRS 561	
4	CRS 602	African Instituted Churches
5	CRS 607	Religious and Human Ecology
6	CRS 552	Research methods in Religious Studies
7	CRS 608	Religions of E. Africa
8	LPE 603	Principles And Practice Of Peace

5.3 School of Continuing and Distance Education

The School of Continuing and Distance Education (SCDE) has for the last 50 years been the leader in the area of Open, Distance, and e-Learning (ODEL) in Kenya. By offering its programmes using ODeL methods, the School has accorded Kenyans of all walks of life flexible and affordable opportunities to further their education and training.

The School has three departments, namely: Department of Educational Studies; Department of Extra-Mural Studies; Department of Distance Studies

PROGRAMMES OFFERED

In 2013, the School offered programs at various levels in peace education, distance studies, project planning and management, human resource management, business management, supplies, purchasing and supplies management, public relations, sales and marketing, guidance and counselling, adult education and community development and youth in development work

STAFF

In 2014, the School had the following staff complement:

Professor	2
Associate Professor	2
Senior Lecturer	9
Lecturer	19
Tutorial Fellow	2
Chief Technologist	1
Senior Technologist	3

ENROLMENT

In 2014, the School enrolled the following numbers:

PhD	155
Masters	1230
PGD in Education	30
Bachelors	4162
Diplomas	2561
Certificate in Human Resource Mgt	1,030

GRADUANDS

In 2014, the School graduated the following numbers:

PhD	2
Masters	474
Postgraduate Diplomas	18
Bachelors	1621
Diplomas	1788

INTERNATIONAL STUDENTS

In 2014, the School had an international student component of 6 students drawn from Thailand, Liberia, Turkey, Somali and Tanzania.

INTERNATIONAL LINKS & COLLABORATIONS

In 2014, the School had the following links and collaborations: African Virtual University; Makerere University, Uganda; University of Coventry, UK; Open University of Tanzania

PUBLICATIONS

C.J. Rugendo 2013. Leadership styles and participation in church activities in the catholic diocese of Meru, Kenya. International Journal of Education and Research Volume 1 August 2013

Mulwa, S.A. and Kyalo, D.N. 2013. The influence of principal's, teacher's, and students' attitude on readiness to adopt e-learning in secondary schools in Kitui District, Kenya. ISSN:1857-7881 European Scientific Journal: Vol. 9, No. 05 July, 2013

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Anyango. V., and Nyonje. R.O. 2013 Influence of co-curriculum activities on academic achievement of public primary schools. a case of Kisumu municipality, Kisumu County. African Journal of Educational and social science research. Vol.1. No. 2013; pg 55-63; ISSN 2304-2885, July 2013

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Odundo, P.A. and Rambo, C.M. 2013. Influence of leadership styles adopted by public secondary school principals on features motivation: the case of Nyanza Province. *International Journal of Disaster Management and Risk Reduction*. Vol. ISSN: 1992-2744, MMUST, 2nd Nov. 2013

Ondola S.O. and Odundo, P. A. 2013. Effectiveness of housing policies and their implementation strategies in the provision of low-cost housing to the urban poor in Kisumu City, Kenya. *International Journal of Academic Research in progressive Education and Development* Vo. 2 No. 4 ISSN: 2226-6348, U.S.A. october, 2013

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Odundo, P.A., Rambo, C.M. and Odhiambo T.A. 2013 Effects of school sased income generating activities on the financial performance of public secondary schools in Kenya *Chinese Business Review* Vol. 12 No.6 ISSN: 1537-1506 U.S.A. June 2013

Rambo, C.M. 2013 Time required to break even for small and medium enterprises. Evidences from Kenya. *International Journal of Business and Finance Management Research* Vol. 1 issues IJBFR1 (2013) 1-10 June 2013

C. Osa and Rambo, C.M. 2013 Effects of access to microcredit on the growth of women-owned small and medium enterprises in the central business district of Kisumu: the case of Kenya Women Finance Trust. *International Journal of Management and Marketing Research* ISSN 933-3153 (Print), ISSN: 2157-0205 (Online) U.S.A. 2013

PAPERS PRESENTED

C.J. Rugendo The effect of reading skills on academic performance of distance learners: a case of the University of Nairobi distance learners. 8th Pan-African Reading for All Conference 12-16th Aug 2013

Kyalo D. N, A.S. Mulwa & Venzi F. Simo, Farmers level of education and training and sustainable irrigation of small scale dryland farming in Kitui Central District: AIBUMA Conference, Nairobi July, 11-12th, 2013

... Relational coordination in the airline industry: getting it right to enhance on-time service delivery at Kenya Airways, Jomo Kenyatta International Airport': Book of Abstracts ORSEA International Conference, Kampala, Uganda October, 17th-18th, 2013

Oronje D., Rambo, C.M. and Odundo P.A. The flow funding for sustainable road maintenance in Kenya: addressing disbursement of funds, procurement gaps and accountability. Conference proceedings ISSN: 2168-0612 S a n Jose, Costa Rica 28th – 31st May, 2013

Members of staff presented papers at the DETA 2013 30/9 – 1/8/2013, in Nairobi as follows:

Kidombo H.J., Gakuu CM & Bowa O. Workforce flexibility in distance education: norm or exception?

Ndiritu A, Kimani G, Gikonyo N & Kidombo H. Transformational leadership skills: A necessary recipe for school principals in the 21st Century

Nzuki P. The relationship between perceived quality dimensions & growth in distance education

Mutoro JM & Imonje R. The role of collaboration and partnership in teacher education and development in Africa.

Mboroki G & Wambugu L A comparative analysis of teaching practice performance of distance and on-campus B. Ed Science students at the University of Nairobi, Kenya

Odumbe JO & Misiko WC Practice of distance education at the Centre for Open and Distance Learning, University of Nairobi

Mbugua J, Bowa O, Gakuu CM & Mboroki G Awareness as a determinant of educational managers' support for distance learning mode of delivery: The case of Western Region

Ndiritu A, Kimani G, Gikonyo N & Kidombo H Transformational leadership skills: A necessary recipe for school principals in the 21st Century

Members of staff presented at the ODeL Conference, 18th April, 2013 UoN, Kenya s follows:

Kyalo, D.N., and Rutere I. The attitude of inmates and adult education custodians towards post-literacy programmes in government prisons in Kenya

Mulwa, S.A, Kyalo, D.N., Bowa O. & Mboroki, G. Influence of connectivity on readiness to adopt e-learning in public secondary schools in Kitui District, Kenya

Y. S. Mangusho The influence of public university regional expansion strategy on service delivery: a case of university of Nairobi Extra Mural Department, Kenya

A. S Mulwa, and D. N. Kyalo Influence of connectivity on readiness to adopt e-learning in public secondary schools in Kitui county

J.Chandi, H. Kidombo, J. Mbwesa, and A.Ndiritu. The effect of time management on academic performance of distance learners: a case of the University of Nairobi distance learners

N. W.M. Gikonyo, C. M. Gakuu, G. Mboroki and A.Ndiritu . University manager's participation in distance education: what role does their level of knowledge in distance education play?

C.M. Rambo. Challenges of women students in distance education programme in Kenyan universities

A. Aseey . Adult learner's in the digital age. challenges and opportunities

Ndiritu, D. Mburu, N. Gikonyo & G.Nyaga . ICT Integration in ECD In-Service Teacher Training: First Foot Forward

J.B Kisimbi. Learners' perception of quality in open and distance education in Kenyan public universities

A.A. Aseey and S. O. Gunga. Use of social media by adult learner's in the digital age: challenges and opportunities

Nzuki,P, O.Bowa, S. Gunga and D. Origa The relationship between perceived quality dimensions and growth in distance education

6.1 School of Medicine

The School of Medicine was started on 3rd July, 1967 and offers courses of study leading to the award of degrees of Bachelor of Medicine and Bachelor of Surgery, Bachelor of Science in Biochemistry, Bachelor of Science in Medical Physiology, Bachelor of Science in Human Anatomy, Master of Medicine, Master of Science, Doctor of Philosophy, and Doctor of Medicine and Postgraduate Diplomas.

STAFF

In 2014, the School had a staff portfolio of highly qualified professionals consisting of 30 professors, 54 associate professors, 47 senior lecturers, 114 lecturers, 1 assistant lecturer, 35 tutorial fellows, and 1 part time lecturer.

COURSES OFFERED

In 2014, the School offered the following programmes:

- Bachelor of Science in Biochemistry
- Bachelor of Science in Human Anatomy (Intercalated)
- Bachelor of Science in Medical Physiology(Intercalated)
- Bachelor of Medicine and Bachelor of Surgery
- Bachelor of Science in Medical Laboratory Science and Technology
- Higher Diploma in Diagnostic Medical Ultrasound
- Diploma in Clinical Audiology & Public Health Otology
- Diploma in Psychotrauma Management
- Diploma in Psychoactive Substance Abuse
- Diploma in Psychiatric Social Work
- Master of Science
- Master of Medicine
- Doctor of Philosophy (Ph. D)
- Doctor of Medicine (MD)

ENROLMENT

In 2014, the School enrolled the following numbers

MB.CH.B	2,182
B.Sc. Biochemistry	173
BSc. in Human Anatomy	3
BSc. in Medical Physiology	2
Bsc. Medical Lab Sciences Technology	103
Master of Medicine Courses	569
Master of Science Courses	79
PhD	5

GRADUATION

In 2014, the School graduated the following numbers

MB.CH.B	309
Bachelor of Science in Biochemistry	51
Bachelor of Science in Human Anatomy	4
Bachelor of Science in Medical Physiology	2
PhD	5
M.Med. Anaesthesiology	9
M. Med. Clinical Medicine & Therapeutics	14
M .Med. Diagnostic Imaging & Radiation Medicine	10
M. Med. Obstetrics & Gynaecology	15
M. Med. Human Pathology	4
M. Med. Paediatrics & Child Health	29
M. Med. Ophthalmology	17
M. Med. ENT Surgery	4
M. Med. Surgery	5
M. Med. Psychiatry	4
M. Med. Orthopaedic Surgery	2
MSC. Clinical Psychology	8
MSC. Clinical Cytology	3
MCS, Biochemistry	3
MSC. Human Anatomy	3
MSC. Medical Microbiology	8

LINKS AND COLLABORATION

In 2014, the School had the following links:

Charite University of Medicine, Berlin Germany, University of California, Irvine; CBM Christoffel-Blindenmission Christian Blind Mission., University of Colorado Denver, Children's Hospital , School of Medicine, University of Washington Seattle University of Maryland, Seattle , University of Texas, U. S. A , Vanderbilt University, U.S.A, Kanazawa University of Japan , Justus Liebig University of Giessen, Giessen, Germany, Cochin-Port Royal University Rene Descartes Paris , University of Oxford, United Kingdom, Department of Ophthalmology, University of |Nairobi; collaborations with Sightsavers International/Eastern African University of Science and Technology, Uganda/ Muhimbil University of Health and Allied Sciences, Tanzania/Kilimanjaro Christian Medical Centre, Tanzania/Light For The World-Austria and Operation Eyesight-Canada, Johnson of Johnson, division of Johnson Medical limited, Shiga University of Medical Science (SUMS), Japan , Yonsei University, Korea , Sight Savers International , Light for The World (LFTW), Fred Hollows Foundation, ye Foundation Hospital Group, Nigeria.

Institutions that currently work/collaborate with Kenya AIDS Vaccine Initiative Project on Various Research Activities: International AIDS Vaccine Initiative (IAVI), International Development Research Centre (IDRC), European and Development Countries Clinical Trials Partnership (EDCTP), The Governing Council of the University of Toronto, Clinical Research Africa Limited (CRO).

PUBLICATIONS

- Ominde, BS, Odula P, Olab BO, Ogeng'o JA, Regional Differences in the Diameter of Coronary Sinus among Black Kenyans. *Anat Physiol* 2014 4.3
- J. Ogeng'o. K. Ongeti. M. Msiani, B. Waisako, P.Loyal. Topography of Aortic Bifurcation in a Black Kenyan Population, *Anatomy Journal of Africa*, 2014; 3 (2):341-345
- J. Hassanali. Importance of knowledge and awareness on career choice of students undertaking health profession courses. *Journal of the Kenya Dental Association* 196-197
- J.A. Ogeng'o, M.K. Misiani, B.O. Olabu, B.M. Waisiko and A. Murunga, Variant termination of the left coronary artery: pentafurcation is not uncommon. *Eur. J. Anat.* 18 (2): 98-101 (2014)
- J. Hassanali. Knowledge and awareness of first year bachelor of dental surgery students on the basic sciences courses and career. *Journal of the Kenya Dental Association* 205-209
- JWM Kigera, P Kimpiatu. Blood Loss and Influencing Factors in Primary Total Hip Arthroplasties. *Annals of African Surgery.* 2014;11(1):16-18
- P. K. Loyal, , F. Butt, J.A. Ogeng'o, Branching Pattern of the Extraosseous Mental Nerve in a Kenyan Population. *Graniomaxillofac Trauma Reconstruction* 2013:6:251-256
- Chung MH, Beck IA, Dross S, Tapia K, Kiarie JN, Richardson BA, Overbaugh J, Sakr SR, John-Stewart GC, Frenkel LM. Oligonucleotide Ligation Assay Detects HIV Drug Resistance Associated with Virologic Failure among Antiretroviral-Naïve Adults in Kenya. *J Acquir Immune Defic Syndr.* 2014 Aug 21. [Epub ahead of print]
- Child MJ, Kiarie JN, Allen SM, Nduati R, Wasserheit JN, Kibore MW, John-Stewart G, Njiri FJ, O'Malley G, Kinuthia R, Norris TE, Farquhar C. Expanding clinical medical training opportunities at the University of Nairobi: adapting a regional medical education model from the WWAMI program at the University of Washington. *Acad Med.* 2014 Aug;89(8 Suppl):S35-9
- Njiri FJ, Child MJ, O'Malley G, Baird S, Ojoo V, Davies LD, Kiarie J. Evolution of a Multiuniversity Monitoring and Evaluation Technical Working Group. *Acad Med.* 2014 Aug;89(8 Suppl):S110
- Kiarie JN, Farquhar C, Redfield R, Bosire K, Nduati RW, Mwanda W, M'Imunya JM, Kibwage I. Strengthening health systems by integrating health care, medical education, and research: University of Nairobi experience. *Acad Med.* 2014 Aug;89(8 Suppl):S109-10
- Were T, Wesongah JO, Munde E, Ouma C, Kahiga TM, Ongecha-Owuor F, Kiarie JN, Ahmed AA, Makokha EP, Budambula V. Clinical chemistry profiles in injection heroin users from Coastal Region, Kenya. *BMC ClinPathol.* 2014 Jul 9;14:32
- Ominde, BS, Odula P, Olab BO, Ogeng'o JA, Regional Differences in the Diameter of Coronary Sinus among Black Kenyans. *Anat Physiol* 2014 4.3
- J.Ogeng'o, K. Ongeti, M.Misiani , B. Waisako, P. Loyal. Topography of Aortic Bifurcation in a Black Kenyan Population, *Anatomy Journal of Africa*, 2014; 3 (2):341-345
- J.Hassanali. Importance of knowledge and awareness on career choice of students undertaking health profession courses. *Journal of the Kenya Dental Association* 196-197
- J.A. Ogeng'o, M. K. Misiani, B. O. Olabu, B.M. Waisiko and A. Murunga, Variant termination of the left coronary artery: pentafurcation is not uncommon. *Eur. J. Anat.* 18 (2): 98-101 (2014)
- J.Hassanali. Knowledge and awareness of first year bachelor of dental surgery students on the basic sciences courses and career. *Journal of the Kenya Dental Association* 205-209
- JWM Kigera, P Kimpiatu. Blood Loss and Influencing Factors in Primary Total Hip Arthroplasties. *Annals of African Surgery.* 2014;11(1):16-18
- P. K. Loyal, F. Butt, J. A. Ogeng'o. Branching Pattern of the Extraosseous Mental Nerve in a Kenyan Population. *Graniomaxillofac Trauma Reconstruction* 2013:6:251-256

J. Ndiritu, F. Butt, H. Saidi, Variations in Emergence and Course of the Inferior Palpebral Nerve. *Cranial Maxillofac Trauma Reconstruction* 2014: 07(03) 233-236

B. M. Ndung'u, A. C. Koech, M. K. Tharao, Morphometry of the Myopectineal Orifice: Relevance in Prosthesis Hernia Repair. *East and Central African Journal of Surgery* July/August 2014 Vol. 19 No.2

E. A. Rogena, Exceptional case report: Gigantic cornucutaneum arising on the right thigh of an African woman. *Zuriel D, Rogena E, Walong E, AM J Dampath*, Vol 36, Number 2 February 2014: Page 10

E. A. Rogena, Correlation of EGFR, pEGFR and p16INK4 expressions and high risk HPV infection in HIV/AIDS-related squamous cell carcinoma of conjunctiva. *Infect Agent Cancer*. 2014, 9(1): 7. DOI: 10.1186/1750-9378-9-7

D. Zuriel, Case of fatal cutaneous histoplasmosis – a cytological diagnosis. *D. Zuriel, W. Jaoko et al Am j of Dermatopathology* issue 36 pg9 Feb 2014

J. Nyagol, Assessment of hormonal receptors and Her-2/neu status in breast cancer using cell block: a case study. *J. Nyagol, V. Kisato, W. Ochuk, M. Wakio*

J. Nyagol, Correlation of EGFR, pEGFR and p16INK4 expressions and high risk HPV infection in HIV/AIDS-related squamous cell carcinoma of conjunctiva. *Infect Agent Cancer*. 2014, 9(1): 7. DOI: 10.1186/1750-9378-9-7

6.2 School of Dental Sciences

The School of Dental Sciences (SDS) is one of the five schools that constitute the College of Health sciences, and has four Departments namely: Oral/Maxillofacial Surgery/ Oral Medicine/Pathology and Oral/Maxillofacial Radiology, Conservative and Prosthetic Dentistry, Paediatric Dentistry and Orthodontics, and, Periodontology/Community & Preventive Dentistry

PROGRAMMES OFFERED

In 2014, the School offered the following programmes:

- Bachelor of Dental Surgery (BDS) degree course
- Master of Dental Surgery (MDS) course in Paediatric Dentistry
- Master of Dental Surgery (MDS) course in Oral Maxillofacial Surgery
- Master of Dental Surgery (MDS) course in Periodontology/ Periodontics
- Master of Dental Surgery (MDS) course in Prosthodontics

ENROLLMENT

In 2014, the School enrolled the following numbers:

Undergraduates	227
Postgraduates (Masters)	25
PhD Registered	8

INTERNATIONAL STUDENTS

In 2014, the School had an international student's component of six drawn from Zimbabwe, South Sudan, Tanzania and Ugandan

RESEARCH ACTIVITIES

In 2014, staff engaged in research centered on materials development and efficacy, treatment therapies, waste management and materials recycling.

INTERNATIONAL LINKS AND COLLABORATION

In 2014, the School had links with : Colgate/Palmolive, Glaxosmithkline Limited, Kenya Association of Paediatric Dentists(KAPD, Kenya Smiles, Wrigley's Foundation, Daisy Eye Cancer: The Daisy Eye Cancer (retinoblastoma project, Eastern African Association of Oral & Maxillofacial Surgeons (EAAOMS), Branding of Paediatric Dental clinic – Colgate/Palmolive – ongoing,

PUBLICATIONS

P. Muange, M.Chindia, W. Njiru, E. Dimba, R.Mutave; Oral Swuamous Cell Carcinoma: A 6-month Clinico-Histopaathologic Audit in Kenyan Population. *Open Journal of Stomatoloty*, 4, 475-483

Chindia ML, Otwoma JG, Awange DO, Dimba EA, Limo AK, Wakoli Ka; Clical and histopathological audit of head and neck rhabdomyosarcoma at the Univerof Nairobi Dental Hospital Pathology Laboratory. *East and Central Africa Medical Journal* 2014; 1(1): 28-31

C.M Nguu-Gutu, J. K. Imungi, E. M. Ngatia,; Snacking and its effect on nutritional status of adolescents in two national high schools in Nairobi Kenya – Vol 30,2014 No.48 – 58

E.K. Mungure, J.L. Ngesa, M. Roopra : Cephalometric changes after treatment with a twin block appliance-case report – July – September 2014 Vol 5 No 3, 201- 204

Kemoli A.M. The effects of ambient temperature and mixing time of glass ionomar cement material on survival rate of proximal ART restorations in primary molars. *Contemp Clin Dent* 2014; 5:31-6

Koyio LN1, Sanden WJ2, Dimba E3, Mulder J2, Creugers NH4, Merx MA5, Van Der Ven A6, Frencken JE2; Oral Health Training Programs for Community and Professional Health Care Workers in Nairobi East District increases identification of HIV-Infected patients. *Plos One Open Access Journal*

Awange D.O., Wakoli K.A., Dimba E.A.O, Chindia, M.L, Onyango, J.F, Limo, A.K, Gichana, J.O. Nasopalatine Duct Cyst, *AJOHS*, Vol.1, No.1

Wakoli K.A, Vilembwa M, Awange D.O, Dimba E.A.O, Mamujee A, Limo A.K, Gichana J, Chindia, M.L, Burning Mouth Syndrome Presenting With Oral Lichen Planus – A Case Report, *AJOHS*, Vol.1, No.1

Butt F, Dimba E, Syed K, Treatment of Keratocystic Odontogenic Tumors By Marsupialization: A CaseReport, *AJOHS*, Vol.1, No. 1

Eunice Kihara1, Mark Chindia1, Tom Ocholla1, Mohamed Parker2; Clinical Significance of Pathological and Anatomical Findings in Cone Beam CT Scans of the Maxillary Sinus. *Open Journal of Stomatology*, 2014, 4. Published online June 2014 in *Scientific Research*

Arthur M. Kemoli, Mildred Mavindu. Child abuse: A classic case report with literature review. *Contemp. Clin Dent* 2014, 5:256-259

Uamburu NMD, Kihara EN, Ocholla TJ, Gathece LW, Knowledge, attitude and practice of digital radiography among dentists in Nairobi. (*African Journal of Oral Health Sciences* Volume 1, No.1. a publication of the University of Nairobi, School of Dental Sciences) 2014

Gathece LW, Mutave RJ, Wangari VW, Matu NK, Mua BN, Willingness of dentists in Kenya to treat persons living with HIV/AIDS. (*Journal Kenya Dental Association*), 3rd issue, 210 – 214, 2014

Wetende AM, Wayaiyu EW, Macigo FG, Joshi M, Chindia M, "pattern of gingival overgrowth among patients on antihypertensive pharmacotherapy at a Nairobi Hospital in Kenya" in *Oral Journal of Stomatology*, 2014, 4, 169 – 173

Gichangi P, Gathece LW, Estambale B, Temmerman M, "CD4 T-Lymphocytes subsets in women with invasive cervical cancer in Kenya" – *East African Medical Journal* vol.90 No. 2014

Gakonyo MJ, Mungure EK, Mulli TK, Kassim BA, Hard and soft tissue management in the aesthetic zone in dental implant therapy: A case Report. (*African Journal of Oral Health Sciences* Volume 1, No.2. a publication of the University of Nairobi, School of Dental Sciences). 2014

Bernard N, Wambeti N, Hudson A. Oral Health status of students in Mukaa and Mashuru Sub-counties, Kenya. (African Journal of Oral Health Sciences Volume 1, No.2. a publication of the University of Nairobi, School of Dental Sciences). 2014

Okiriamu AI, Macigo FG, Odhiambo WA, Knowledge, practices and concerns on the use of protective gloves among dental and medical students, (African Journal of Oral Health Sciences Volume 1, No.2. a publication of the University of Nairobi, School of Dental Sciences). 2014

Gathece LW, Ng'ang'a PM, Wang'ombe JK, Wanzala MPN, Caries experience and oral health related quality of life among persons living with HIV/AIDS. (African Journal of Oral Health Sciences Volume 1, No.2. a publication of the University of Nairobi, School of Dental Sciences). 2014

Osiro O.A., Hill RG Bushby A (2014). Effects of Strontium for calcium substitution on properties of GICs journal of Dental Research; 93 (spec Iss B): 188446. Available at www.iadr.org

Simila H.O., Karpukhina N., Hill RG Bushby A (2014). Bioglass Incorporation into Biodentine: Impact on Biological and Physical properties. Journal of Dental Research; Vol 93 (Special issue B): Abstract No. 315 (Available www.IADR.org)

Hideki Fukuda, Cyril N. Ogada, Eunice Kihara, Evelyne G. Wagaiyu and Yoshihiko Hayashi. Oral Health Status among 12 year old children in a Rural Kenyan Community. J Dent Oral Health 2014: 1:1-5

Kemoli A.M, The effects of ambient temperature and mixing time of glass ionomar cement material on survival rate of proximal ART restorations in primary molars. Contemp Clin Dent 2014;5:31-6

E.K Mungure, J.L Ngesa, M. Roopra: Cephalometric changes after treatment with a twin block appliance-case report – July – September 2014 Vol 5 No. 3

STAFF

In 2014, the School had the following staff complement:

Professor	4
Associate Professor	6
Senior Lecturer	12
Lecturer	14
Tutorial Fellow	13
Chief Technologist	1
Chief Laboratory Technician	1

GRADUANDS

In 2014, the School graduated the following numbers:

Bachelor of Dental Surgery	36
Master of Dental Surgery	5

PAPERS PRESENTED

Dr. A. Kemoli – ECC, aetiology & current management, 11th Postgraduate convention Indian society, Chandigarh 9th February to 11th February 2014

Dr. Omondi & Ogada: Stage IV Oral malignant melanoma: A case report and literature review. 4th Pan-Afcoms Conference, 13th to 15th March 2014

Dr. H. Simila: Incorporation of Strontium and Fluoride containing bioglass into Biodentine: Impact on biological & physical properties. 28th June, 2014, Capetown International Convention Centre, Capetown, South Africa

Dr. Tom Dienya Root Canal preparation using MTWO files. KDA annual Conference, Sarova Pan-African Hotel, October, 2014

Dr. Tom Dienya Management of curved root canal systems: KDA annual Scientific Conference. Sarova Pan-Africa Hotel; October, 2014

Dr. B.I. Omondi: Combined Prosthodontic and Surgical management of patients with Amelogenesis Imperfecta: Case series of two patients – Presented at the 11th ISMR conference, Xian, China, September 15th – 17th, 2014

Osiro O.A., Hill RG Bushby A (2014) ion release profile of strontium substituted GICs 32nd Kenya Dental Association Scientific Conference & Exhibition, 30th October, to 1st November, 2014, Panafric Hotel, Nairobi, Kenya

Osiro O.A., Hill RG, Bushby A(2014) Effects of Strontium for Calcium substitution on properties of GICs 92nd IADR annual General session & Exhibition, 25th to 28th June, 2014 at the Cape Town Convention Centre, Cape Town, South Africa

Mutave RJ, Infant teething: dealing with persistent myths and traditions of health concern, The 32nd Kenya Dental Association Scientific Conference & Exhibition, 30th – 1st Nov, 2014, Sarova Panafric Hotel, Nairobi

Mutave RJ, prevention of dental caries through risk assessment: a cambra approach for children, adults and communities, The 32nd Kenya Dental Association Scientific Conference & Exhibition, 30th – 1st Nov, 2014, Sarova Panafric Hotel, Nairobi

Wambugu J C, Matu Nk, Mulli TK, Gathece LW, Occurrence of red complex and Aggregatibacter actinomycetemcomitans among patients with periodontal disease at the University of Nairobi Dental Hospital, The 32nd Kenya Dental Association Scientific Conference & Exhibition, 30th – 1st Nov, 2014, Sarova Panafric Hotel, Nairobi

Gakonyo MJ, Mungure EK, Mulli TK, Kassim BA, Management of an extraction site in the aesthetic zone; significance to future implant therapy, The 32nd Kenya Dental Association Scientific Conference & Exhibition, 30th – 1st Nov, 2014, Sarova Panafric Hotel, Nairobi

Minai DA, Macigo FG, Kisumbi BK, knowledge and attitudes towards dental materials wastage by undergraduate students, The 32nd Kenya Dental Association Scientific Conference & Exhibition, 30th – 1st Nov, 2014, Sarova Panafric Hotel, Nairobi

Dr. Alumera H, Role of the community oral health care worker in control of bacterial plaque in individual patients and communities, The 32nd Kenya Dental Association Scientific Conference & Exhibition, 30th – 1st Nov, 2014, Sarova Panafric Hotel, Nairobi

6.3 School of Nursing Sciences

The School of Nursing Sciences is one of the Schools of the College of Health Sciences, and has four thematic areas namely: Medical/ Surgical Nursing, Obstetrics /Midwifery and Gynaecological Nursing, Community Health Nursing and Nursing Education and Administration.

PROGRAMMES OFFERED

In 2014, the School ran three programmes: Bachelor of Science in Nursing (BSc.N) , Master of Science in Nursing (MSc.N) and PhD Nursing

ENROLLMENT

In 2014, the School enrolled the following numbers



The Chancellor Dr. Vijoo Rattansi is taken through a procedure of taking care of a patient.

Bachelor of Nursing in Nursing (BSc.N) - (Direct entry)	352
Bachelor of Nursing in Nursing (BSc.N) ODL	207
Master of Science Degree in Nursing (MSc.N)	45
Ph.D in Nursing	5

GRADUANDS

In 2014, the School graduated the following numbers:

BSc. Nursing	69
MSc. Nursing	11
Ph.D in Nursing	2

STAFF

In 2014, the School had the following staff complement:

Professor	1
Associate Professor	1
Senior Lecturers	9
Lecturers	9

IN SUPPORT OF BEYOND ZERO CAMPAIGN



INTERNATIONAL LINKS AND COLLABORATIONS

In 2014, the School had links with the following organizations: Salford University, Africa Medical Research Foundation (AMREF), Boston College of Nursing and University of Manchester

PUBLICATIONS

1. Nderitu P. A. Karani. Reciprocal relationship between Cancer pain and performance of activities of living; International Journal of Health, December 2014 vol 2 No. 1
2. P. Gitonga, A. Karani. Professional ethics among nurse educators in diploma nursing training colleges, Meru county, Journal of Midwifery. December 2014

6.4 School of Pharmacy

The School of Pharmacy is one of the five Schools which, together with University of Nairobi Institute of Tropical and Infectious Diseases (UNITID) and CHIVPRI constitute the College of Health Sciences of the University of Nairobi. The School comprises three departments namely:- Department of Pharmaceutical Chemistry, Department of Pharmacology & Pharmacognosy and Department of Pharmaceutics & Pharmacy Practice.

The School is charged with the mandate of training high caliber pharmaceutical health care personnel who provide Pharmaceutical Services to the community, industry and conduct innovative research in relevant areas.

PROGRAMMES OFFERED

In 2014, the School offered the following programmes:

- Bachelor of Pharmacy
- Master of Pharmacy in Clinical Pharmacy
- Master of Science in Pharmacognosy and Complementary Medicine
- Master of Pharmacy in Pharmaceutical Analysis
- Master of Pharmacy in Industrial Pharmacy
- Master of Pharmacy in Pharmacovigilance & Pharmacoepidemiology
- Master of Science in Molecular Pharmacology
- Doctor of Philosophy
- Postgraduate Diploma in Pharmaceutical Analysis

ENROLLMENT

In 2014, the School enrolled the following numbers:

Bachelor of Pharmacy	468
Master of Pharmacy in Clinical Pharmacy	24
Master of Science in Pharmacognosy and Complementary Medicine	5
Master of Pharmacy in Pharmaceutical Analysis	5
Master of Pharmacy in Industrial Pharmacy	7
Master of Pharmacy in Pharmacovigilance & Pharmacoepidemiology	21
Master of Science in Molecular Pharmacology	3
Doctor of Philosophy	10

INTERNATIONAL STUDENT COMPONENT

In 2014, the School had four international students drawn from South Sudan, Rwanda, Ivory Coast and Ethiopia.

INTERNATIONAL LINKS AND COLLABORATIONS

In 2014, the School had the following links: Tianjin University of Traditional Chinese Medicine, Katholieke Universiteit Leuven, Belgium , Kings College, Dept. of Pharmacy in London UK, Mercer University, Kansas , University of Cape Town, South Africa (through GIBEX project, University of Cape Town, South Africa (KeSA- NCST-NRF grant - Anti-helminthic Activity Bio-prospecting, African Institute of Biomedical Sciences and Technology - Aibst of Zimbabwe, University of Maryland – USA, University of Washington Seattle , Kenya Herbal Research Integration Association

(KHERIA)

STAFF

In 2014, the School had the following staff complement

Professor	6
Associate Professor	3
Senior Lecturer	10
Lecturer	17
Tutorial Fellows	2
Principal Technologist	3
Chief Technologist	2

GRADUANDS

In 2014, the School graduated the following numbers:

Bachelors	63
Masters	29
PhD.	3

6.5 School of Public Health

PROGRAMMES OFFERED

In 2014, the School offered the following programmes: Master of Public Health – MPH, Master of Science in Health Systems Management (MSc.HSM)

ENROLMENT

In 2014, the School had the following enrolment numbers

Masters in Public Health (MPH)	109
Master of Science in Health Systems Management (Msc.HSM)	11

INTERNATIONAL STUDENT COMPONENT

In 2014, the School had 12 international students drawn from Benin, Somali, Ethiopia, Nigeria, Sudan, Tanzania, South Sudan, Korea, and Sierra Leone

INTERNATIONAL LINKS AND COLLABORATION

In 2014, the School had the following links: American University abroad of Washington DC culminating in student exchange program during September - December 2014, University of North Carolina Chapel Hill, IPAS Africa Alliance January 2014 culminating in study on 'Survey Sexual and Reproductive Health Practices of UoN Students', Health Alliance, Africa hub 2011-2016: Developing capacity for Health Systems Research (HSR) across East & CENTRAL Africa. Project to assess and build capacity for HSR, Knowledge Translation and Implementation Research, on-going, College of Public Health, University of Nebraska, USA. Two faculty members from the USA visited the SPH and held a meeting with four faculty of the SPH., University of Minnesota, USA, Tufts University, Boston, USA.

In addition, the School maintained links with Schools of Public Health in East and Central Africa through One Health Central Eastern Africa (OHCEA) in improving household decision-making in lifestyle choices for healthier lives. 2013- 2014. Through the project the team intends to increase the capacity of households with knowledge on lifestyle choices that impact on health for better lives: Dr. Richard Ayah - Investigator (On-going)

STAFF

In 2014, the School had the following staff complement

Professor	4
Associate Professor	1
Senior Lecturer	3
Lecturer	8
Tutorial Fellow	1
ICT In-charge	1

GRADUANDS

In 2014, the School graduated the following numbers

Masters in Public Health	13
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6.6 Institute of Tropical and Infectious Diseases (UNITID)

The Institute was established as a training and biomedical research centre under the College of Health Sciences of the University of Nairobi. The institute is a virtual institute drawing its research, academic and administrative staff from the existing University of Nairobi staff structure and other research and training institutions locally and internationally.

PROGRAMMES OFFERED

In 2014, the Institute offered five programmes namely: Postgraduate Diploma in Research Methodology (PGD-RM), Master of Science in Tropical and Infectious Diseases (MSc. TID), Master of Science in Medical Statistics (MSc. MedStat), UNITID Fellowship and PhDs.

ENROLLMENT

In 2014, the Institute enrolled the following numbers:

Postgraduate Diploma in Research Methodology	5
MSc. Tropical and Infectious Diseases	11
MSc. Medical Statistics	14
PhD	9

INTERNATIONAL STUDENT COMPONENT

In 2014, the Institute had three international students.

RESEARCH ACTIVITIES UNDERTAKEN

1. Alleviating Childhood Malnutrition by Improved Utilization of Traditional Foods (WINFOOD)
2. Treatment of Childhood Under Nutrition: Development of and Access to Improved Foods (TREATFOOD)
3. A clinical trial agreement on phase III open label randomized comparative study to evaluate Azithromycin + Chloroquine and Sulphadoxine + Pyrimethamine combinations for intermittent preventive treatment (IPT) on falciparum malaria infection in pregnant women in Africa.
4. A clinical trial agreement on phase III open label non comparative study to evaluate parasitological clearance rates and pharmacokinetics of Azithromycin and Chloroquin following administration of a fixed dose combination of Azithromycin and Chloroquin (AZCQ) in asymptomatic pregnant women with plasmodium falciparum parasitemia in sub-Saharan Africa.
5. Harnessing mobile phone usage for HIV and horizontal health systems improvement: PMTCT.
6. A Double Blind Randomized trial of monthly treatment with tropical metronidazole and miconazole co-formulated vaginal suppositories versus placebo for preventing vaginal infections in HIV seronegative women.
7. Increasing Access to quality comprehensive HIV prevention services for most at risk populations in Nairobi County.
8. Pregnancy & HIV Risk Infections (HAPI Study)
9. Gender-Specific Combination HIV Prevention for Youth in High – Burden Settings (MP3)
10. International AIDS Research and Training Program-Ganjoni

INTERNATIONAL LINKS AND COLLABORATIONS

In 2014, the School maintained the following links: University of Manitoba, Canada , University of Washington, Seattle , Centre for Disease Control & Prevention (CDC), Pfizer Laboratories, South Africa , University of West Virginia, USA, Sunny Upstate University, USA.

In addition, the Institute had links with the following local organisaions: Nairobi City Council, Pumwani Maternity Hospital, Tigoni District Hospital , Kenya Medical Research Institute (KEMRI), Kenyatta National Hospital and Siaya District Hospital.

COMMUNITY OUTREACH

In 2014, the Institute participated in a medical camp for the most at risk children SWOP, at Pumwani Hospital.

GRADUANDS

In 2014, the Institute graduated the following numbers:

PhD	4
HIV Fellowship	15
MSc. Topical and Infectious Diseases	7
MSc. Medical Statistics	7
Postgraduate Diploma in Research Methodology	3

7.00

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

6.1 Centre for Advanced Studies in Environmental Law and Policy (CASELAP)

INTRODUCTION

Ph.D. Environmental Policy	29
Ph.D. Environmental Law	9
M.A Environmental Policy	48
M.A Environmental Law	56

RESEARCH ACTIVITIES

In 2014, staff were involved in research as follows:

Knowledge, attitudes and practices on community based climate change adaptation in the Mara river basin , improving access to justice and basic services in informal settlements of Nairobi , analysis of legal and policy framework for oil and gas in Kenya, rain water harvesting irrigation management for sustainable dry land agriculture, food security and poverty alleviation in sub-Saharan Africa, juridical status of Kenya: trans boundary waters” - a multi-year project influence of climatic factors and climate change adaptation strategies on farm productive efficiency in Kenya, impact of climate change and variability on farming systems in Africa, adaptation to climate change and its implications on households food security, in Kenya, explaining natural resource curse in Africa: the role of Dutch disease and institutions , economic valuation of the Yala swamp.

INTERNATIONAL LINKS AND COLLABORATION

In 2014, CASELAP maintained its international and local links and collaboration with organisations including: Ghent University, Belgium, United Nations Environment Programme, Gigiri, Nairobi, University of Gothenburg, Sweden, International Development Research Centre (IDRC), Canada, Zhejiang Normal University, Guangzhou, China, Hamburg University of Applied Sciences – Germany, Chartered Institute of Arbitrators – London, Africa Life Cycle Assessment Network (ALCANET), AgMIP (Agricultural Model Intercomparison Project) on Climate Change— Collaboration with International Center for Research Institute in Semi-Arid Tropics (ICRISAT—Ethiopia), Natural Resource Curse in Africa: Collaboration with University of Miami. Funded by IFPRI through AGRODEP

PUBLICATIONS

Josef Bryja, Ondrej Mikula, Radim Umbera, Yonas Meheretu, Tatiana Aghov, Leonid A Lavrenchenko, Vladim Mazoch, Nicholas Oguge, Judith S Mbau, Kiros Welegerima, Nicaise Amundala, Marc Colyn, Herwig Leirs and Erik Verheyen (2014) Pan-African phylogeny of *Mus* (subgenus *Nannomys*) reveals one of the most successful mammal radiations in Africa. *BMC Evolutionary Biology*, 14:256-276

Bryja J., Mikula O., Patzenhauerová H., Oguge N.O., Šumbera R., Verheyen E. (2014)

The role of dispersal and vicariance in the Pleistocene history of an East African mountain rodent, *Promys delectorum*. *Journal of Biogeography* 41: 196-208



J. Agwata et al. Analysis of Environmental Initiatives on Business Performance Sustainability at the Lake Naivasha Ecosystem, Kenya. *Journal of Environment and Earth Science*, ISSN 2224-3216 (paper) ISSN 2225-0948 Vol. 4, No. 2, 2014

J. Agwata et al. Socioeconomic Factors Hindering the Participation of Women in Managing Water Resources in Kajiado County, Kenya. *IOSR Journal of Humanities and Social Science (IOSR-JHSS)* Vol. 19, Issue 1, Ver. X (Feb 2014) PP 75-85 e-ISSN: 2279-0837, p-ISSN: 2279-0845. www.iosrjournals.org

J. Agwata et al. Business Sustainability: A Need To Re-look Environmental Practices And Initiatives. *European Journal of Business and Management* ISSN 2222-1905 (Paper) ISSN 2222-2839 (Online) Vol. No. 3, 2014

J. Agwata et al. Sources, Accessibility and Reliability of Water for Various Uses in Ruiru District of Kiambu County, Kenya. *International Journal of Sciences: Basic And Applied Research (IJSBAR)* ISSN 2307-4531 (Print & Online)

J. Agwata et al. Modelling of Hydrological Drought Events in the Upper Tana Basin of Kenya. *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)* e-ISSN: 2278-1684, p-ISSN : 2320-334X, Vol. II, Issue 1 ver. III (Jan. 2014), PP 41-48. www.iosrjournals.org

K. Muigua. "ADR: The Road To Justice In Kenya" Chartered Institute of Arbitrators (Kenya), *Alternative Dispute Resolution* Volume 2 No. 1, (2014), pp 28-95

S. D. Balew, J. F. Agwata and S. O. Anyango (2014) Determinants of Adoption Choices of Climate Change Adaptation Strategies in Crop Production by Small Scale Farmers in Some Regions of Central Ethiopia the *Journal of Natural Sciences Research, JNSR*. (2014)

E. W. Mugeru¹, J.F. Agwata and S. O. Anyango Sources, Accessibility and Reliability of Water for Various Uses in Ruiru District of Kiambu County, Kenya. *Journal of Natural Sciences Research* (2014)

C. Okidi. "Nile Waters: The Threat of War is not justifiable in Modern Times"

In Environmental Policy and Law: *The Journal for Decision-Makers*. Vol. 4-4 No. 1-2 (2014) pp. 176-180
Published in Bonn, Germany

R.Mulwa (2014): Non-parametric Estimation of Environmental Efficiency Using Data Envelopment Analysis and Free Disposable Hull, In (Osman, I. H., Anouze, A.L. and Emrouznejad, A. eds.) Strategic Measurement and Management Performance using Data Envelopment Analysis: Theory and Applications, IGI Global, Hershey PA, USA. Pp 437-466

Khoshroo, A. and Mulwa, R. (2014): Improving Energy Efficiency of Walnut Production: A Data Envelopment Analysis Approach, In (Emrouznejad, A. and Cabanda, E. eds.), Managing Service Productivity. Pp 227-240

Timu, A. G., Mulwa R., Okello, J. and Kamau, M (2014): The role of varietal attributes on adoption of improved seed varieties: the case of Sorghum in Kenya, Agriculture & Food Security, 3(9):1-7

STAFF

In 2014, the Centre had the following staff complement

Professor	1
Associate Professor	1
Senior Lecturer	4
Lecturer	3
Tutorial Fellow	2

GRADUANDS

Master of Arts in Environmental Law	4
Master of Arts in Environmental Policy	2

PAPERS PRESENTED

K. Muigua. International Arbitration Conference, "ADR: The Road to Justice in Kenya", Chartered Institute of Arbitrators – Kenya Branch, Conference held on 7th and 8th August, 2014 at Sarova Whitesands Hotel, Mombasa, Kenya

K. Muigua. East Africa International Arbitration Conference, "Promoting International Commercial Arbitration in Africa", The East Africa International Arbitration Conference, held on 28th – 29th July, 2014 at Fairmont the Norfolk, Nairobi.

S. Anyango. "Guidelines for Good Governance in Emerging Oil and Gas Producers " a paper presented in The Kenya Oil and Gas Working Group , National conference ; towards enhancing greater transparency, accountability and good governance in the oil and gas development (exploration and development) on the 10th December 2014 at the Silver springs Hotel Nairobi.

S. Anyango. "Country's Natural Resource Capital (Land, Forests, Wildlife, Fisheries, Energy and Water Resources)" a paper presented in the Wild Wide Fund Kenya strategic planning workshop in October 2014 at Amboseli lodge Kenya. Workshop.

R. Mulwa. Influence of climatic factors and climate change adaptation strategies on farm productive efficiency in Kenya, A project proposal presented in the 8th EFD Annual Conference in Dar es Salaam, 23rd October, 2014

7.2 Faculty of Arts

The Faculty of Arts is one of the largest faculties in the University. The Faculty has ten Departments of: Linguistics and Languages, Communication Skills, Literature, Geography and Environmental Studies, History and Archaeology, Psychology, Sociology and Social Work, Political Science and Public Administration, Philosophy and Religious Studies and Kiswahili and one sub –department of French.

STAFF

In 2014, the Faculty had the following staff complement

Professor	18
Associate Professor	34
Senior Lecturer	58
Lecturer	102
Assistant Lecturer	13
Tutorial Fellow	25
Visiting Lecturer	3
Graduate Assistant	1

ENROLLMENT

In 2014, the Faculty enrolled the following numbers:

Ph.D	80
Masters	605
Post Graduate Diploma	22
Bachelors	8026
Diploma	293
Certificate	104

GRADUANDS

In 2014, the Faculty graduated the following numbers:

Ph.D	13
Masters	243
Post Graduate Diploma	81
Bachelors	1391
Diploma	107

RESEARCH ACTIVITIES

In 2014, staff were involved in the following activities

Project Name	Project Coordinator(s)/Member(s)
Food planning and innovation for sustainable metropolitan regions (FOODMETRES) – Nairobi case study	Dr. S.O. Owuor, Dr. D. Foeken, Dr. R. Simiyu & Ms. T. Mbatia
Integrated graduate education research traineeship (IGERT) project	Dr. A.O. Odingo
Urban national parks in emerging countries and cities (UNPEC)	Ms. T. Mbatia
Water sector reforms and interventions in urban Kenya (WASRIIP)	Dr. S.O. Owuor & Dr. D. Foeken
Feasibility and effectiveness of low-intensity CBT for women affected by urban violence in urban Kenya	Prof. R. Bryant, Dr. M. Humphrey, Dr. A. Schafer, Mr. L. Ndogoni & Ms D. Anjuri
Enhancing the quality of graduates of agriculture and veterinary sciences to meet tomorrow's food security challenges (PREPARE- BSc) in East Africa	Dr. B.N. Wambua
Eastern Mau: Focus Forest Use, Conflicts and Legal Pluralism Collaboration with University of Nairobi.	Dr. T. Thenya
Overview of Sustainable Development Policies in Africa	Dr. T. Thenya
The Baseline Survey on Water Harvesting for Sustainability and Food Security in Kenya: The Case of Rombo, Oloitoktok Kajjido Kenya	Bahemuka J.M 2014: Team Leader.
Elimika: Construction of Knowledge Societies	Bahemuka J.M 2014
2012 July-June 2015: Researcher, "Establishment of Korean Studies at the University of Nairobi Project." Supported by the Academy of Korean Studies, Seoul.	Prof. P. Wasamba, Project Co-ordinator Prof. Enos Njeru, Project Director Dr. Jane Oduor, Co-Researcher.
2011-2014: Research: "Bridging the Divide: Networking African and Korean Researchers," supported by the Academy of Korean Studies, Seoul.	Prof. D.H. Kiiru and Prof. P.Wasamba, Co-Researcher

The Department of Literature secured the Kaze Ni Tatsu Lion Film Production Project." Rakueisha Film Company in collaboration with the University of Nairobi. Through the project ED 116 can be refurbished.

LINKS AND COLLABORATION

In 2014, through various departments, the Faculty maintained links with the following organisations:

Institution	Country
African Studies Centre	Netherlands
Centre for Development and Environment, University of Berne	Switzerland
Centre for Research in Arid and Semi-Arid Development (CETRAD)	Kenya
Department of Geography, McGill University	Canada
Institute of French Research in Africa (IFRA)	Kenya
Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences	China
Linköping University	Sweden
Mitsubishi Corporation, Nairobi Liaison Office	Kenya/Japan
National Environment Management Authority (NEMA)	Kenya
Royal Holloway University, London	UK
United Nations University (UNU)	Japan
University Bordeaux Montaigne	France
Tiajin University	Kenya/China
United Nations	UK/Kenya
European Union	UK/Kenya
University of Geneva	
Universidade of Maputo	Mozambique
Universidade Pedagógica, Mocambique	Mozambique

Stellenbosch University	South Africa
University of Hamburg	Germany
Debre Markos University	Ethiopia
Humboldt University, Berlin	Germany
Soka University	Japan
Rakueisha Company	Japan
Ministry of Education	Kenya
Ministry of Sports, Culture Arts and Culture	Kenya
Makere University	Uganda

PUBLICATIONS

Akaranga S.I. and Jude J.Ongong'a (2014), "The Suppression of Women by Religion: A Kenyan Example", in Journal of Educational Policy and Entrepreneurial Research, Vol.1 No.4 December

A. N Wanjala "Defining the self through Autobiography: Saga Mc Odongo's Deadly Money Maker." Nairobi Journal of Literature, 2014.

Al.N Wanjala "Ngang'a Mbugua's Different Colours as an Allegory of the Kenyan Nation." Chemchemi Journal, 2014.

A. N Wanjala "The art of narrating pain in Margaret Ogola's Place of Destiny." In *Readings on Margaret Ogola* (Nairobi: Goethe Institute and Native Intelligence) 2014.

A. N Wanjala "Understanding Modern Korea through Oral Testimonies." HEKIMA journal, 2014.

A. Rinkanya Evolution of female identity in Moyez Vassanji's novel The in-between world of Vikram Lall // Awaaz Voices, Nairobi, Vol. 11, Issue 2, 2014, pp. 29-31

A.Rinkanya Shifting identities in The in-between world of Vikram Lall // Subaltern Speaks: An International Journal of Postcolonial Studies, Maharashtra, Vol. III, Issue I, Oct. 2014, pp. 1-20

Ayiemba, E.H.O & F.N. Mutui (2014), An assessment of available educated labour force for sustainable environmental conservation and management in Tana River County. In E. Ayiemba, S. Owuor, A. Omambia & P. Bhanderi (eds.), Tana River County: Sustainable Resource Utilization and Environmental Management. Nairobi: UoN/NEMA/Wetlands International, pp. 32-43.

Baraton Interdisciplinary Research Journal (BIRJ) URL: www.ueab.ac.ke/BIRJ

Barretta-Herman, A., Leung, P., Littlechild, B., Parada, H., and Wairire, G.G. (2014) The changing status and growth of social work education worldwide: Process, findings and implications of the IASSW 2010 Census in International Social Work. Published online 6th October 2014

Benit-Gbaffou, C., P. Gervais-Lambony, K. Ginisty & S. Owuor (2014) Résistances quotidiennes à l'injustice en ville. Contrôle social local, opportunités politiques et modes d'expression du sentiment d'injustice dans l'espace public urbain. In P. Gervais-Lambony, C. Bénit-Gbaffou, A. Musset, J.L. Piermay & S. Planel (eds), La justice spatiale et la ville, regards du Sud. Paris: Karthala, pp. 207-226.

Benit-Gbaffou, C., S. Oldfield, W. Belarbi, A. Iraki & S. Owuor (2014) Mouvement sociaux urbains et injustice spatiale. La difficile mobilisation des «droits ». In P. Gervais-Lambony, C. Bénit-Gbaffou, A. Musset, J.L. Piermay & S. Planel (eds), La justice spatiale et la ville, regards du Sud. Paris: Karthala, pp. 227-244.

Bhanderi, P., E. Ayiemba, S. Owuor, A. Omambia, B. Wambua & W. Busienei (2014), Sustainable resource utilization

and environmental management in Tana River County: Recommendations and policy options. In E. Ayiamba, S. Owuor, A. Omambia & P. Bhanderi (eds.), *Tana River County: Sustainable Resource Utilization and Environmental Management*. Nairobi: UoN/NEMA/Wetlands International, pp. 169-178.

Gatumu HN, Kariuki SN, Kinai T, Aloka PJO, Ndeke SFN. "Relationship between Adolescents' Perceptions of Their Parents' Behaviours and 3 Youths' Non-Illegal and Minor- Illegal Delinquency in Nairobi Secondary Schools, Kenya." *Mediterranean Journal of Social Sciences*. 2014;5(7):390-401.

Gona, G. (2014) *Zarina Patel: the Indomitable Spirit*. Nairobi: Mvule Africa Publishers. (Book)

Gona, G. and M. Mungai, "Introduction" in Gona, George and Mbugua wa Mungai, eds.(Re)membering Kenya Vol.2, Nairobi, Twaweza Communication, 2014.

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Gona, George, " Dealing with the Effects of the 2007/2008 post-elction violence: Kenya's Dilemmas" in Gona, George and Mbugua wa Mungai, eds.(Re)membering Kenya Vol.2, Nairobi, Twaweza Communication, 2014.

H. Spitzer, J.M. Twikirize, G.G Wairire, *Professional Social Work in East Africa; Towards Social Development, Poverty Reduction and Gender Equity*, Fountain Publishers, 2014. ISBN: 978-99-70-25-367-8 (Paperback), ISBN; 978-99-70-25-370-85 (e-book).

I. Mwangi , 2014 "Towards Re -defining the Institution of Marriage: New Historicism Approach to Kiswahili Prose" in *International Journal of Liberal Arts and Social Science*. Vol. 2 No. 7 (Sept). ISSN 2307-924X, pp 115 – 123. (With Leo Sanja and E. M. Mbuthia) http://www.ijlass.org/data/frontImages/gallery/Vol._2_No._7/11.pdf

I. Mwangi, 2014 "An Analysis of Stylistic Trends in Published Kiswahili Short Story Genre" in *Journal of Education and Practice (JEP)* Vol. 5, No. 8. ISSN (Paper) 2222-1735 ISSN (Online) 2222-288X, pp. 32-42 (With E. M. Mbuthia) <http://www.iiste.org/Journals/index.php/JEP/article/view/11248/11559>

I. Mwangi , "Strategies and Challenges of Communicating Gender Information in a Non-Gender Marking Language: The Case of Kiswahili" in *Reyono Journal of Interdisciplinary Studies*. St. Thomas College, Kozhencherry, India. ISSN 2277-7652. Vol. 3, No. 2 (With John Habwe)

Iribe Mwangi , 2014 Book Chapter, "Mofonolojia ya Kiswahili Sanifu: Matatizo Katika Machapisho Yake" in Michira, J. N. et al. *Ukuzaji wa Kiswahili: Dhima na Majukumu ya Asasi Mbalimbali*. Nairobi: Focus Publishers. Pp 32-45. ISBN 9966-01-224-1.

Iribe Mwangi , 2014 ,Edited *Ukuzaji wa Kiswahili: Dhima na Majukumu ya Asasi Mbalimbali Ukuzaji wa Kiswahili: Dhima na Majukumu ya Asasi Mbalimbali*. Nairobi: Focus Publishers. ISBN 9966-01-224-1. (With Nyachae Michira and Mwenda Mbatiah

Iribe Mwangi , 2014 "Kiswahili as an Official Language in Kenya: Its Past, Present and Future Roles and Challenges" in *Reyono Journal of Interdisciplinary Studies*. St. Thomas College, Kozhencherry, India. ISSN 2277-7652. Vol. 3, No. 1, pp 42 – 52. (With J. N. Michira)

Iribe Mwangi ,2014 "Uchapishaji wa Bunilizi za Kiswahili: Ukweli-kinzani na Umuhimu wa Mwelekeo Mpya" in Michira, J. N. et al. *Ukuzaji wa Kiswahili: Dhima na Majukumu ya Asasi Mbalimbali*. Nairobi: Focus Publishers. Pp 46-56. ISBN 9966-01-224-1. (With Kiarie Kamau)

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191-198.(WithFB.Mutua) <http://www.iiste.org/Journals/index.php/JEP/article/view/11248/11559>

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Kiiru, M.D.H. ""Patrice Lumumba: Voices of Liberation,"," The African Book Publishing Record . 2014;40(2):233-237.

Kiiru, M.D.H . "Going Gentle into That Good Night: Indigenous Therapy on Death in Kenya." Procedia—Social and Behavioral Sciences. 2014;Volume 114(4th World Conference on Psychology, Counseling and Guidance (WCPCG-2013) Edited by Tulay Bozkurt and Mukaddes Demirok):298-310 .

Kinyua K, Okunya OL. "Validity and reliability of teacher-made tests: Case study of year 11 physics in Nyahururu District of Kenya." African Educational Research Journal. 2014;2(2):61-71.

Kithiia, S.M., G. Krhoda & B.N. Wambua (2014), Land alienation, livelihoods and integrated water resources management strategy in Tana River County. In E. Ayiemba, S. Owuor, A. Omambia & P. Bhanderi (eds.), Tana River County: Sustainable Resource Utilization and Environmental Management. Nairobi: UoN/NEMA/Wetlands International, pp. 95-103.

Maweu, J. and Wasserman, Herman. 2014. "The tension between ethics and ethnicity: Examining journalists' ethical decision-making at the Nation Media Group in Kenya". Journal of African Media Studies Volume 6, Number 2, 1 June 2014, pp. 165-179 (DOI: 10.1386/jams.6.2.165_1)

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Michira J.N. (2014). "The Language of Politics: A CDA of the 2013 Kenyan Presidential Campaign Discourse" in International Journal of Education and Research (IJER), Vol. 2 No 1, Contemporary Research Center, Australia. ISSN 2201-6333 (Print) 2201-6740 (Online), pp 1-18.

Michira N, IRIBEMWANGI PI, Mbatia M, Mutiga J. "Uwezeshaji Lugha ili Kuleta Maendeleo: Sera, Utendaji na Nafasi ya Kiswahili." In: Ukuzaji wa Kiswahili. Nairobi: Focus Publishers Limited; 2014.

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Michira N., I. Mwangi and M. Mbatiah (Eds. 2014). Ukuzaji wa Kiswahili: Dhima Na Majukumu ya Asasi Mbali Mbali. Nairobi: Focus Books. ISBN 9966-01-224-1

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Mukhwana A, "Incongruity in stereotype jokes by the Gikuyu towards the Gikuyu" with Kabiru, W. Dainah, Article published in "International Journal of Education and Research Vol. 2/1 January 2014

Mukhwana A, "Language attitudes towards mother tongues in Urban Kenya" in *HEKIMA-Journal of the Humanities and Social Sciences* Vol. VI, No. 1 2014. Pp 86-101

Mukhwana A, 2014: "Language planning in Pre-colonial Kenya" Article published in, *BEST: International Journal of Humanities, Arts, Medicine and Sciences-ISSN(E) 2348-0521*.PG.27-34.

Mumma - Martinon, C.A. (2014).The African forum for Catholic Social Teaching (AFCAST) Peace building and promotion through Clinical Health: Perspectives from a Clinical Psychologist in Kenya in E. Omondi Opondo &D.Kaulemu, *Catholic Church Leadership in Peace Building in Africa*, (pp.154-172). Paulines Publications Africa.

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Nyerere, J., O. Mfune, D. Fuh, N. Sulemana, E. Mutisya, G. Yiran, O. Fadairo, J. Ameyaw, A.A. Oluoko-Odingo (2014), The role of higher education in building a sustainable African society. *African Journal of Sustainable Development* 4 (3).

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Omambia, A., S. Owuor, W. Busienei & W.C.O. Ngolo (2014), Introduction. In E. Ayiemba, S. Owuor, A. Omambia & P. Bhanderi (eds.), *Tana River County: Sustainable Resource Utilization and Environmental Management*. Nairobi:

UoN/NEMA/Wetlands International, pp. 8-14.

Orao J. "Metaphern der Migration: die Figurationen des Reisens in der zeitgenössischen deutschsprachigen Migrationsliteratur.". In: Schwerpunkte der DaF-Studiengänge und Germanistik im östlichen Afrika. Göttingen: Universitätsdrücke Göttingen; 2014.

Orao J. Selbstverortungen – Migration und Identität in der zeitgenössischen deutsch- und englischsprachigen Gegenwartsliteratur.. Frankfurt am Main: Peter Lang; 2014.

Pamela O.N, African Women Traders in Nairobi in the First Decade After World War I 1919-1929 published in Thought and Practice: A Journal of the Philosophical Association of Kenya, Vol. 6, No 1, June 2014.

Pamela O.N, Gender and Culture: Some Reminiscences of Sulmena Adek Otula from Childhood in a Rural Set up to Residence in Post-Colonial Nairobi, 1949-2006 – published online in the International Journal of Humanities and Social Studies, Vol 2, Issue 11, Nov 2014.

Schafer, A. & L. Ndogoni (2014), Mental health and psycho-social support in emergencies: Exploring the potential of faith to enhance response and recovery. Journal of Psychology and Christianity, 33(2): 184-193.

Shah, P. & E. Irandu (2014), Ecotourism as a strategy for promoting conservation of biodiversity in Tana River County. In E. Ayiamba, S. Owuor, A. Omambia & P. Bhanderi (eds.), Tana River County: Sustainable Resource Utilization and Environmental Management. Nairobi: UoN/NEMA/Wetlands International, pp. 44-50.

Timammy R. & Swaleh A. "Wanawake Wachukua Hatua Nyingine" Analysing women's identities in Kiswahili short stories" Swahili forum 20 (2914:102-114 ISSN 1614-2373 ,Http:www.uni-leipzig.de/_africa.)swafo

Timammy R. "Rununu kama chombo cha uendelezaji wa ushairi na Kiswahili kwa ujumla" katika ukuzaji na maendeleo ya Kiswahili. Dhana na majukumu ya asasi. Mbalimbali, edited by Michira, N, P. Iribe Mwangi & Mbatiah . Focus publishers Nairobi. (2014) pgs.149-155 ISBN 9966-01-211-9

Tom Olali, Alawiyya Sufism and the Sufi: Diffusion and Counter-Diffusion of Swahili Islamic Mysticism in the Lamu Archipelago, Kenya(International Journal of Humanities, Social Sciences and Education, Volume 1, Issue 12, 2014

Tom Olali, Some Impediments in the Adoption and Use of Computer Technology at the University of Nairobi. (International Journal of Humanities, Social Sciences and Education, Volume 1, Issue 11, 2014

Tom Olali, Using Idiomatic Expressions as Rhetoric: A Strategy Towards Acculturation by Kenyan Students in China. (International Journal of Education and Research, Volume 2, Number 3, 2014

Wambua, B.N. & E.P. Malunga (2014), Infrastructural development using stabilized soil blocks as a tool for climate change mitigation and sustainable development in Malawi. Asian Journal of Engineering and Technology (AJET) 2(4)

Wambua, B.N. & S.M. Kithiia (2014), Effects of soil erosion on sediment dynamics, food security and rural poverty in Makueni District, Eastern Kenya. International Journal of Applied Science and Technology (IJAST) 4(1)

Wambua, B.N., K. Omoke & T.M. Mutua (2014), Effects of socio-economic factors on food security situation in Kenyan dry lands ecosystem. Asian Journal of Agriculture and Food Science (AJAFS) 2(1)

Wambui Kogi Makau W.K, Gitau A.N. Mugachia J.C, Ocharo R.M. Kamau H.K. Wambua J.M., Luvai A.K. 2014.8. Rain Water Harvesting for Enhanced Household Water, Food and Nutritional Security: The Case of Kitui West, Lower Yatta and Matinyani Districts, Kenya Journal of Environment and Earth Sciences, Vol. 4. No. 14, 2014. Pp 63-69. ISSN 2224-3216(paper), ISSN 2225-0948 (online)

Wango JM, Elijah DM, Kimani EN. "Gender-related challenges faced by students in learning technical courses in Machakos technical training institute, Machakos County-Kenya." *Prime Journal of Social Sciences*. 2014; Volume 3 (Issue 1):557-564.

Wasamba ,P and Jennifer Muchiri. "Overcoming Challenges in a Strange Research Locale: Reflections of Fieldwork Experiences in the Republic of Korea." *HEKIMA: Journal of Humanities and Social Sciences*. UoN. Vol. VI. No. 2, 2014

Wasamba, P. "Prospects for Korean Studies in Africa: The Case of University of Nairobi." *African East-Asian Affairs*. Stellenbosch University. Issue 3, September 2014, 38-53.

Wasamba, P. "Voicing Seoul Metropolis: The Other Side of Urbanization in Korea." *HEKIMA: Journal of Humanities and Social Sciences*. UoN. Vol. VI. No. 1, 2014, 119-134.

Mugambi J.N.K. "The Artist in the Religious Context", in Harold Miller, ed., *The Murang'a Murals*, H.F. Miller, 2014, pp. 37-44.

Mugambi J.N.K. [Unresolved Questions in Innovation Ethics], in Claude Bastos de Morais Christoph Stückelberger (editors), *Innovation Ethics: African and Global Perspectives*, Geneva: Globethics.net, 2014.

Mugambi J.N.K. "Water as Basic Necessity for Life", Documentary Video, Nairobi: Acton, 2014.

PAPERS PRESENTED

Nzioka C.B. K., Kibuka T., Oyugi S., Kimutai E, Orago A., Kilonzo N., Mwesigye I., Alwan F, Hassan A, Kassa A'HIV and AIDS in cross border mobile populations: behavioral surveillance survey among truckers in the IRAPP – supported hotspots in Kenya A paper presented at the 1st IGAD International Scientific Conference on Health at Addis Ababa, Ethiopia December 3 – 6, 2014

Mumma - Martinon, C.A. (2014). *Effective Engagement of Stakeholders By Oil And Gas Companies: A Case Of The Stakeholder Relationship Management Tool In Kenya*. Society of Petroleum Engineers. SPE African Health, Safety, Security, and Environment and Social Responsibility Conference and Exhibition, 15-17 September, Maputo, Mozambique.

Ayiemba, E.H.O & F.N. Mutui (2014), An assessment of available educated labour force for sustainable environmental conservation and management in Tana River County. National Scientific Conference on the Tana River County. Mombasa, Kenya, 25-27, February.

Ayiemba, E.H.O. (2014), Opportunities for the development of landscape approaches in Kenya: An academic perspective. 7th Horn of Africa Regional Environmental Conference (HOA-REC). Addis Ababa, Ethiopia, 24-28 November.

Gona G., Presented paper at the History Workshop Seminar, University of the Witwatersrand, Johannesburg, 3rd June 2014. Title of Paper "On Writing Zarina Patel: the Indomitable Spirit"

Jennifer Muchiri, *The Human Condition and Dystopia in Cho Se-hui's*, at the Korean Studies International Conference, Nairobi. 12-13 December 2014.

Katete, George Onyango, International conference sponsored by Humboldt Stiftung/Foundation held 6 – 8 March 2014 in Safari Park Hotel, Nairobi, Kenya, *The Politics of Regional (Dis) integration: Political, Security and Economic Intrigues in East and Horn of Africa over integration into EAC and IGAD*

Masumi Odari "Promoting Peace through Korean Children War Stories: A Case Study of When My Name was Keoko and Year of Impossible Goodbyes" A paper presented at the Korean Studies International Conference, Nairobi. 12-13 December 2014.

Mugambi J.N.K. "Ecology, Identity and Conflict in Africa", Paper presented at the Jesuit Institute of Peace Studies and International Relations Nairobi, 28 March 2014.

Mugambi J.N.K. "Gender and Culture Sensitivity across Ecumenical Frontiers", Paper Prepared for the WSCF Consultation on Gender, Identity, Diversity and Dialogue, Geneva, 14-21 June, 2014.

Mugambi J.N.K. "Giving Account of our Hope as Christians in Africa", Keynote Address to the CAPA Consultation on Transformative Theological Education, Nairobi, 2-6 September 2014.

Mugambi J.N.K. "Money and Ministry" Paper presented during the Annual Meeting of the Africa Society of Evangelical Theology, Karen – Nairobi, 1 March 2014.

Mugambi J.N.K. "Surplus Capital as Prerequisite for Effective Mission" Paper prepared for presentation at the IAMS Conference on Missions and Money, Helsinki Finland, 2-6 April 2014.

Mugambi J.N.K. Trends in African Christian Theology", One-session Seminar Paper presented at International Leadership University" 22 February 2014.

Mugambi J.N.K. Water as basic Necessity for Life: A Theological Reflection", Presentation for the Ecumenical Network Consultation", Geneva, 8-10 December 2014.

Mumma - Martinon, C.A. 5th June 2014: Peace Conference on Transitional Justice and Reconciliation in Kenya. Hakim College (Presented a paper). "After the Truth Justice and Reconciliation Commission, What are the steps forward for Reconciliation and National Healing"?

Mwiandi M., Presented a paper at workshop entitled "Water, Conflicts and Conflict Resolution" at the National IGAD Training Workshop on Transboundary Water Resource Management held at Merica Hotel, Nakuru on 15 – 19 December 2014. Nairobi, 9 May, 2014.

Owuor, S.O., T. Mbatia & P. Shah (2014), Conservation of Karura forest reserve and its role in providing environmental services to Nairobi city. Round Table Workshop. Kampala, Uganda, 2, October.

Wafula, G.K, "Archaeological Heritage and Public Benefits: Effectiveness of Kenya's legal, administrative and policy framework" presented on my behalf by Prof. Ephraim W. Wahome on May 16, 2014 at the Institute of Archaeology (University College London) Conference on 'The impact of cross-disciplinary conservation on social development'.

Wafula, G.K. Presented paper on January 31, 2014 at the HCHR, BIEA and IFRA Authors' Meeting at Kileleshwa entitled: "Archaeology, Heritage and the Public in Kenya: Literature Review on the Question of Relevance".

PAPERS PRESENTED IN SEMINARS & CONFERENCES



Akaranga S.I. and Jude J. Ongong'a, 30th July to 2nd August, 2014 –First International Kisii Interdisciplinary Conference-Hosted at Kisii University. Paper presented , The Suppression of Women By Religion: A Kenyan Example.

Akaranga S.I. and Jude J.Ongong'a (2014), "The Suppression of Women by Religion: A Kenyan Example" A Paper presented on 30th July to 2nd August, 2014 at First International Kisii Interdisciplinary Conference-Hosted at Kisii University and Culture in the History of Kenya'

Ayiemba, E.H.O & F.N. Mutui (2014), An assessment of available educated labour force for sustainable environmental conservation and management in Tana River County. National Scientific Conference on the Tana River County. Mombasa, Kenya, 25-27, February

Ayiemba, E.H.O. (2014), Opportunities for the development of landscape approaches in Kenya: An academic perspective. 7th Horn of Africa Regional Environmental Conference (HOA-REC). Addis Ababa, Ethiopia, 24-28 November

George Gona, Presented paper at the History Workshop Seminar, University of Witwatersrand, Johannesburg, 3rd June 2014. Title of Paper "On Writing Zarina Patel: the Indomitable Spirit"

Godwin Siundu, Under American Eyes: Letters from Joseon and the Diplomatic Gaze in 19th Century Korea. A paper presented at the Korean Studies International Conference, Nairobi. 12-13 December 2014

Jacinta Mwende, Is Looking East a Lesser Evil? The Politics of China's Soft Power in Kenya and its implications for media Freedom and cultural Values (Paper presented at the International Symposium on China's Soft Power in Africa: emerging media and cultural relations between China and Africa at Nottingham University's Ningbo Campus – China on 3-6th Sept. 2014)

Jacinta Mwende, Peace Journalism or Self Censored Reporting? How news Coverage of 2013 General elections in Kenya compromised the Media's Watchdog Role (paper presented at IPRA 2014 conference in Istanbul, Turkey, 10-15 August 2014)

Jacinta Mwendu, Worthy and Unworthy Victims? The Nexus between Media and Political Power in validating the Role of the International Criminal Court in the Kenyan Cases (paper presented at the IAMCR 2014 conference in Hyderabad, India, 15-19 July, 2014)

Jennifer Muchiri, The Human Condition and Dystopia in Cho Se-hui's The Dwarf and Meja Mwangi's The Cockroach Dance. A paper presented at the Korean Studies International Conference, Nairobi. 12-13 December 2014

Katete, George Onyango, International conference sponsored by Humboldt Stiftung/Foundation held 6 – 8 March 2014 in Safari Park Hotel, Nairobi, Kenya. Paper presented entitled The Politics of Regional (Dis) integration: Political, Security and Economic Intrigues in East and Horn of Africa over integration into EAC and IGAD

Kithiia, S.M., G. Krhoda & B.N. Wambua (2014), Land alienation, livelihoods and integrated water resources management strategy in Tana River County. National Scientific Conference on the Tana River County. Mombasa, Kenya, 25-27, February

Masumi Odari "Promoting Peace through Korean Children War Stories: A Case Study of When My Name was Keoko and Year of Impossible Goodbyes" A paper presented at the Korean Studies International Conference, Nairobi. 12-13 December 2014

Mikalista, S.M. (2014), Population change, socio-economic characteristics and soil erosion: The case of Nyando District, Kenya. ICCAE Seminar, School of Agricultural Sciences, Nagoya University, Japan, 24 March

Mikalista, S.M. (2014), Socio-economic determinants of household food security among smallholder farmers: A case study of Vihiga and Busia Counties, Kenya. ICCAE Seminar, School of Agricultural Sciences, Nagoya University, Japan, 25 February

Milkah A. Achola March 6th -7th 2014, Conference on The History of Poverty in Africa: A Central Question? Submitted to Colombia University, U.S.A.

Milkah A. Achola May 2nd – 3rd 2014, Conference on Women and Food Security in Kenya. "Women, Culture and Food Security in Kenya", by AWSC, UoN

Mumma - Martinon, C.A. 5th June 2014: Peace Conference on Transitional Justice and Reconciliation in Kenya. Hakim College (Presented a paper). "After the Truth Justice and Reconciliation Commission, What are the steps forward for Reconciliation and National Healing"?

Mumma - Martinon, C.A. 8th -9th October, 2014: Conference on Transitional Justice on Post Conflict Societies. Hakim College. Institute of Peace studies and International Relations. Nairobi, Kenya. Presented a paper.

Nzioka C.B.K Participated as Member of the Scientific Steering Committee organizing the 1st IGAD International Scientific Conference on Health at Addis Ababa, Ethiopia December 3 – 6, 2014

Nzioka C.B.K. Attended the "Scenario Building Workshop on the Future trends of HIV and AIDS" between 10th to 12th June, 2014 organized by UNAIDS in Johannesburg, South Africa

Nzioka C.B.K. Chaired Session on "Innovations, Research and Animal/Human Health in Pastoralist Setting" at IGADs 1st International Scientific Conference on Health at Addis Ababa, Ethiopia December 5, 2014

Odeny G.O, Conference at Kenyatta University between 19th June 2014 and 21st June 2014, Theme of the Conference is "Refugees and IDPs in a Historical Perspective: The East African Experience".

Oluoko-Odingo, A. & E.H.O. Ayiemba (2014), Gender imperatives against climate risks and building resilience for

sustainability. National Scientific Conference on the Tana River County. Mombasa, Kenya, 25-27, February

Oluoko-Odingo, A.A. (2014), Post-2015 Development agenda: Integrating population, climate change, environment and development in Kenya. Pan African Climate Justice Alliance (PACJA) and Population Action International (PAI) Workshop. Nairobi, Kenya, 3 April

Oluoko-Odingo, A.A. (2014), Women leading change together. Conference of the Soroptimist International of Great Britain and Ireland. Harrogate, 6-8

Omondi E., 21st March 2014: Education Day for Gwasi County of Homa Bay Presented a paper entitled "The 21st Century Teacher". From 12th -16th May 2014

Omondi Involved in Training for Teachers at Chulaimbo in Kisumu County

Oriare Nyarwath, A paper presentation at Ubuntu Colloquium, June 23-25, 2014 at the University of Pretoria.

Owuor, S.O. (2014), Tana River County: Facts and Figures. National Scientific Conference on the Tana River County. Mombasa, Kenya, 25-27, February

Owuor, S.O. (2014), Urbanization, poverty and spatial injustice in Kenya. ESRC-DTC Workshop. London, United Kingdom, 17, September

Owuor, S.O., L. Techsel & U. Weismann (2014), Urbanization, migration and economic development. IGS-NSS Summer School. Nanyuki, Kenya, 1-10, September

Owuor, S.O., T. Mbatia & P. Shah (2014), Conservation of Karura forest reserve and its role in providing environmental services to Nairobi city. Round Table Workshop. Kampala, Uganda, 2, October

P. Jerono 2014, October 21st-24th CHAKITA conference at Kenya Institute of Curriculum Development, Nairobi and Presentation of Paper on "Kiswahili na uanahabari katika utandawazi".

Paper Presented: 'Cultural adaptability and change in Tana River County'

Paper Presented: 'Tracing the Forgotten Heritage: The Place of Mau Mau Memory

Presented a paper on How to Develop Creative Thinking in a learner

Presented a paper titled: "The Politics of Exclusion and Ethnic Conflicts in Post-Colonial Kenya, 1963-2014 at Kenyatta University on 19th June 2014 - 21st June 2014

Shah, P. & E. Irandu (2014), Ecotourism as a strategy for promoting conservation of biodiversity in Tana River County. National Scientific Conference on the Tana River County. Mombasa, Kenya, 25-27, February

Simiyu V.G "Kenya's Fifty Years after Independence" organized by IFRA (French Institute in African Research, June 2014

Simiyu V.G High Level Seminar organized by the National Defense College, Karen, October, 4th to 6th October, 2014. Presented a paper: "Entry of Kenya into Somalia: Securing Lessons from History".

Thenya, T. (2014), Environmental stewardship: Promoting best practice in natural resources management. Green Belt Movement Learning Centre, Nairobi, Kenya, 7 July

Thenya, T. (2014), Feasibility study on the conservation of the wider Eburu forest ecosystem through the establishment and management of the wildlife corridors and dispersal areas

Thenya, T. (2014), Forest landscape restoration options and assessment criteria based on existing restoration initiatives. Kenya Wildlife Service, Nairobi, Kenya, 25 November

Timammay R, Kamusi za Afrika Mashariki: Mitazamo, uhalisis, mielekeo na falsafa (perceptions, realism direction and the philosophy in the East Africa Swahili Dictionaries)

Tom Olali, 'English Drama Get Lost!' A Concise History and Exploration of the Development of the Kiswahili Drama since 1957 to 2014 "Rethinking Diversity in African Societies and Cultures: Beyond Homogeneous Boundaries" 28-29 November 2014, Hankuk University of Foreign Studies, South Korea

Wahome E.W., IFRA Conference on Nation Building 12th-13th June, 2014. BIEA-IFRA, Nairobi, Kenya. Paper presented: Kenya to 1920: A contested landscape and lessons for Nationalism

Wahome E.W., IFRA Symposium on Tourism titled 'Understanding oneself and others: New Domestic and International Tourism practices and the Promotion of Heritage and Tourism in East Africa 16th to 17th July, 2014. Louis Leakey Auditorium, Paper Presented: Thenatourism: A case for sustainable Mau Mau Heritage Conservation in Central Kenya

Wahome E.W., IFRA Workshop: The Conservation of Cultural and Natural Heritage in Kenya: Cross-Disciplinary Approaches in Theory and Practices. Author's Seminar, 31st January 2014, BIEA-IFRA, Nairobi, Kenya

Wahome E.W., Kenyatta University Conference on Refugees and IDPs in a historical Perspective. June 19th-21st, 2014- KU conference Centre, -Paper presented: Cultural adaptation and change as a traditional mechanism for conflict resolution: A case of internal displacement and assimilation in the Tana River County

Wahome E.W., National Scientific Conference on Tana River County: The impact of climate change on natural resources and human activities in Tana River County, Kenya February 25-27th, 2014, Northcoast Beach Hotel, Mombasa, Kenya

Wahome E.W., University College London Conference, on The impact of cross-disciplinary conservation on Social Development – 17th-19th May 2014, UCL, London, UK, Paper presented: Conserving for Whom? Sociological impediments in heritage conservation in Kenya

Wairire, G.G. (2014) Towards indigenized social work education and practice in East Africa: The missing links. A paper presented at the Joint World Conference on Social Work, Education and Social Development 2014 themed 'Promoting Social and Economic Equality: Responses from Social Work and Social Development' organized by the International Association of Schools of Social Work, International Federation of Social Workers and the International Council for Social Welfare held at the Melbourne Convention and Exhibition Centre, Melbourne – Australia, 9th -12th July 2014. <http://www.swsd2014.org/program/>

Wambua, B.N. (2014), Unlocking export competitiveness: The role of trade facilitation. 8th TRAPCA Conference. Arusha, Tanzania, 20-21 November

CORPORATE SOCIAL RESPONSIBILITY



The University of Nairobi Geography Students Society (UNGSS) participating in a cleanup exercise within the community.

OUTREACH ACTIVITIES

- Kithaka wa Mberia , attended an Education Stakeholders Meeting at Tharaka
- Kithaka wa Mberia , attended B.O.M. meeting at Marimanti. Organized by Nkondi Girls Secondary School.
- Kithaka wa Mberia , attended Launch of 'Elimika' Project.
- Kithaka wa Mberia , launched a book, 'Flowers in The Morning Sun and Rang'i.
- Kyule M.D., appointed Editor: Nairobi Journal of Historical Studies (since March 2014)
- Kyule M.D., 12 September 2014: Walking tall: coordinated the hosting by the Department of History and Archaeology of the program "Walking Tall" The program is a South African dramatization of the teaching of Prehistory, Archaeology and Human origins. Venue: ED 2, CHSS, University of Nairobi.
- Kyule M.D., 25 July, 2014: coordinated the hosting by the Department of History and Archaeology of the program "VOLUNTEERING IN KENYA: THE FIRST AFRICA-CHINA YOUTH FORUM". China-Africa Youth Exchange and Volunteer Group, Venue: The Confucius Institute, University of Nairobi.
- Kyule M.D., Affiliate Faculty: Sustainable African Dryland Ecosystems and Societies Program. A collaboration program of the Colorado State University and LARMAT - CAVS, University of Nairobi

- Kyule M.D., Chairman, Board of Management, Tutini Secondary School, Key Event: Launch of School Bus, 18 October 2014.
- Kyule M.D., Web administrator, Archaeology in Eastern Africa
- Ocharo R.M. Delivered a keynote speech during Miral Welfare Foundation's celebration of its second anniversary in Kenya on 21st November 2014.
- Odeny G.O, Board Member – National Museums of Kenya(NMK)
- South Sub-county. Organized by Ministry of Education. UNESCO/UNITWIN

International Travel & Visibility Department of Geography



In 2014, the following staff members were involved in academic-related international travels

Name of Staff	City/Country	Nature of Travel
Dr. Adams Oloo	Abidjan, Cote d'Ivoire 30th & 31st Oct. 2014.	Invitation to the 10th Meeting of the Members of the Scientific Committee of the "African Integration and Development Review"
Dr. Adams Oloo	Visit the University of Hradec Kralove –Czechoslovakia. 29th September – 3rd Oct. 2014	To Visit the University of Hradec Kralova and explore the signing of an MoU
Dr. Adams Oloo	Shangai Administration Institute 22nd – 25th Sept. 2014	Conference on "Transforming Societies-Transforming Political Parties"
Dr. Adams Oloo	Arusha - Tanzania 3rd - 4th March 2014	The Meeting of Experts on the Model Structure of the Political Federation.
Dr. A.O. Odingo	London, UK	Soroptimist International Federation Conference
Dr. A.O. Odingo	Abuja, Nigeria	UNISDR Fifth Session of Africa Regional Platform for Disaster Risk Reduction
Dr. A.O. Odingo	Mexico	Association of Women's Rights in Development (AWID) Board Meeting
Dr. A.O. Odingo	Akosombo, Ghana	UNEP CLIM-WARN Seminar
Dr. A.O. Odingo	Tokyo, Japan	NGR Meeting
Dr. A.O. Odingo	Entebbe, Uganda	Thirty Sixth Greater Horn of Africa Climate Outlook Forum
Dr. I.A. Nyandega	Beijing, China	Sino-African Scientists Geo-Information Database Creation Meeting
Name of Staff	City/Country	Nature of Travel
Dr. S.M. Mukhovi	Nagoya, Japan	Visiting researcher
Dr. S.O. Owuor	Bordeaux, France	Visiting Scholar
Dr. S.O. Owuor	Kampala, Uganda	Round Table Seminar on Resilient Cities
Dr. S.O. Owuor	London, UK	Visiting Scholar
Dr. T. Thenya	Copenhagen, Denmark	STAKE Project Meeting
Ms T. Mbatia	London, UK	FoodMeters Project Meeting
Ms T. Mbatia	Cape Town, South Africa	3 rd International Biodiversities Conference
Ms T. Mbatia	Berlin, Germany	FoodMeters Project Meeting
Peter Wasamba	Blantyre, Malawi	PANGeA Board Meeting
Peter Wasamba	Debre Markos, Ethiopia	International Conference
Peter Wasamba	Berlin, Germany	International Collaboration
Peter Wasamba	Quito, Ecuador	International conference
Peter Wasamba	Seoul, South Korea	International Conference
Prof. E.H.O. Ayiemba	Addis Ababa, Ethiopia	Horn of Africa Regional Environment Meeting

7.3 The Institute for Development Studies

The Institute for Development Studies (IDS), University of Nairobi, is the oldest of 20 such institutes in the world. It is the premier multi-disciplinary and multi-purpose development research institute in Eastern and Southern Africa region. IDS carries out full time research on high priority areas of social-economic and political development in Kenya, Africa and the world in general.

COURSES OFFERED

In 2014, the Institute offered the following programmes:

- Master of Arts in Development Studies
- Doctor of Philosophy in Development Studies

ENROLMENT

In 2014, the Institute enrolled 18 students in the MA programme.

GRADUANDS

In 2014, the Institute graduated the following numbers:

Master of Arts Degree in Development Studies	12
PhD Programme	8

INTERNATIONAL STUDENTS COMPONENT

In 2014, the Institute had two international students drawn from the USA, and Malawi.

RESEARCH

In 2014, IDS made tremendous strides in its quest to remain the premier research institution regionally and internationally. This is manifested in some of the projects the Institute engaged in locally and internationally.

RESEARCH PROJECTS

	Title of the research project	Researchers Involved
1	Public and Non Motorized Transport Project operated under the African Centre of Excellence for Studies in Public and Non-motorised Transport (– ACET)	Prof. Winnie Mitullah (IDS) Prof. Dorothy McCormick (IDS) Dr. Mary Kinyanjui (IDS) Dr. Risper Orero (Associate) Dr. Romanus Opiyo (Regional & Urban Planning) Prof. Odera (Maseno) Prof. Preston Chitere (UoN-Arts) Dr. George Makajuma Ms Marilyn Ommeh Mr. Japheth Ogendi Ms Susan Gichuna Mr. Simon Miringu
2	Rethinking Social Movements	Prof Karuti Kanyinga (IDS) Prof Njuguna Ng'ethe (IDS) Dr. George Michuki (IDS) Mr. Geoffrey Njeru (IDS) Mr. Samwel Kiiru (IDS) Dr. Joshua Kivuva – UoN, Political Science Dr. Katumanga Musambayi – UoN, Political Science

3	Chronic Poverty Research	Prof. Njuguna Ng'ethe Prof. Mohamud Jama Dr. George Michuki Mr. Sam Kiiru Dr. Obadia Miroro Mr. Michael Maina
4	Elections and Management of Diversity in Africa	Prof. Karuti Kanyinga Mr. Geoffrey Njeru Dr. George Michuki Dr. Joshua Kivuva – UoN, Political Science
5	Successful African Firms and institutional Change (SAFIC)	Prof. Dorothy McCormick Dr. Paul Kamau Dr. Jackson Maalu – UoN, School. of Business Dr. Radha Upadhyaya Mr. Herbert Wamalwa (Project Assitant/Ph.D Student MsZidi Oluoch Mr. Peter K'Ochupe Nester
6	Gender and Decentralization in EastAfrica	Prof. Winnie Mitullah Prof. Karuti Kanyinga Dr. George Michuki Mr Abel Oyuke
8	Afro barometer R6 Surveys	Prof. Winnie Mitullah Dr. Paul Kamau Dr. Joshua Kivuva – UoN, Political Science Dr. Adams Oloo, UoN, Political Science Mr. Abel Oyuke Mr. Samwe I Balongo Mr. Antony Wafula
9	Healthy Futures	Prof. Winnie Mitullah Prof. Mohamud Jama – IDS Dr. Eric Othieno (Associate) Fredrick Omukanga (Associate) Dr. Nyanjom Mr. Fredrick Mukanga
10	Broadcast Media, ICT-Generated Public Opinion and Political Accountability (PIMA)	Prof. Winnie Mitullah Dr. Fred Mudhai (Associate) Mr. Samwel Mwangi (Project Assistant) Mr. Moses Maina (Project Assistant)
11	Innovative Approaches to Creating Opportunities and Incorporating Youth into Labour Markets in E.A Community	Prof. Rosemary Atieno Prof. Winnie Mitullah Ms Esther Owino (Student Project Assistant) Ms Scholastica Odhiambo (Project Assistant) Mr. Owen Nyangoro Mr. Jared Magego Ms Linzy Nyambok Ms Susan Gichuna
12	Climate / Environmental Change and Adaptation in Kenya Project	Prof. Winnie Mitullah Dr. Paul Kamau Mr. Abel Oyuke
13	Kenya Advocacy for Climate Change	Prof. Karuti Kanyinga Dr. Joshua Kivuva– UoN, Political Science Mr. Jim Kaketch Ms Gloria Mmoji

14	Institutional Mapping of NMT in Kenya - UNEP	Prof. Winnie Mitullah Prof. Dorothy McCormick Dr. Risper Orero (Associate) Mr. Phillip Olale Ms Gladys Gituku
15	VREF Stakeholder Engagement in Planning and Implementation of NMT (Thika Super Highway)	Prof. Winnie Mitullah Prof. Dorothy McCormick Dr. Risper Orero (Associate)
16	Re-imaging Nairobi	Prof. Winnie Mitullah Dr. Jackie Klopp (Associate) <ul style="list-style-type: none"> The project supports students focusing on transport. So far a student at the School of Computing and Informatics doing digital mapping of cycle routes in Nairobi has been supported and a draft output generated. A second Engineering student focusing on pedestrians is being considered for support.
17	Savings and Credit Cooperative Organisations as Operational Arrangements for Paratransit Management: Case Studies of Inter-city Transport SACCOs in Kenya	Prof. Dorothy McCormick Prof. Roger Behrens (UCT, South Africa) Dr. Risper Orero (Kenya Methodist University, Associate) Ms. Marilyn Ommeh
18	Dutch Multinationals Businesses, Dutch Government and the Promotion of Productive Employment in Sub-Saharan Africa: A Comparative Study of Kenya and Nigeria.	Dr. Paul Kamau Dr. Bethuel Kinyanjui (SoE)
19	ICT Entrepreneurship in Urban Kenya	Dr. Paul Kamau Prof. Winnie Mitullah
20	Kenya Executive Opinion Survey of World Economic Forum 2014	Dr. Paul Kamau
	Reframing Narratives of State Building in Africa: The Role of Political Settlements, IDRC-supported research project covering five African countries of Kenya, Cote d'Ivoire, Rwanda, Ethiopia and Sierra Leone.	Dr. Godwin R. Murunga, Co-ordinates Kenya Country Case Study

INTERNATIONAL LINKS AND COLLABORATIONS

Sino-Africa Relations

The Institute for Development Studies and China's Institute of Western Asian and African Studies held a consultative meeting at the University of Nairobi in December 2014 to explore ways of enhancing and sustaining Sino-Africa relationships. The meeting brought together scholars from China, IDS and other stakeholders and deliberated on how the two blocs can benefit mutually along the social, economic and political platforms.

Other ongoing collaboration includes: UCT – On Transport Research, Copenhagen Business School – SAFIC Project and the Afrobarometer Project.

IDS and the Partnership for African Social and Governance Research (PASGR) held a conference on 'Social Protection in Africa' in Nairobi on 12th and 13th November, 2014. The focus of the conference was evidence-based knowledge and experience in select topics on social protection. IDS

The Institute for Development Studies, in collaboration with the African Leadership Centre (ALC), the Swedish Embassy in Nairobi and the Nordic Africa Institute in Uppsala (NAI) launched a book on new constitutional order: *Kenya: The Struggles for a New Constitutional Order*. The book which is the product of two years of research by a

team of 8 researchers was launched by Chief Justice Willy Mutunga on 11th December 2014.

The Institute for Development Studies maintained its collaboration with Kings College London in the running of the African Leadership Centre (ALC). The centre was established in Kenya in June 2010 as a joint initiative of King's College London and University of Nairobi. ALC is therefore a Pan-African Centre of excellence on peace, security and development in Africa. It trains and mentors young Africans with the potential to lead and enable innovative change in their communities and in the region.

The ALC runs a Fellowship programme as a joint programme between King's College London and IDS, University of Nairobi. A total of 12 students were admitted into the programme in 2014 .

PUBLICATIONS

Booth, D, Cooksey B, Golooba-Mutebi F, Kanyinga K. 2014. East African Prospects: An Update on the Political Economy of Kenya, Rwanda, Tanzania and Uganda, Many. :113., London: Overseas Development Institute (ODI)

Kamau,P. 2014. Economics, Gender and Race: Kenya's Export Processing Zones. In Mbuguawa-Mungai and George Gona (eds). (Re)Membering Kenya: Governance, Citizenship and Economics. Page 102 - 123. Nairobi: Twaweza Communications Ltd. ISBN: 978-9966-028-50-1

Kamau, P . 2014. Kenya Clothing Industry Stunted by Technical Skills Gaps and Low Training. Cotton Africa Issue No. 8 January- March 2014. PP 32 -33

Michuki, G. (2014). Book Review on: "Ethnic Diversity and Economic Instability in Africa: Interdisciplinary Perspectives" edited by Hiroyuki Hino, JohnLonsdale, Gustav Ranis, and Frances Stewart, Cambridge, Cambridge University Press,2012, xvii + 335 pp. in The Developing Economies (1) (March 2015): 63 - 72

2014. Okoth Fred Mudhai and Mitullah, Winnie V. `Media Practitioners and Public Opinions on Interactive Shows in Kenya: The Case of Citizen TVs Power Breakfast/Cheche', in Schmidt Christoph (Ed). International Media Studies DW AkademieVol 6

Murunga, GR, Okelo D, Sjögren A. 2014. Kenya: The Struggle for a New Constitutional Order. London: Zed Books

Onjala, J, Ndiritu SW, Stage J. 2014. Risk perception, choice of drinking water and water treatment: evidence from Kenyan Towns.Journal of Water, Sanitation and Hygiene for Development. 04(2):268-280

PAPERS PRESENTED

Kamau, P. 2014. Experience of IDS in Using KNBS Portal Data. 4-5 December 2014. The Kenya National Bureau of Statistics Conference. Nairobi, Kenya

Kamau, P. 2014. Government Policy and Foreign Investment in Kenya. A conference organized by the IDS, University of Nairobi in conjunction with Africa Studies Centre, Leiden. Nairobi, Kenya. 13-14 November 2014

Kamau, P. 2014. Kenya Country Report on Attracting Funding of PPP in the infrastructure Sector. Conference organised by the East African Chambers of Commerce, Industry and Agriculture together with the Secretariat of the Northern Corridor Transit and Transport Coordination Authority (NCTTA). Mombasa 3-4 November 2014

Kamau, P. 2014. Market Diversification among Food Processing Firms in Kenya.SAFIC Research Project International Conference. Copenhagen, Denmark 24 – 28 February 2014

McCormick, D. 2014. Institutional Development in Public Transport: Implications of Selective Compliance for

Nairobi's Paratransit System.', 8 July. Southern Africa Transport Conference. Pretoria, South Africa

Mitullah, W.V. 2014. 'Audience Socio-Economic Demographics, and Participation in Interactive Media in Kenya'. Workshop on 'Politics and Interactive Media in Kenya', Nairobi: Safari Club, Lilian Towers. 26th March, 2014

Mitullah, W.V. 2014. 'Political Engagement Deficit in Sustainable Governance of Cities in East Africa' presented at the PreiUrban Conference and iUrban Conference on Cities. Rotterdam, .Netherlands, Erasmus Mundus University.9th – 11th April

Mitullah, W.V. 2014. 'Transcending ICT Gender Barriers in Mathare: Revisiting Practices and Policies'. International Conference on Media and Citizen Engagement: Experiences from Kenya and Tanzania. Southern Sun Mayfair Hotel, Nairobi. 7th – 8th May, 2014

Mitullah, W.V. 2014. Access and Mobility for Sustainable Development in Nairobi: Dilemma or Negligence? Paper presented at the X111 International Forum on Urban Competitiveness – Employment and Sustainability in Urban Economies, organized by Centre for Demographic and Environment Studies, Mexico, El Colegio de Mexico, August 2014

Mitullah, W.V. 2014. 'Status of Public Service in Devolved Governance: Assessing Constitutional Gains Four Years On'. Discussion Note presented at the Third Annual Congress for Constitutional Commissions and Independent Offices, organized by the Commission for Implementation of the Constitution (CIC), Kisumu, Kenya, 27 – 29th August, 2014

Murunga, G. R. 2014. 'On Ali Mazrui's Long Shelf Life,' a Paper presented at a Seminar in Honour of Professor Ali Al'Amin Mazrui organised by CODESRIA and held at the Technical University of Mombasa, Mombasa, Kenya on 15th December 2014

Murunga, G. R. 2014. 'Africa's New Security Landscape: Rethinking Responses,' Joint Presentation with 'Funmi Olonisakin at the Swedish Embassy 27th November 2014

Murunga, G. R. 2014. 'Peace building as State building in Kenya: Remembering the Role of Historical Injustices,' Paper jointly presented (with Clement Sefa-Nyarko, Rachel Sittoni, Catherine Bartenge) at the Workshop organised by the African Leadership Centre's methodology workshop for the IDRC Project on Peacebuilding and State Building: The Role of Peace Settlements held on 26th to 27th June 2014.

Murunga, G. R. 2014. 'Conceptualising the Security and Society Dynamic in Africa,' Paper jointly presented (with 'Funmi Olonisakin) at the African Leadership Centre's First Annual Conference in Leadership and Society on the theme Security and Society in Africa at the African Leadership Centre 23rd- 25th June 2014.

Murunga, G. R. 2014. 'Towards Agenda 2063,' Presentation at the 2nd East African Community Conference on Persons with Disabilities on the theme 'Empowerment: The Disability Concern in the East African Regional Agenda held 19th– 20th June 2014 at Inter-Continental Hotel, Nairobi, Kenya

Murunga, G. R. 2014. 'East African Societies and Regional Security,' Paper Jointly presented [with Funmi Olonisakin and Mshai Mwangola] at a Conference organised by East African Legislative Assembly and African Leadership Centre on 24th-25th May 2014 in Arusha, Tanzania

Murunga, G. R. 2014. 'State Responses to Insecurity in Kenya,' Presentation at AfriCOG's Policy Dialogue titled "Kenya's Security Dilemma" held on Friday 9th May 2014 at the Hilton Hotel [see https://www.youtube.com/watch?v=GOFFa_vPoKc]

STAFF

In 2014, the Institute had the following staff complement:

Research Professor	3
Associate Research Professor	5
Senior Research Fellow	7
Research Fellow	4
Junior Research Fellow	1

7.4 Population Studies and Research Institute

The Population Studies and Research Institute (PSRI) was established in 1976 as a post graduate centre for training population scientists and undertaking research on population and related issues and also for providing backstopping in the fields of population and development. The Institute helps to bridge the gap in Kenya's manpower need for population experts and to meet research needs of Kenya in support of the country's development strategy.

PROGRAMES OFFERED

In 2014 the Institute offered the following courses: MA in Population Studies, Msc in Population Studies, MA in Monitoring and Evaluation of Population and Development Programs, Monitoring and Evaluation of Population and Health Programs, and, PhD in Population Studies

ENROLMENT

In 2014, the Institute enrolled students as follows:

MA	7
MSC	5
MA in M&E	14
PhD	18
Certificate course in M&E	50

The Institute also mounted other non degree programmes including: short course on monitoring and evaluation, short course on research methodology, short course on integration of population into development planning.

RESEARCH ACTIVITIES

In 2014, staff were involved in research in : Contraceptive use, human mobility, social protection, migration, family functioning, population growth and structure, the youth, the elderly and vulnerable groups.

INTERNATIONAL LINKS AND COLLABORATIONS

In 2014, the Institute had links that included: UNFPA, UNICEF, University of Waterloo, University of Washington (NIH project on HIV/AIDS), Tulane University (OVC project), ICF Macro- MEASURE Evaluation

PUBLICATIONS

Anich, R. Melde, S. Crush, J. and Oucho, J.O. (eds.) 2014. A New Perspective in Human Mobility in the South, Global Migration Issues 3. Springer.

Oucho, J.O. 2014 Labor mobility, regional integration and social protection in Southern economies", in R. Anich, S. Melde, J. Crush and Oucho, J.O. (eds.), A New Perspective in Human Mobility in the South, Global Migration Issues 3. Springer.

Tonya R. Thurman, Rachel Kidman, Johanna Nice and Lawrence Ikamari, 2014 Family Functioning and Child Behavioral Problems in Households Affected by HIV and AIDS in Kenya : Aids Behaviour DOI 10.1007/s10461-014-0897-6

Alfred Agwanda and Haidari Amani. Population Growth, Structure and Momentum in Tanzania. THDR 2014: Background Paper No. 7 ESRF Discussion Paper 61. The Economic and Social Research Foundation (ESRF). Email: esrf@esrf.or.tz Website: www.esrftz.org. ISBN: 978-9987-610-96-9 @ 2014 Economic and Social Research Foundation

STAFF

In 2014, the Institute had the following staff component:

Professor	1
Associate Professor	3
Senior Lecturer	2
Lecturer	5
Senior Technologist	1

GRADUANDS

In 2014, the Institute graduated the following numbers:

Masters Degrees	17
PhD	1

7.5 School of Business

The School of Business, provides leadership in the pursuit of business management programmes, providing knowledge and applications through customer-driven teaching, training, research, consultancy and community services.

COURSES OFFERED

In 2014, the School offered seven programmes namely: Bachelor of Commerce (B.Com), Master of Business Administration (MBA), Master of Science in Finance (MSc. Finance), the newly introduced Master of Science programmes in Human Resource Management, Marketing, Entrepreneurship & Innovations Management, and the Doctor of Philosophy (PhD) in Business Administration.

ENROLMENT

In 2014, the School enrolled the following numbers

Undergraduate	8200
Postgraduate	5800

INTERNATIONAL LINKS AND COLLABORATIONS

- i) GfK-Germany
- ii) SMC University for on line MSc. and PhD programmes;
- iii) The School remained an active member of the Association of African Business Schools (AABS) which acts as a benchmarking body for business schools across the continent.
- iv) EFMD (European Foundation for Management and Development)
- v) Shanghai Finance University aimed at developing joint undergraduate program.

PAPERS PRESENTED

Aduda J., Chogii R. and Chepkorom M.C. (2014). Role of Microfinance Institutions in Financial Deepening in Kenya. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12

Aduda J., Kiragu P. and Mwangangi K.A. (2014). Economic Performance Indicators and Stock Returns at the Nairobi Securities Exchange. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12

Magutu P.O. and Aduda J. (2014). The Relationship between Supply Chain Strategies and Performance of Large-Scale Manufacturing Firms in Kenya. A paper presented at the Operations Research Society of Eastern Africa (ORSEA) Conference at the School of Business, Nairobi, October 16-18

Richu S., Kinyua F., Chirchir M. and Oketch C.S. (2014). Supply Chain Performance Measurement and the Performance of Manufacturing Pharmaceutical Firms in Kenya. A paper presented at the Operations Research Society of Eastern Africa (ORSEA) Conference at the School of Business, Nairobi, October 16-18

Yabs, J. (2014). Kenyans in Diaspora and International Business. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12

Yabs, J. and Ndambuki V. (2014). Virtue Ethics in Marketing FMCG in East African Common Market. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12

Munyoki J. and Njeru W. (2014). Market Orientation, External Environment and Performance of Tour Firms in Kenya. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12

- Kibeh A.W. and Kinoti M.W. (2014). Relationship Marketing and Customer Loyalty in Mobile Telecommunication Industry in Nairobi, Kenya. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12
- Lelei J.K., Magutu P.O. and Ndungu J.M. (2014). Information Technology Audit and Fraud Prevention among Commercial Banks in Kenya. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12
- Ondigo J., Njeru P. and Chirchir D. (2014). A Comparative Study of the Returns of Quoted Sin and Non Sin Stocks at the Nairobi Securities Exchange. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12
- Yabs, J. (2014). Multiplier Effect of Oil and Gas in East African Countries. Academy of International Business, Sub-Sahara Africa Conference at Riara University, August
- Yabs, J., Awino Z.B., Ogutu M., and Musuva A. (2014). The Influence of Firm Capabilities on the Internationalization and Performance of Publicly Quoted Companies in Kenya. DBA Africa Management Review
- Yabs, J. (2014). Entrepreneurial Initiatives, Business Environmental Factors, and the Success of Kenya's Outward Foreign Direct Investments in East Africa. International Journal of Economics and Sustainable Development
- Awino Z. B. and Marendi-Getuno P.N. (2014). Public Procurement Legal Framework Implementation Challenges and Organizational Performance. A paper presented at the Operations Research Society of Eastern Africa (ORSEA) Conference at the School of Business, Nairobi, October 16-18
- Kaijage E.S. and Elly D. (2014). Financial Integration Relationships and Linkages in East Africa Community (EAC) Equity Markets. A paper presented at the Operations Research Society of Eastern Africa (ORSEA) Conference at the School of Business, Nairobi, October 16-18
- Kimani F.W. and Njihia J.M. (2014). Business Forecasting and Prediction Markets Potential on Banking Industry in Kenya. A paper presented at the Operations Research Society of Eastern Africa (ORSEA) Conference at the School of Business, Nairobi, October 16-18
- Kinoti M. and Mannara C. (2014). A Comparative Analysis of Selected Imported and Local Food and Agricultural Products Compliance to Kenya Quality Standards: The Case of Kenya Bureau of Standards. A paper presented at the Operations Research Society of Eastern Africa (ORSEA) Conference at the School of Business, Nairobi, October 16-18
- Marika N.M., Magutu J., Moyare F.M., Gacheri M. and Mbeche I.M. (2014) Corporate Social Responsibility and Employer Attractiveness in Kenya. A paper presented at the Operations Research Society of Eastern Africa (ORSEA) Conference at the School of Business, Nairobi, October 16-18
- Marika N.M., Njihia J.M. and Magutu P. (2014). Enterprise Resource Planning (ERP) Systems Implementation and Performance of Supermarkets in Nairobi, Kenya. A paper presented at the Operations Research Society of Eastern Africa (ORSEA) Conference at the School of Business, Nairobi, October 16-18
- Munjuri M.G., K'Obonyo P. and Ogutu M. (2014). Human Capital, Social Capital and Performance of Commercial Banks and Insurance Firms in Kenya. A paper presented at the Operations Research Society of Eastern Africa (ORSEA) Conference at the School of Business, Nairobi, October 16-18
- Omamo A. and K'Obonyo P. (2014). The Role of Human Capital, Leadership Styles, Social Capital and Employee Outcomes in the Determination of CEO's Compensation. A paper presented at the Operations Research Society of Eastern Africa (ORSEA) Conference at the School of Business, Nairobi, October 16-18
- Ondigo H. and Muiruri W.C. (2014). The Effects of Firm Size on Information Asymmetries Surrounding Earnings Disclosure of Firms Listed at the Nairobi Securities Exchange. A paper presented at the Operations Research Society of Eastern Africa (ORSEA) Conference at the School of Business, Nairobi, October 16-18
- Wangira F.A., Munyoki J.M. (2014). Determinants of Growth in the Banking Industry in Kenya. A paper presented at the Operations Research Society of Eastern Africa (ORSEA) Conference at the School of Business, Nairobi, October 16-18

- Machuki V.M. Rasowo J.O. and Aosa E. (2014). Corporate Governance and Performance of Sugar Producing Companies in Kenya. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12
- Nyamute W. and Batta N. (2014). A Paradigm Transformation Through Social Media. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12
- Mwangi M. and Kiragu C. (2014). Corporate Governance and Financial Performance of Insurance Underwriters in Kenya. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12
- Munyoki J. and Mwangi G.G. (2014). The Influence of Strategic Corporate Re-Branding on Customer Satisfaction among Mobile Service Providers in Kenya. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12
- Machuki V.N., Okoth P.J. and Arasa R.M. (2014). Tangible Resources and Performance of County Health Services in Kenya. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12
- Busienei J.R., K'Obonyo P. and Ogutu M. (2014). Human Resource Strategic Orientation and Performance of Large Private Manufacturing Firms in Kenya: A Moderating Effect of Business Strategy. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12
- Awino Z.B. and Saoli K. (2014). Management Perception on Performance Contracting Strategy at the City Council of Nairobi, Kenya. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12
- Wamwea G.M. and Kaboyo O.W. (2014). Motivation Factors for Earning Management Practice in Public Listed Corporations in Kenya. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12
- Musyoka R. and Wambugu H.W. (2014). Motivational Factors of Gender, Age, Income, Education and Family Size on Preference of Milk Packaging Designs in Kenya. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12
- Magutu P., Akello E. and Makori W.C. (2014). The Relationship between Real-Time Information Processing and Supply Chain Optimization among Supermarkets in Nairobi, Kenya. A paper presented at the African International Business and Management (AIBUMA) Conference at the School of Business, Nairobi, July 11-12
- Iraki X.N. (2014). Why Westlands Epitomises Kenya's Bright Future. The Standard Newspaper, May 3
- Iraki X.N. (2014). Tourism: Where are Incentives for Tourists? The Standard, May 30
- Iraki X.N. (2014). Tourism can Thrive Despite Terrorism. The Standard, May 20
- Iraki X.N. (2014). Want Devolution to Work? There must be Incentives. The Standard, March 25
- Iraki X.N. (2014). Would Empire Buidling Sort out our Economy?. The Standard, February 25
- Iraki X.N. (2014). Drinking to Death: The Economics of Booze. The Standard, May 20
- Iraki X.N. (2014). Creating Jobs in Kenya: Letter to the Youth. The Standard, April 25
- Iraki X.N. (2014). No Longer at Ease: Evolution of the CEO. The Standard June 12
- Iraki X.N. (2014). Want to Spur Growth and Create Jobs? Pay Your Debts. The Standard, May 6
- Iraki X.N. (2014). Thieves Fry Kenya's Power Grid to Make Fast Food. Thompson Reuters

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- Aduda J., Chogii R. and Murayi M.T. (2014). The Effect of Capital Market Deepening on Economic Growth. *Kenya Journal of Applied Finance and Banking*, vol. 4, No. 1, 141-159 ISSN: 1792-6580 (print version), 792-6599 (online) Scienpress Ltd.
- Aduda J., Kiragu P. and Ndwiga J.R. (2014). The Relationship between Agency Banking and Financial Performance of Commercial Banks in Kenya. *Journal of Finance and Investment Analysis*, Vol. 2, No.4, 97-117, ISSN: 2241-0998 (print version), 2241-0996 (online) Scienpress Ltd.
- Magutu P. and Aduda J. (2014). The Relationship between Supply Chain Strategies and Performance of Large Scale Manufacturing Firms in Kenya. *Asian Academic Research Journal of Social Science and Humanities*, Vol. 9, ISSN: 2278-859X (online)
- Dennis M. A. and Ndemo B. (2014). What Drives Women out of Entrepreneurship? The Joint Role of Culture and Access to Finance. *DBA Africa Management Review* 2
- Kisaka E.S. and Mwewa M.N. (2014). "Effects of Micro-credit, Micro-savings and Training on the Growth of Small and Medium Enterprises in Machakos County in Kenya", *Research Journal of Finance and Accounting*, 5 (7), 43 – 49
- Kisaka E. S. and Mwasaru A. (2014). "An Analysis of the Presence of an Entrepreneurial Culture in Kenya: An Application of the Population Ecology Theory and the Resource Dependence Theory", *European Journal of Business and Management*, 6 (15), 184 – 191
- Kisaka E. S. (2014). "Impact of Education and Training on Entrepreneurial Behavior in Kenya: An Application of the Resource-Based Theories", *European Journal of Education and Practice*, 5 (14), 167 – 173
- Kisaka E. S. (2014). "The Impact of Attitudes toward Saving, Borrowing and Investment on the Capital Accumulation Process in Kenya: An Application of the Theory of Planned Behavior", *Research Journal of Finance and Accounting*, 5 (9), 140 – 151
- Kisaka E. S. and Silikhe S. R. (2014). "A Survey of Credit Risk Management Techniques Used by Microfinance Institutions in Kenya", *Research Journal of Finance and Accounting*, 5 (13), 1 – 18
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- Kisaka E. S., Lyaga S. S. and Wafubwa B. M. (2014). "X-Efficiency of Commercial Banks in Kenya", *Research Journal of Finance and Accounting*, 5 (14), 103 – 116
- Kisaka E. S, Kithitu J. W. and Kamuti H. M. (2014), "The Causal Relationship between Interest Rates and Foreign Exchange Rates in Kenya", *Research Journal of Finance and Accounting*, 5 (14), 136 – 151
- Kisaka E. S., Cherutoi E. K., Kamuti H. M. and Wafubwa B. M. (2014), "An Analysis of the Reverse Weekend Anomaly at the Nairobi Securities Exchange in Kenya", *Research Journal of Finance and Accounting*, 5 (13), 154 – 165
- Chirchir D. (2014). The Relationship between Share Prices and Interest Rates: Evidence from Kenya, *Journal of Finance and Investment Analysis*, vol. 3, no.2, 2014, 91-98 ISSN: 2241-0998 (print version), 2241-0996(online) Scienpress Ltd, 2014
- Chirchir D. (2014). Share Prices – Exchange Rates Nexus: Evidence from Kenya, *Research Journal of Finance and Accounting* ISSN 2222-1697 (Paper) ISSN 2222-2847 (Online) Vol.5, No.21, 2014
- Ogilo F. (2014). "The Effect of Selected Macro-economic Variables on Bond Market Development in Nairobi, Kenya." *DBA Africa Management Review*, 4(2), 2014
- Ogilo F.(2014). "Turn of the Month Effect: Evidence from the Nairobi Securities Exchange." *DBA Africa Management Review*, 4(1), 2014
- Okwiri O. and Mbeche I.M. (2014). The Future of ISO 9000 Quality Management System in a Global Economy. *DBA Africa Review Journal*.

Okwiri O. (2014). Quality Management as an Outcome of Management Field Evolution: A Review. *Online Journal of Social Sciences Research*. Volume 3(Issue 1):1-9

Iraki X.N. (2014). Kenya 2014/2015 Budget: A Delicate Balancing Act. *The Management*, June

Mogikoyo M.N. and Pokhariyal G. P. (2014). Effects of Computer and Internet Access and Skills on Attitudes Towards Video-based Distance Learning in Institutions of Higher Education in Kenya. *Prime Journal of Social Science (PJSS)* 3(11):926-931

Oredo J.O. and Njihia J. (2014). Challenges of Cloud Computing in Business: Towards New Organizational Competencies. *International Journal of Business and Social Science*, 5:150-160.

Higher Education Institutions: A Case Study of University Of Nairobi. *International Journal of Scientific Knowledge*, Vol. 5, No. 6 ISSN 230 5 – 1493; 5(6):29-41.

Chindia E. W., Wainaina G., Kibera F. N. and Pokhariyal G.P. (2014). Forecasting Techniques, Operating Environment and Accuracy of Performance Forecasting for Large Manufacturing Firms in Kenya. *International Journal of Managerial Studies and Research (IJMSR)* Volume 2, Issue 7, August PP 83-100 ISSN 2349-0330 (Print) & ISSN 2349-0349 (Online) www.arcjournals.org ©ARC Page 83

Wamburu K.K. and Wainaina G. (2014). Determinants of Stock Market Development in Kenya: An Error Correction Model Approach. *European Journal of Business Management* Vol. 1 (11), pp.230-244

Bagire V., Aosa E. and Awino Z.B. (2014). "A Synthesis of the Strategic Orientation and NGO Legitimacy in the African Economic Setting". *Journal of Business and Economics*, 5(8), pp. 1358-1373

Namada J.M., Aosa E., Awino Z. and Gituro W. (2014). "Management Participation and Firm Performance". *American Journal of Industrial and Business Management*, 4 pp.113-122

Menge R.N., Mwangi M. And Kimani J.G. (2014). Effect of Elections on Stock Market Returns at the Nairobi Securities Exchange. *Prime Journal of Social Science*, Vol. 3(6), pp. 763-768, June

Mwangi M. and Iraya C. (2014). Determinants of Financial Performance of General Insurance Underwriters in Kenya. *International Journal of Business and Social Science*, Vol. 5, No. 13; pp. 210-215, December

Owele M.L. and Wanjare J.M. (2014). The Effects of Working Capital Management Approaches on the Financial Performance of Agricultural Companies Listed at the Nairobi Securities Exchange, Kenya, ISSN 2320, -5407 *International Journal of Advanced Research*, Volume 3, Issue 1, 60-69

K'Obonyo P., Bulitia G.M. and Ojera P. B. (2014). Moderating Effect of Technology Innovation on the Human Resource Management Practices and Firm Performance: A Study of Manufacturing firms in Kenya. *Research Journal of Human Resource*, Vol. 2 (Issue No. 3):1-21.

K'Obonyo P., Okeyo W. and Gathungu, J. (2014). The Effect of Business Development Services on Performance of Small and Medium Manufacturing Enterprises in Kenya. *Internal Journal of Business and Social Research*, Vol. 4 (Issue No. 6).

STAFF

In 2014, the School had the following staff complement:

Professor	5
Associate Professor	9
Senior Lecturer	8
Lecturer	49
Assistant Lecturer/TF	30



GRADUANDS

In 2014, the School graduated the following numbers:.

B.Com	1659
Masters	1500
PhD	28

7.6 School of Economics

The School of Economics offers specialized training in economics at the bachelors, master's and doctoral levels. Instruction is organized around three thematic areas: economic theory; applied economics; mathematics and quantitative economics.

PROGRAMMES OFFERED

In 2014, the School offered the following programmes: Bachelor of Economics , Bachelor of Economics and Statistics programs, Master of Arts in Economics, Master of Arts in Economic Policy Management, Master of Arts in Economics of Multilateral Trading Systems, Master of Science in Health Economics and Policy, a Collaborative PhD Program under the African Economic research consortium, a local PhD program by course work and thesis.

ENROLMENT

In 2014, the School enrolled the following numbers:

PhD in Economics	14
MA in Economics	89
MA in Economic Policy Management	36
MSc. in Health Economics & Policy	47
Bachelor of Economics	365
Bachelor of Economics & Statistics	510

INTERNATIONAL STUDENT COMPONENT

In 2014, the International Student component in the School was 17 .

INTERNATIONAL LINKS AND COLLABORATIONS

In 2014, the School maintained active external links as follows: UNEP, Busara Centre for Behavioural Economics,, Partnership for Economic Policy (PEP);VU University Amsterdam (Stitching VU/VUmc); Sticing Amsterdam Institute for International Development (AIID); Grupo de Analisis para el Desarrollo (GRADE).,University of Sussex, UK., Tilburg University, University of Rome Tor Vergata (Centre for Economic and International Relations), Orebro University, University of Gothenburg in support of the Environment for Development Initiative-Kenya (Efd), African Economic Research Consortium, World Trade Organization (WTO), UNCTAD Virtual Institute on Trade and Development.

PUBLICATIONS

Kabubo-Mariara, J. (2014). "Integrating Market Access and Tenure Security: The role of Institutional Isolation in Crop Productivity in Kenya". International Journal of Economic Perspectives, Volume 8, Issue 1.

Kabubo-Mariara, J. (2014) et al. "The Environment for Development Initiative: Lessons Learned in Research, Academic Capacity Building and Policy Intervention to Manage Resources for Sustainable Growth. In: Environment and Development Economics, Vol. 19, Issue 03, Pp 367-391.

Kiriti-Ng'ang'a, T. (2014). "Barriers to Trade: The Case of Kenya" Pp 57-59. In: Connecting to Global Markets: Challenges and Opportunities: Case Studies presented by WTO Chair-holders.

Kiriti-Ng'ang'a, T. (2014) "Trade Discourse in Kenya: Topical Issues, Vol.2. WTO and School of Economics WTO Chairs Program.

- Kiriti-Ng'ang'a, T. (2014) et al. "Private Capital Inflows and Economic Growth in Kenya. International Journal of Development and Sustainability. Vol. 3 (No. 4. Pp 810-837)".
- Ongoro, T.N. (2014). "Transnational Corporations as subjects of International Economic Relations". Pg. 70-93. In: Evdokimov, A.I. International Economic Relations (New Edition). "Prospect", Moscow.
- Ongoro, T.N. (2014) "International Migration of Capital: Theory and Practice" Pp. 460 – 502. In: Evdokimov, A.I. International Economic Relations (New Edition). Prospect:, Moscow.
- Ongoro, T.N. (2014). "Russian Federation in the System of International Mobility of Financial Resources". Pp.503-517.In: International Economic Relations (New Edition). "Prospect", Moscow.
- Awiti, J.O. (2014). "A Multilevel Analysis of Prenatal Care and Birth Weight in Kenya. Health Economics Review 4: (33) 1-16".
- Awiti, J.O. (2014). "Poverty and Health Care Demand in Kenya". BMC Health Services Research. 14: (560) 1-7.
- Kioko, U. et al. (2014). "Peer Education and Behaviour Change on HIV/AIDS Prevention in Secondary Schools in Rachuonyo District, Kenya: Prospects and Policy. Global Journal of Human Social Science, Linguistics and Education, Vol 14 (4) 1-9".
- Abala, D.O. (2014) "Foreign Direct Investment and Economic Growth: An Empirical Analysis of Kenyan Data. DBA Africa Management Review. 4(1):62-84".
- Ongeri, B.O. (2014) "Economic Value – Accounting Value Nexus: The Effect of Accounting Measures on Economic Value Added Amongst the Kenya Commercial Banks". Global Journal of Contemporary Research in Accounting and Business Ethics (GJCRA) (ISSN: 2311-3162) 2014 Vol: Issue:3, pages 182-200.
- Ongeri, B.O. (2014) "Small Scale Horticultural Farming along the Kenyan Highways and Local Economic Development: Exploring the Effect the Factor Prices. International Review of Research in Emerging Markets and the Global Economy (IRREM) (ISSN: 2311-3200
- Mbithi, L.M. (2014) et al. Assessment of services sector in the East African Community (EAC) Partner State Countries. International Journal of Education and Research. Vol. 2 No. 5; 283-298.

STAFF

In 2014 the School had the following staff complement.

Professor	5
Associate Professor	4
Senior Lecturer	14
Lecturer	14
Tutorial Fellow	6

GRADUANDS

In 2014, the School graduated the following numbers:

PHD	6
Master of Arts in Economics	73
Master of Arts in Economic Policy Management	11
Master of Science in Health Economics and Policy	12
Bachelor of Economics	186
Bachelor of Economics and Statistics	233

7.7 School of Law

The Faculty of Law was established in 1970 and is one of the original faculties of the University of Nairobi, currently referred to as the School of Law. The main task of the School is to run a national training programme for the legal profession, leading to the degree of Bachelor of Laws (LL.B). The faculty also runs Master of Laws (LL.M) and PhD programmes for students wishing to specialize in specific branches of Law.

COURSES OFFERED

In 2014, the School offered the following courses:

- Bachelor of Laws(LL.B)
- Master of Laws (LL.M) in various thematic areas
- PhD in various thematic areas.

ENROLLMENT

In 2014, the School enrolled the following numbers:

PhD	6
Master of Laws (LL.M)	204
Bachelor of Laws (LL.B)	3,200

RESEARCH INTERESTS

In 2014, staff had the following research interests:

- Law, Governance and Democracy
- Public Finance and Financial Services Law
- International Trade and Investment Law
- Environmental and Natural Resources Law
- Intellectual Property Law

INTERNATIONAL LINKS AND COLLABORATION

In 2014, the School had the following links: Financial and Legal Sector Technical Assistance Project(FLSTAP):Emerging trends workshop, International Development Research Centre(IDRC) Canada, FORD Foundation, Norwegian Agency for International Development, Norwegian Research Council, South and Eastern Africa Research Centre on Women's Law, University of Zimbabwe.

GRADUANDS

In 2014, the School graduated the following numbers:

Masters (LL.M)	50
Bachelor of Laws (LL.B)	483

STAFF

In 2014, the School had the following staff complement

Professor	5
Assoc. Prof	6
Senior Lecturer	11
Lecturer	34
Assistant lecturer	15

7.8 School of Journalism & Mass Communication

The School is synonymous with the history of excellence in journalism in Kenya and the East African region. The School is able tap into the extensive resources of the largest College at the University of Nairobi, the College of Humanities and Social Sciences, which holds the record of having the most professors of any college in Kenya.

The School was identified as one of the twelve Centres of Excellence in Communication and Media training in Africa, and the only one in Kenya.

COURSES OFFERED

In 2014, the School offered the following courses: Doctor of Philosophy (PhD) in Communication and Information Studies (CIS), Master of Arts in Communication Studies, Bachelor of Arts in Journalism & Media Studies, Bachelor of Arts in Broadcast Production

ENROLLMENT

In 2014, the School enrolled the following numbers :

PhD in CIS	8
M.A (Communication Studies)	140
B.A (Journalism & Media Studies)	143
B.A (Broadcast Production)	43

PUBLICATIONS

Ndeti, N. & Nyambane, R. The Influence of Television on the Sexual Behavior of Young Women in Mlolongo Township, Machakos County. IOSR – Journal of Humanities and Social Sciences. Vol. 19. Issues 3, March 2014. Pp 85 - 92

Ndeti, N. & Mulwa, M. Network Logic and the Stabilization of Mobile Banking Products: A Case Study of Selected Mobile Banking Products in Kenya. Published by International Journal of Innovative Research and Development, Vol. 2 Issue 8. ISSN: 278-0211(Online).

Ndeti, N. & Mulwa M. Integrated Marketing Communication and Technology Adoption: A Case of Safaricom's M-Pesa Mobile Money Transfer Services in Kenya. Published by African Journal of Science, Technology, Innovation



and Development. Vol. 5. No. 5. Pp 363 – 371.

George Nyabuga. 'The Discontents and Anxieties of Social Media'.Media Observer, January-March 2014, pp43-45.

STAFF

In 2014, the School had the following staff complement

Professor	1 (visiting)
Senior Lecturer	6
Lecturer	12
Tutorial Fellows	8

GRADUANDS

In 2014, the School graduated the following numbers:

PhD in CIS	4
M.A (Communication Studies)	73
B.A (Journalism & Media Studies)	197
B.A (Broadcast Production)	16

7.9 Institute of Diplomacy and International Studies

INTRODUCTION

The Institute of Diplomacy and International Studies (IDIS) is part of the College of Humanities and Social Sciences which specializes in international studies research and offering training at Diploma, Bachelor and post graduate level to professionals in the academic discipline of International Studies and Diplomacy. The Institute is located on the first floor of 8.4.4 Building, at the main University Campus, just behind the Jomo Kenyatta Memorial Library.

The mandate of the Institute is to teach students at Diploma, B.A, M.A and PhD degree levels; conduct research in diplomacy and international studies and also train and impart relevant high level skills and proficiency to professionals, including military personnel and diplomats.

IDIS continues to systematically implement its mandate within the context of its vision and mission. A major tenet that we espouse is our firm commitment to quality service delivery that is hinged on observance of the rule of law, skilled human resource development, hard work, transparency, accountability, fairness and timely service delivery in all our activities.

The Institute adheres to the tradition of excellence in teaching, research and scholarship, consultancy and community service, good governance and management.

The Institute has continued to grow in leaps and bounds over the years, with its academic programs expanding and its student population and graduands increasing by up to 30% over the past year.

We have also established and increased the number of research collaborations with other institutions, both within and outside the country while our staff continue to engage in many activities that are in line with their areas of specialization both within and outside Kenya.

PROGRAMMES OFFERED AT IDIS

- Diploma in International Studies
- Diploma in Strategic Studies
- Bachelor of Arts in International Studies
- Postgraduate Diploma in International Relations
- Postgraduate Diploma in Strategic Studies
- Master of Arts in Diplomacy
- Master of Arts in International Conflict Management
- Master of Arts in International Studies
- PhD in International Studies

ENROLMENT

In 2014 the Institute enrolled the following numbers:

S/N	PROGRAMME	NUMBER
1.	PhD	4
2.	Masters	138
3.	Post Graduate Diploma	4
4.	Bachelors	112
5.	Diploma	102
TOTAL		360

GRADUATES

In 2014, the following the following graduated:

S/N	PROGRAMME	NUMBER
1.	PhD in International Studies	3
2.	Masters	124
3.	Post Graduate Diploma	16
4	Bachelors	106
5.	Diploma	52
TOTAL		290

STAFF

In 2014, the Institute had the following staff complement:

Professor	1
Senior Lecturer	1
Lecturer	3
Tutorial Fellow	2
Senior Assistant Registrar	1
Senior Administrative Assistant	1
Secretary	2
Clerk	3
Messenger	1
Grounds Man	1
Total	16

INTERNATIONAL LINKS AND COLLABORATIONS

The Institute maintains close research and training collaborations with a number of strategically placed national and international institutions. To date, these collaborations have increased and intensified with the following institutions:

1. Policy Research Institute of African Studies Association (PRIASA), New Delhi, India
2. Goethe University of Germany
3. International Committee of the Red Cross (ICRC)
4. University of Mumbai, India
5. University of Cyprus
6. Dublin City University
7. Heinrich Boll Foundation (HBF)
8. International Development Research Centre (IDRC)
9. Ministry of Foreign Affairs(K)
10. Ministry of East African Affairs, Tourism (K)
11. National Defence College (K)
12. Defence Staff College (K)
13. National Security Intelligence Service (K)
14. The Centre for Parliamentary Studies & Training (K).

PUBLICATIONS

Maluki P, Ouma M. "Journal of Science Technology Education and Management." Arms Proliferation, Disarmament and Human Security in the Horn of Africa. 2014;6(1&2):161-178.
Nzomo, Prof Maria. 2014. Insight on Africa. A Journal of Contemporary African affairs. 6 (2)

CONFERENCES / WORKSHOPS / SEMINARS ATTENDED

Ikiara G. K, The Chronic Poverty Report 2014–2015: The road to zero extreme poverty

Ikiara G. K, The East African Chronic Poverty Report (EACPR): A case study of Kenya

Ikiara G K was part of the researchers and AWSC's implementation committee on Food Security Study that produced the Status Report on the Kenyan National Food Security undertaken jointly by the African Women's Studies Centre, University of Nairobi and the Kenya National . 2014.

Waeni Ngoloma, 7th May 2014, " Fight against the Illicit Accumulation and Trafficking of Firearms in Africa Project' orientation workshop of RECSA NFPS Nairobi, Kenya

Waeni Ngoloma, 5th -8th August 2014, " Gender and Communication in Africa at War and Peace" Desmond Tutu Conference Centre.

Waeni Ngoloma , 12th -13th November 2014, workshop on advocacy programme for Permanent Secretaries Reinforcing Veterinary Governance in Africa (Vet-Gov), Nairobi, Kenya

Waeni Ngoloma, 1st - 4th December 2014, Workshop on transparency and participation in the activities of the WTO SPS committee Nairobi, Kenya

FINANCIAL REPORT

STATEMENT OF FINANCIAL PERFORMANCE

for the year ended June 30th 2014

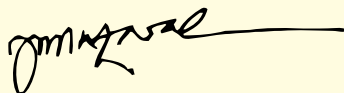
		2014 Kshs	2013 Kshs
	Note		
Revenue from non-exchange Transactions			
Capitation Grant	14(i)	5,209,342,584	4,626,621,644
Special Grant	14(ii)	1,442,933,395	1,146,200,000
CBA Reimbursements	14(vii)	564,098,806	0
		7,216,374,785	5,772,821,644
Revenue from exchange Transactions			
Tuition and other fees	14(iii)	636,376,671	599,183,140
Accreditation fees	14(iv)	940,000	940,000
Other services rendered:	14(v)	30,059,343	34,362,611
Accommodation , Catering and other income	14(vi)	728,665,197	696,831,429
Transfer from IGUs for specific purposes	14(viii)	3,592,336,889	3,374,549,972
		4,988,378,100	4,705,867,152
Total Revenue		12,204,752,885	10,478,688,796
Expenses			
Academic Departments	15(i)	7,536,990,558	6,048,254,427
Administration and Central Services	15(ii)	2,601,730,845	2,195,571,080
Academic services	15(iii)	304,192,268	217,959,498
General educational services	15(iv)	1,056,973,495	681,101,874
Maintenance of premises	15(v)	547,555,504	569,034,193
Staff and students facilities and welfare	15(vi)	389,183,765	351,237,147
Welfare authority (Catering services)	15(vii)	208,081,135	186,440,426
Miscellaneous expenditure	15(viii)	19,755,806	16,053,084
Total Expenses		12,664,463,376	10,265,651,730
Other gains/losses			
Gain on Disposal	14 (ix)	1,311,078	0
(Deficit)/Surplus for the period		(458,399,413)	213,037,066
Accumulated Surplus brought forward		793,156,871	580,119,805
Accumulated Surplus Carried forward		334,757,458	793,156,871

STATEMENT OF FINANCIAL POSITION

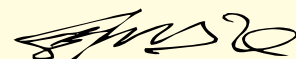
as at June 30, 2014

ASSETS	Note	2014 Kshs	2013 Kshs
Current Assets			
Cash and Cash Equivalents	12	1,396,430,064	2,453,912,155
Short Term Deposits	11	2,668,982,669	3,008,975,735
Trade and Other Receivables	10	5,107,526,632	4,647,673,547
Inventories	9	262,191,910	285,843,571
		9,435,131,275	10,396,405,008
Non Current Assets			
Property, Plant and Equipment	7	94,921,005,500	94,102,317,145
Investments	8	123,342,147	95,382,576
		95,044,347,647	94,197,699,721
Total Assets		104,479,478,922	104,594,104,730
Liabilities			
Current Liabilities			
Trade and Other Payables	13 (a)	1,448,834,276	1,913,335,216
Bank OverDraft	13 (b)	1,107,397,700	823,832,790
		2,556,231,976	2,737,168,006
Special Accounts and Grants	6	1,103,458,887	1,118,774,898
Trust and Endowment funds	5	270,212,329	267,658,519
Endowment for General Purposes	2 (b)	16,181,338	16,181,339
		1,389,852,554	1,402,614,756
Total Liabilities		3,946,084,530	4,139,782,762
Net assets			
General Fund	3 (a)	94,468,111,406	94,449,646,761
Net funds from IGUs and parallel programs	4	4,048,033,185	3,826,766,039
Capital Reserves	3 (b)	480,511,620	471,998,809
Special Capital Development	2 (c)	1,201,980,723	912,753,487
Revenue Reserves	3 (f)	334,757,458	793,156,871
		100,533,394,392	100,454,321,968
Total Assets and Liabilities		104,479,478,922	104,594,104,730

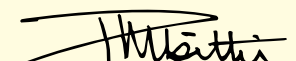
The Financial Statements set out on pages 12 to 37 were signed on behalf of the University Council by:



DR. IDLE OMAR FARAH, MSc.(Nairobi) Ph.D (Uppsala),
Chairman, The University Council



PROF. G.A.O. MAGOHA, EBS, IOM, MBS, M.B.B.S (Lagos) FRCS, FWACS, FICS, FABI, FIBA, FCS (ECSA), MSIC, FMCS
(Urol), MKNAS, FAAS
Vice-Chancellor



PROF. P.M.F. MBITHI, B.V.M., M.Sc.(Nrb) M.V.Sc.(Saskatchewan) Ph.D(Nrb)
Deputy Vice-Chancellor - (Administration & Finance)

September 29, 2014

STATEMENT OF CHANGES IN NET ASSETS

for the year ended June 30th 2014

	Net Funds From IGU's And Parallel Programs KSHS	Special Accounts And Grants KSHS	General Fund KSHS	Trust And Endowment Fund KSHS	Special Capital Development Fund KSHS	Endowment For General Purposes KSHS	Capital Reserve KSHS	Revenue Reserve KSHS	Total
Balance as at 1/7/2012	3,432,240,986	0	94,379,409,292		771,070,420	0	266,525,431	580,119,805	99,429,365,934
SPECIAL RECEIPT FOR CAPITAL	0	0	0		141,683,067	0	0	0	141,683,067
DEVELOPMENT									
SURPLUS FOR THE									
YEAR	0	0	0		0	0	0	213,037,066	213,037,066
CAPITAL GRANTS									
FROM DONORS	0	0	27,571,808		0	0	0	0	27,571,808
CAPITAL									
DEVELOPMENT RECEIPT	0	0	71,149,057		0	0	0	0	71,149,057
RESEARCH GRANT									
RECEIPTS	0	0	0		0	0	0	0	0
RESEARCH GRANT									
EXPENDITURE	0	0	0		0	0	0	0	0
DEPRECIATION ON									
RESEARCH GRANTS ASSETS	0	0	(28,483,396)		0	0	0	0	(28,483,396)
TRUST FUND									
RECEIPTS	0	0	0		0	0	0	0	0
TRUST FUND									
EXPENSES	0	0	0		0	0	0	0	0
INCREASE IN IGU									
FUND	394,525,053	0	0		0	0	0	0	394,525,053
INCREASE IN CAPITAL									
RESERVE	0	0	0		0	0	8,512,811	0	205,473,378
BALANCE AS AT									
30/6/2014	3,826,766,039	0	94,449,646,761		912,753,487	0	471,998,809.00	793,156,871	100,454,321,967

STATEMENT OF CHANGES IN NET ASSETS

for the year ended June 30th 2014

	Net Funds From IGU's And Parallel Programs KSHS	Special Accounts And Grants KSHS	General Fund KSHS	Trust And Endowment Fund KSHS	Special Capital Development Fund KSHS	Endowment For General Purposes KSHS	Capital Reserve KSHS	Revenue Reserve KSHS	Total
Balance as at 1/7/2013	3,826,766,039	0	94,449,646,761	0	912,753,487	0	471,998,809	793,156,871	100,454,321,967
SPECIAL RECEIPT FOR CAPITAL DEVELOPMENT	0	0	0	0	289,227,236	0	0	0	289,227,236
SURPLUS FOR THE YEAR	0	0	0	0	0	0	0	(458,399,413)	(458,399,413)
CAPITAL GRANTS	0	0	25,236,751	0	0	0	0	0	25,236,751
DEVELOPMENT RECEIPT	0	0	22,423,224	0	0	0	0	0	22,423,224
RESEARCH GRANT	0	0	0	0	0	0	0	0	0
RECEIPTS	0	0	0	0	0	0	0	0	0
RESEARCH GRANT	0	0	0	0	0	0	0	0	0
EXPENDITURE	0	0	0	0	0	0	0	0	0
DEPRECIATION ON RESEARCH GRANTS ASSETS	0	0	(29,195,329)	0	0	0	0	0	(29,195,329)
TRUST FUND RECEIPTS	0	0	0	0	0	0	0	0	0
TRUST FUND EXPENSES	0	0	0	0	0	0	0	0	0
INCREASE IN IGU FUND	221,267,145	0	0	0	0	0	0	0	221,267,145
INCREASE IN CAPITAL RESERVE	0	0	0	0	0	0	8,512,811	0	8,512,811
BALANCE AS AT 30/6/2014	4,048,033,184	0	94,468,111,407	0	1,201,980,723	0	480,511,619.58	334,757,458	100,533,394,391



QUALITY POLICY STATEMENT

The University of Nairobi is committed to quality as the guiding principle in its decision making and leadership in the provision of university education and related services to its customers. To realise this, the University management shall regularly monitor and review its performance for continual improvement and suitability by implementing an effective quality management system based on ISO 9001 standard.

Annual **Report**
2013

www.uonbi.ac.ke