



ANNUAL REPORT

2015

MAKERERE UNIVERSITY



MAKERERE UNIVERSITY

ANNUAL REPORT

2015

Message



On behalf of the Makerere University Council, I congratulate the Vice Chancellor, and the Management team, staff and students upon the milestones realized in the Year 2015. The University Council has continued to provide strategic oversight aligned to the University Vision - To be the leading institution of academic excellence and innovations in Africa. Taking stock of the Year 2015, the Makerere University Council has received and considered several proposals from the relevant Committees and other University organs as required. I therefore thank the Members of the Makerere University Council for the commitment, team work and service beyond self that have led us this far!

On 23rd October 2015, Professor George Mondo Kagonyera successfully completed an eight (8) year term of service as Chancellor. The University Council in great honour appreciated the dedicated service of Professor Mondo Kagonyera. In accordance with the law, the Makerere Council appointed a Search Committee for the next Chancellor of Makerere University. This Committee embarked on a process that involved the public in the nomination of qualified Ugandans with a high level of integrity, good public relations and possessed the ability to market and internationalise the University. The search process ended in the appointment of Professor Ezra Suruma by the President of the Republic of Uganda as Chancellor of Makerere University. I congratulate Professor Ezra Suruma and look forward to his successful term of office.

The year in question was characterized by students' unrest. To enhance harmony and reduce discontent and disruptions of activities within the University, Council gazetted the Makerere University Student Rules and Regulations, 2015 thereby fulfilling Section 41(f) of the Universities and Other Tertiary Institutions Act which states that the University Council shall, in relation to its functions, provide for the welfare and discipline of students. The regulations apply to all students of the University. I therefore encourage all the students to read and adhere to the Rules and Regulations and for Management to ensure the regulations are complied with.

The University is highly constrained in its developments and operations due to inadequate financing both from Government and fee paying students. The inordinate resistance by students to comply with the Fees Policy put in place by Council continues to be a major challenge for efficient service delivery. As Management in consultation with Council, endeavors to diversify the University resource base, I appeal to students and parents to ensure timely payment of tuition and other dues. It is therefore in the interest of each and every stakeholder to ensure that this premier University in Uganda remains functional. We are glad that Government considered the enhancement for both Teaching and Non-Teaching Staff of all Public Universities.

Finally, Council greatly appreciates the role of Government in the infrastructure development of the University. In particular we applaud H.E the President of the Republic of Uganda, Yoweri Kaguta Museveni, for the support given towards stabilizing the University. The on-going construction and renovations of the laboratories in the various Colleges through the funding from African Development Bank will contribute to better learning and research environment. Likewise the promise by H. E President for Government to fund the perimeter wall will contribute to the security of all persons and property within the main Makerere University Campus.

Eng. Dr. Charles Wana-Etyem
Chairperson of Council

Foreword



The Makerere University Annual Report provides an overview of the developments undertaken, successes realised and challenges faced during the Year 2015. The Report is structured along the thematic areas outlined in the Makerere University Strategic Plan 2008/09-2018/19; especially the core functions of Teaching and Learning, Research and Innovations, as well as Knowledge Transfer Partnerships. The Report further articulates how the supporting environment was configured to provide quality education and nurture academic institutional development amidst economic challenges.

Under teaching and learning, we continue with our quest to expand access as well as nurture a quality graduate competitive in the national and global environment. To this end, new programmes have emerged and initiatives focusing on the versatility of the skills given to students deepened. Integration of ICT in Teaching and Learning, internships and international collaborations have played a significant role in our efforts to enhance the employability of our graduates. For Research and Innovations, the strategy to move towards a research led university predominates our focus. New developments have been realised in agriculture, health, policy and ICT research. Our dissemination and publications in international databases such as the Elsevier-Scopus and Web of Science have shown marked improvements.

I applaud the development partners who have greatly contributed to the research profile of Makerere University, notably the Swedish Government under Sida, the Norwegian Government under NORHED, USAID and the National Institutes of Health. At the national level, the Presidential Initiative for Science and

Technology denotes Government commitment to research development at Makerere University. It is our prayer that this will be broadened to cover both the sciences and the humanities in a multidisciplinary manner.

We continue to experience challenges in the financial situation at the University. The public-private provision of University education has generated tension amongst the staff and students at Makerere University. Financial resources are inadequate, yet the capacity for timely payment of tuition and other revenue from private students remains problematic.

We have registered some milestones in our efforts to diversify the financial resource base. The Makerere University Holding Company has progressed with the engagement of a Transaction Advisor for the commercial developments of the university estate and land holdings into viable projects. The Makerere University Endowment Fund continues with its pursuit to receive, mobilize and grow resources for the benefit of the University current and future generations. Our offshore investments with Crown Agents Investments Management worth GBP 1m have been diversified to cover both equities and financial investments. I however, need to underscore that the benefits from these investment efforts are long term.

I wish to re-echo the need for the Alumni to support University development projects. I call on you-our Alumni, in whatever way you can; be it financial, intellectual, skills, and mentorship, to support University activities. We invite you to join Mak on social media sites, sign up for the different College newsletters, make a donation before the year ends, volunteer at an event, and respond to a survey. The smallest of the gestures is more than welcome to ensure that we move the institution to greater heights.

The year 2015 marks the end of the eight-year term of office Professor Mondo Kagonyera as the second non-Head of State, Chancellor of Makerere University. The University has tremendously benefited from his stewardship. We heartily congratulate and welcome the new Chancellor, Professor Ezra Suruma. We look forward to his Installation in January 2016.

We Build for the Future.

Professor John Ddumba-Ssentamu
Vice Chancellor

INTRODUCTION.....	1
Annual Report Thematic Areas 2015 Highlights.....	1
2 TEACHING AND LEARNING.....	2
2.1 Mak Statistical Profile.....	2
2.1.1 Student Admission.....	2
2.1.2 Student Enrolment.....	3
2.1.3 Student Graduation.....	3
2.2 New Programmes and Curricular Review.....	4
2.3 Practical Orientation – (Internships).....	5
2.4 ICT in Teaching and Learning.....	7
2.5 Access to University Education.....	9
2.6 Teaching and Learning through Visual Art.....	10
3 RESEARCH AND INNOVATION.....	13
3.1 Introduction.....	13
3.2 Ict Research.....	15
3.3 Agricultural Research.....	18
3.4 Health Research.....	18
3.5 Policy & Social Research.....	21
3.6 The Presidential Initiative For Science And Technology.....	24
3.7 Support To Research Function (Grants).....	27
4 KNOWLEDGE TRANSFER PARTNERSHIPS.....	32
4.1 Introduction.....	32
4.2 Community Service.....	37
4.3 International Partnerships.....	39
4.4 MOUs signed in 2015.....	40
5 ACADEMIC SUPPORT ENVIRONMENT.....	42
5.1 Library Services.....	42
5.2 ICT Support Service.....	42
5.3 Physical Infrastructure and Planning.....	43
5.4 Human Resources.....	45
5.5 Organization and Management.....	47
5.5.1 The Search for Chancellor.....	47
5.5.2 Endowment Chairs in Economics.....	47
5.5.3 Gender Mainstreaming: Mak Policy and Regulations against Sexual Harassment.....	48
5.6 Student Report.....	49
5.6.1 Student support systems.....	50
6 FINANCIAL MANAGEMENT AND RESOURCE MOBILISATION.....	51
6.1 The Makerere University Endowment Fund.....	51
6.2 The Makerere University Holding Company (MakHoldings).....	52
6.3 Financial Performance.....	53
7 PUBLICATIONS.....	53

Acronyms

ACBF	- African Capacity Building Foundation
AERC	- Africa Economic Research Consortium
ART	- Antiretroviral Therapy
CAES	- College of Agricultural and Environmental Sciences
CDC	- Centre for Disease Control
CEDAT	- College of Engineering, Design, Art and Technology
CEES	- College of Education and External Studies
CGC	- Counselling and Guidance Centre
CGPA	- Cumulative Grade Point Average
CHS	- College of Health Science
CHUSS	- College of Humanities and Social Sciences
CoBAMS	- College of Business and Management Sciences
CoCIS	- College of Computing and Information Sciences
CoNAS	- College of Natural Sciences
CoVAB	- College of Veterinary Medicine, Animal Resources and Biosecurity
CURAD	- Consortium for Enhancing Universities Responsiveness to Agribusiness Development
DELP	- Distance and Lifelong Learning
DFID	- Department for International Development
DICTS	- Directorate for Information Communication Technology Support
DVC (AA)	- Deputy Vice Chancellor (Academic Affairs)
DVC (FA)	- Deputy Vice Chancellor (Finance & Administration)
EPM	- Economic Policy Management Programme
HESFB	- Higher Education Students Financing Board
ICT	- Information & Communication Technology
KCCA	- Kampala City Council Authority
KYU	- Kyambogo University
Mak	- Makerere University
MakSPH	- Makerere University School of Public Health
MCF	- MasterCard
MIT	- Masters in Information Technology
MoESTS	- Ministry of Education, Science, Tehnology and Sports
MoH	- Ministry of Health
Mak	- Makerere University
MUARIK	- Makerere University Agricultural Research Institute Kabanyolo
MUELE	- Makerere University E-Learning Environment
MUPSF	- Makerere University Private Sector Forum
OHCEA	- One Health Central and Eastern Africa
PWD	- Persons with Disabilities
RAN	- Resilient Africa Network
RUFORUM	- Regional Universities Forum for Capacity building in Agriculture
SoL	- School of Law
SSP	- School of Statistics and Planning
UMI	- Uganda Management Institute



VISION

To be the leading institution for academic excellence and innovations in Africa

MISSION

To provide innovative teaching, learning, research and services responsive to National and Global needs

CORE VALUES

- Allegiance to the Institution
- Integrity
- Customer Responsiveness
- Professionalism
- Openness to Diversity

1 INTRODUCTION

Similar to all public agencies, Makerere University annually produces work plans and budgets to guide its activities; facilitate monitoring and evaluation as well as provide a benchmark against which to assess the success and challenges. For Makerere University, the work plans are derived from the thematic areas outlined in the University Strategic plan 2008/09-2018/19. The activities undertaken are in line with the overall goal to reposition Makerere University to meet emerging socio economic problems at national and global levels.

We acknowledge that engagement and dialogue with communities and environments is fundamental to the relevance of the University. The role of communities to influence academic provision and research manifests through such partnerships. During the year, knowledge transfer partnerships have included governance, public health as well as engineering, science and technology. These extend beyond local and national communities to international partnerships and MoUs that have defined Makerere University as an international brand.

Our support environment continued to improve over the year. The library collection and facilities improved, the ICT bandwidth improved from 170Mbps to 200Mbps through the RENU initiative. The human resource function is at the centre of the University activities. We have steadily improved the numbers of staff at the senior academic ranks of Professor (85) and Associate Professor (145) and Senior Lecturers (193). These demonstrate the capacity and quality of the academic provision of Makerere University. Equally important is the improvements in the physical space, plans for improving the road networks through a PPP arrangement was mooted; several research projects including the Presidential Initiative for Science and Technology embed improvements in laboratory facilities; the AfDB- HEST project is set improve lecture facilities and selected laboratories in five colleges. These developments notwithstanding, physical infrastructure status and space (academic & welfare) remains a key challenge to the University.

2 TEACHING AND LEARNING

Teaching and learning is one of the core functions of Makerere University. Our aim is to enhance access opportunities and meet the Higher Education requirements at national and, international levels. Mak strives to produce graduates that will be relevant in the work environment. This section highlights the 2015 milestones in this area.

2.1 Mak Statistical Profile

2.1.1 Student Admission

Fifteen thousand, four hundred and forty five (15,445) students were admitted to the undergraduate Mak Programmes for the academic year 2015/16. Of these, 11% were on government scholarship and the fee paying were 89% (private – 87% and international – 2%); Graduate admissions was 2,431 for programmes tenable at Mak. Affiliated Colleges/Institutions had 6,712 students admitted on the undergraduate programmes and 597 students admitted on the graduate programmes. This constituted 29% of the overall admission in the academic year 2015/16, female students represented 47% of the total admissions. Table 1 gives an indication of the admissions for the year.

Table 1: Student Admission 2015/16

	Under Graduate							Graduate				
college	Gov't		Private		Internat'l		Total	National		Internat'l		Total
	F	M	F	M	F	M		F	M	F	M	
CAES	99	141	290	487	1	3	1021	105	168	13	36	322
COBAMS	88	61	1296	1289	23	35	2792	135	288	10	44	477
CoCIS	47	64	666	858	3	13	1651	45	108	-	3	156
CEES	105	205	1267	1438	4	5	3024	71	102	1	3	177
CEDAT	60	187	205	595	2	19	1068	49	204	-	7	260
CHS	68	110	176	246	49	34	683	161	215	33	46	455
CHUSS	176	106	1637	1096	35	50	3100	194	128	15	9	346
CoNAS	45	116	146	289	1	5	602	15	78	1	9	103
CoVAB	13	33	238	479	3	12	778	17	62	2	17	98
School of Law	14	30	85	173	3	2	307	12	21	1	3	37
Fort Portal Campus	-	-	124	140	-	-	264			-	-	-
Jinja Campus	-	-	64	87	-	4	155			-	-	-
Total Mak	715	1,053	6,194	7,177	124	182	15,445	804	1,374	76	177	2,431
MUBS	264	111	2956	2062	30	64	5487	220	291	2	12	525
MUBS0ARUA	-	-	42	54	-	4	100			-	-	-
MUBS0JINJA	-	-	247	258	1	-	506			-	-	-
MUBS0MBARARA	-	-	200	205	-	-	405			-	-	-
NSAMIZI	-	-	116	98	-	-	214			-	-	-
Health Tutors' College Mulago					-	-		9	14	-	-	23
Uganda Institute of Bankers					-	-		7	19	-	-	26
Ggaba National Seminary					-	-			23	-	-	23
Total Others	264	111	3,561	2,677	279	432	6,712	236	347	2	12	597
Total	979	1,164	9,755	9,854	403	614	22,157	1,040	1,721	78	189	3,028
Sub Total	2,143		19,609		1017		22,157	2,761		267		3,028
Grand Total	25,185											

Source: Academic Registrar & DRGT, January 2016

2.1.2 Student Enrolment

Table 2 gives the details on students registered within the University system across the different colleges as 48102. Twenty two percent (22%) registered for programmes tenable at MUBS. Undergraduates represented 94% of total enrolment; Females were 48% of total enrolment.

Table 2: Student Enrolment (Registered) 2015/16 by Level

College	Undergraduate			Graduate			Grand Total
	F	M	S-Tot	F	M	S-Tot	
Agricultural & Environmental Sciences	816	1390	2206	82	127	209	2415
Business & Management Sciences	2287	2692	4979	186	391	577	5556
Computing & Information Sciences	1622	2255	3877	55	87	142	4019
Education & External Studies	3284	3786	7070	68	92	160	7230
Engineering Design Art & Technology	798	2366	3164	42	185	227	3391
Health Sciences	478	1016	1494	231	299	530	2024
College	Undergraduate			Graduate			Grand Total
	F	M	S-Tot	F	M	S-Tot	
Natural Sciences	351	820	1171	19	50	69	1240
Vet Med Animal Resources & Biosecurity	299	675	974	13	43	56	1030
School of Law	434	822	1256	23	27	50	1306
Fort Portal Campus	42	49	91				91
Jinja Campus	274	298	572				572
Total Mak	15951	19407	35358	867	1383	2250	37608
MUBS	6350	4139	10489	1	4	5	10494
Sub- Total	22301	23546	45847	868	1387	2255	48102
Grand Total	45847			2255			48102

Source: Academic Registrar's Department, 31st December 2015

2.1.3 Student Graduation

Mak held its 65th graduation in a colourful three-day ceremony where 13,762 students awarded with diplomas, degrees and PhDs. Forty nine percent (49.4 %), of these were females, and 12 % were at the postgraduate level. The number of PhDs was 57 compared to 51 in 2014.

Table 3: Summary of Student Output 65th Graduation January 2015

Level	Diploma		Bachelors		PGD		Masters		Total		
College/Sex	F	M	F	M	F	M	F	M	F	M	Total
Agricultural & Environmental Sciences	-	-	217	314	-	-	32	77	251	401	652
Business & Management Sciences	-	-	1,102	1,091	1	2	81	159	1,185	1,254	2,439
Computing & Information Sciences	19	22	501	609	1	1	26	54	549	686	1,235
Education & External Studies	57	58	512	503	5	20	34	30	611	614	1,225
Engineering Design Art & Technology	4	12	173	477	1	8	3	25	181	527	708
Health Sciences	4	7	87	160	-	-	80	105	178	276	454
Humanities & Social Sciences	2	5	1,404	824	60	82	115	186	1,581	1,105	2,686
Natural Sciences	-	-	80	162	-	-	11	25	93	189	282
Veterinary Medicine, Animal Resources & Biosecurity	16	60	47	87	-	-	11	35	75	184	259
School of Law	-	-	155	104	-	-	5	9	160	113	273
Total Mak	102	164	4278	4331	68	113	398	705	4864	5349	10213
Mak Business School	-	-	1,823	1,470	-	-	117	136	1,941	1,608	3,549
Total	102	164	6,101	5,801	68	113	515	841	6,805	6,957	13,762
Grand Total	266		11,902		181		1,356		13,762		

Source: Graduation Booklet January 2015



Chancellor Mondo Kagonyera awarding Ms. Ruth Morris Keesling her honorary Doctorate

Ms. Ruth Morris Keesling was awarded a Doctor of Science (Honoris Causa) of Makerere University during the 65th Graduation Ceremony, in recognition of her distinguished and selfless contribution to Makerere University, Uganda, the Eastern and Central Africa region and global communities. Ms. Keesling is a celebrated American wildlife conservationist who has dedicated her life, resources and purpose for living to the transformation of Makerere University, the advancement of Veterinary Medicine and Wild Life, animal health research and tourism in Uganda, Africa and world over

2.2 New Programmes and Curricular Review

Mak aims at continuously reviewing and updating all her academic programmes to ensure relevance and elimination of duplication. To this end, the university initiated the process of curriculum restructuring and review. The programme restructuring committee will complete this process in 2016. The university strategy in developing curricular relevant to community development needs extends to joint degree programmes and partnership in academic offerings. During 2015, The Mak School of Public Health (MakSPH), Centre for Disease Control (CDC), and the Ministry of Health (MoH) partnership reviewed the Public Health Fellowship Programme. The programme aims to build leadership and management capacity for health programmes in Uganda. Review focus centred on Field Epidemiology, Laboratory Systems, Monitoring and Evaluation (M&E), Health Informatics, and Prevention Effectiveness (Health Economics) training. These will support various health interventions including surveillance and epidemic investigations/response, communicable and non-communicable diseases. Nevertheless, for the year under review, Colleges of Health

Sciences, Humanities & Social Sciences and Agricultural & Environmental Sciences updated curriculum as highlighted in the table 4.

Table 4: Programmes Reviewed

College/ Unit	Programme
Curriculum Approved by Senate	
COCIS	MSc. Record and Archives Management
CHS	Masters in Health informatics MSc Health Professions Education MSc. International Health Research Ethics
Curriculum Reviews Awaiting Senate Approval	
CHUSS	Postgraduate Diploma in Gender and Local Economic Development
CHS	Master of Public Health
CAES	BSc. Water and Irrigation Engineering BSc. Bioprocessing Engineering, BSc. Animal Science and Husbandry, BSc. Agricultural Economics, Bachelor of Rural Economy & Cooperative Management, MSc. Integrated Animal Production Systems, MSc. Horticulture and MSc. Natural Resource Economics.

2.3 Practical Orientation – (Internships)

The University strategy was to cultivate a learner centred mode of instruction. Internships and field attachments create avenues for interaction between the students and the world of work before completion of the academic programme. Internship makes the classroom's abstract theories and learned examples tangible by placing the student in a real life work situation. While there are formal engagements made by the University, the student community has initiated various activities that involve communities and enhance their appreciation of the interface between the university and its environment. For 2015, such initiatives included the College of Computing and Information Sciences Collaborating with New Vision and Mendex USA for systems development. The College of Engineering Design Art and Technology in partnership with KCCA focused on garbage management ideas in the *Kitezi Project*.

Twenty-six student interns from the **CoCIS** collaborated with New Vision on a digitalization to help in creation of different online systems among others included: Jobs auto for online posing of jobs and recruitment of workers; an online system for booking and monitoring of advertisements; and an online farmers system.

Kiteezi Project: Third year students in the Department of Architecture and Physical Planning undertook a 3-months research project at the landfill in Kitezi. The students in their dialogue and dissemination to KCCA noted that recycling and use of landfills for waste-disposal would not provide a permanent solution. They proposed that the landfills as an energy source would provide a new dimension to the concept of energy efficiency. Alternative uses proposed included making pipes out of the plastics at the site, plastic doors, tiles, gas, cards, and Bricks.



New Vision's CEO Robert Kabushenga and Mak VC Professor Ddumba-Ssentamu at the MOU signing ceremony flanked by staff from both organizations

Brucellosis Control Conference

The School of Veterinary Medicine and Animal Resources (SVAR) organized and held a training on Brucellosis diagnosis and control. Experts from the Department of Microbiology and Parasitology, University of Navarra-Spain facilitated the training. Spain once held a world record of the most incidences of brucellosis but managed to bring the prevalence from 70% in livestock and 20% in humans to zero. It was for this reason that SVAR collaborated with the University of Navarra to train staff and students in the best practices in brucellosis diagnosis and control. This training had aspects of lectures, practical and a vaccination exercises. All 60 participants received a certificate of the University of Navarra and Mak.



Some of the participants in the dialogue



MPH students attending a manuscript-writing workshop in February 2015

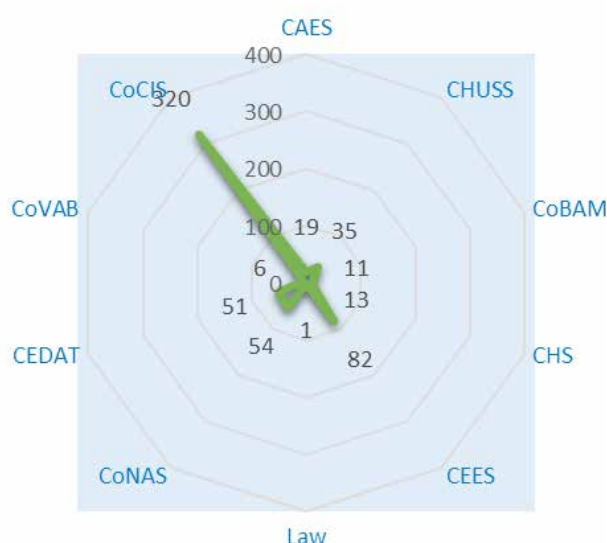
Centre for Disease Control (CDC) Support to graduate programmes for Scientific Writing

The MakSPH-CDC Co-operative Agreement continued to offer support to the Master of Public Health (MPH) programme by supporting students' tuition, field training sites, outbreak investigations, manuscript writing and funds for field projects. By the end of 2015, 17 Year II MPH and 31 Year I students had attended the training.

2.4 ICT in Teaching and Learning

Mak is embracing the use of ICT in the delivery of its programmes using the Mak E-Learning Environment (MUELE). All the ten colleges have an online presence in MUELE. By December 2015, MUELE had 592 uploaded courses up from the 456 courses in 2013. College of Education and External Studies recorded a significant increase in uploaded courses from the 16 in 2013 to 82 in 2015. Deepening the MUELE experience in Mak, the KAYOKA project trained a number of staff to **develop Multi-media E- learning Modules**. Eleven (11) multidisciplinary staff from Mak have had an intensive two weeks training to build their capacity to develop multi - media supported e-learning materials. The training involved fieldwork, editing and organizing the materials for educational purposes in line with the course learning objectives. The project further procured modern state-of-the-art equipment installed at the Department of Extension and Innovations Studies. This equipment will enhance transfer of knowledge and boost the Distance Learning aspect of the institution while giving it competitive advantage in the region.

Figure 1: Active Courses on the MUELE platform



Source: Mak E learning unit January 2016

College of Computing and Information Sciences (CoCIS) staff have finalised discussion on ways of cooperating with The Regional Universities Forum for Capacity building in Agriculture (RUFORUM) to incorporate ICT in boosting the agriculture sector. This support will inform curriculum development, build outreach and engagement platforms for increased reach, address commodity value as well as vibrant platforms that link universities to non-academic stakeholders at the National and International levels.

Annual Media Convention: The Department of Journalism and Communication hosted the Annual Media Convention to establish whether technology has enhanced communication and empowered people to be creative. The convention examined the use of platforms such as blogs, podcasts, wikis, and message boards in the production and sharing of media content.



Daily Monitor Managing Editor Carol Beyanga handing over the Tebere-Mudin award and a cash prize flanked by Professor Nawangwe (extreme left) and NTV Managing Director Agnes Konde (extreme right) who unveiled a new citizen journalism application NTVGO



Assoc. Prof. Aaron Mushengyezi, Dr. William Tayebwa and Eng. Godfrey Mutabazi (delivered a keynote titled; "Is Technology a Friend or Enemy?")

The best performing Communication and Journalism Student, Samuel Kamugisha, who scored a CGPA of 4.49, was awarded with the Tebere-Mudin award and a cash prize of UGX 1 million during the event.

Mak Launches the Pioneer Mobile Application (Makapp)

The Quality Assurance Directorate (QAD), with support from the Swedish International Development Cooperation Agency (Sida), has developed the pioneer Mobile App with multiple platforms. This App empowers users to monitor activities, access information while allowing the University to show research evidence and other necessary functionality. Makapp integrates Courses Information, Makerere Publication Performance System, Graduate Tracking, Undergraduate Student Monitoring, Admissions cut-off and admissions information, equipment and facilities database, News and Student Guild Communication. The App has versatile attributes in mind extending to usability, effectiveness, efficiency, learnability, satisfaction, memorability and low-error rate. This app is available on the Google Play Store and www.qad.mak.ac.ug/makapp.apk.

2.5 Access to University Education

Since the inception of the private entry scheme, the University has adopted initiatives and partnerships to expand university education to both national and international students. Access opportunities target academic excellence, multidisciplinary and students socio-economic backgrounds. Access focused programmes standing out in 2015 include the **MasterCard Scholars Programme at Makerere University**.



The ten-year programme that provides a comprehensive academic and social support package is in the second year of implementation. The MCF renewed their commitment to support 1000 youth from Africa. The programme awarded forty-six

(46) scholarships for the academic year 2015/16. This brings the number of Scholars to ninety-five (95).



L-R: Dr. Florence Nakayiwa (Programme Coordinator), Ms. Grace Hui (Senior Financial Analyst), Professor Ddumba-Ssentamu (VC-Mak), Ms. Grace Mwai (Programme Manager)

In similar provision, 173 students have benefited from the scheme to study in Mak for the Academic Year 2015/16 under the **Higher Education Students Financing Board (HESFB)**, loan scheme introduced by the Government of Uganda in 2014. This compares with the 252 students admitted to Makerere University on the scheme in academic year 2014/15. The loan covers tuition, functional and research fees as well as aids & appliances for Persons with Disabilities (PWD).

Through the African Development Bank to Support the Higher Education, Science and Technology (AfDB-HEST) programme thirty-two (32) students from disadvantages backgrounds have scholarships to pursue undergraduate degree studies. In addition, Ten (10) students at Masters Level (research only) and 10 PhDs received AfDB-HEST scholarships.

Apart from the general scholarship, subject specific scholarships received during the year include the music Scholarship Fund by the Department of Performing Arts and Film; the Royal Kingdom of Saudi Arabia support to enhance the Arabic Language; the French Embassy to promote the French language in various disciplines; as well as the Chinese, Italian and Germany Embassies. These enhanced staff development, and instruction in their respective languages.

Music Scholarship Fund: Staff and students of the Department of Performing Arts and Film together with the performers of Uganda Heritage Roots held the inaugural Mak Music Scholarship concert. The Concert is a performance project intended to raise funds into a Music Scholarship Fund for academic sponsorship of talented students in Performing Arts and Film at Mak. The project a brainchild of staff from the Department of Performing Arts and Film and was born out of the realisation that several talented students could not afford tuition fees. Chancellor George Mondo Kagonyera, who presided over the concert, pledged to contribute UGX three million shillings towards the Fund.

Saudi Supports Students to study Arabic



Ambassador of Saudi Arabia to Uganda, H.E Dr Jamal Rafah, hands over the donation

The Royal Kingdom of Saudi Arabia provided a grant of USD 90,000 to support 20 Mak students to study Arabic language for a period of three years. The grant in addition will boost and promote the teaching of Arabic Language in the Colleges of Humanities and Social Sciences (CHUSS) and Education and External Studies (CEES).

2.6 Teaching and Learning through Visual Art

The Margaret School of Industrial and Fine Art, held several exhibitions during the year. The themes ranged from personal development and utilisation of local materials for construction to the ability to express divergent views through Art. The pictorial captures some of the **Exhibitions and Activities over** the year.

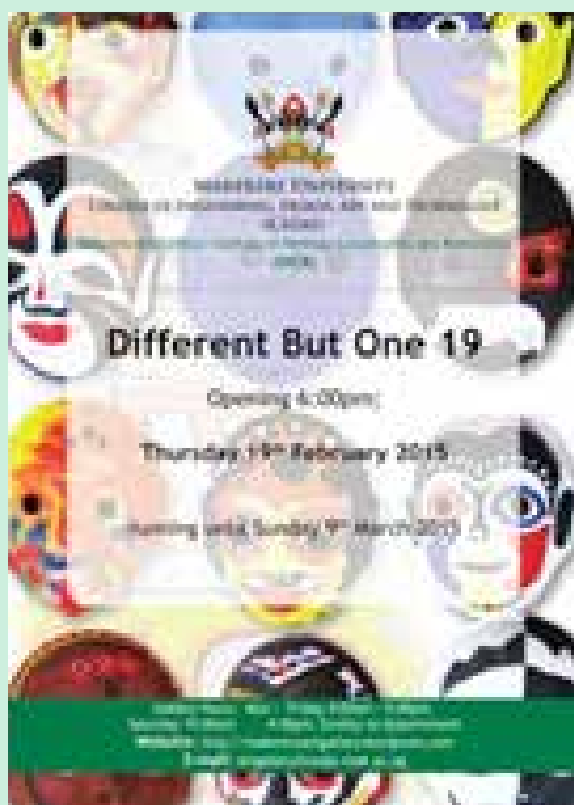
MAKERERE ART GALLERY PRESENTS

DAUDIMZILI A DICHOTOMY OF CREATIVITY indigenous expressionism

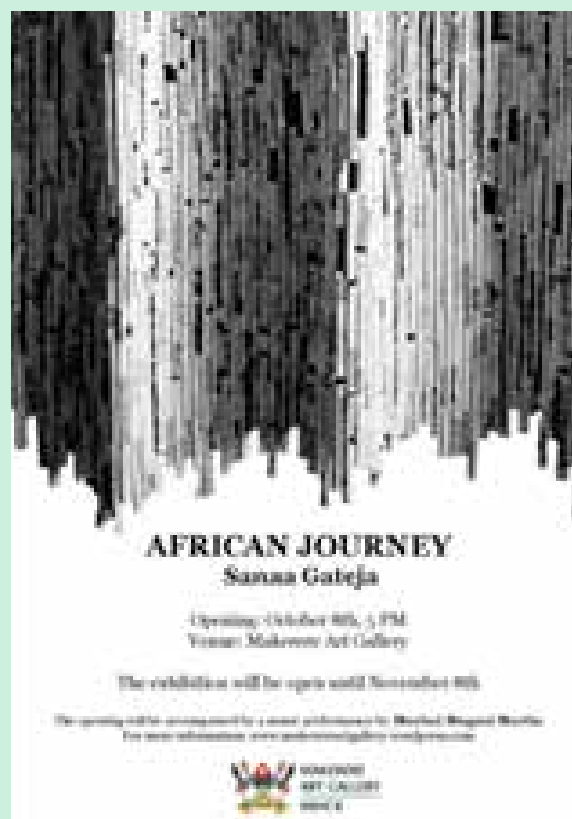


Daniel Karungi and Henry Mzili Mujunga

believe that all human beings are capable of divergent thought. While not implying that new media has little to offer, they purport that there is simply a lot that has not been explored or explained in traditional media such as painting, therefore, painting as a medium of expression is still helping to explore creativeness



Artist/curator **Rebeka Uziel** from Israel organized this unique display of new works by lecturers from Margaret Trowell School of Industrial and Fine Arts at Makerere



65 year old **Sanaa Gateja** is a Ugandan artist, whose practice focuses on creating environmentally conscious art, re-using found objects that many people would unthinkingly disregard as garbage. He also has a passion for using indigenous materials such as backcloth in his work.

His show took the audience on a journey exploring his artistic development through life, and also challenging his viewers to reconsider what they regard as having value. The exhibition comprised of wall hangings, sculptures and wearable art made out of bark cloth and paper beads.



The Exhibition was an outcome of the Art Work workshop in partnership with Margaret Trowell School of Industrial and Fine Arts, Maisha Foundation and lettera27. This workshop saw students questioning everything they thought they knew about themselves, their cultures, their identities. The certainties, the preconceptions, the conventions have been crumbling down like sand castles. Every posed question opened a new perspective, a new door, and a new interpretation of their daily artistic practices



"Beautiful Imperfections" was an exhibition of sculptures by Ivan Allan Bwambale, Emmanuel Lwanga and Patrick Mulondo teamed up for an exhibition of their latest works. The art works are assemblages from various scrap metal pieces, forged metal and assembled slab technology; where each artist recycles, transforms and redefines the once rejected objects into beautifully thought through artworks that become a dialogue between the artist and his environment.



Permanent collection exhibition was an event that hosted over 10 Ambassadors of Uganda where important works including the finest paintings from the independence decade to the early 1990s from the permanent collection of Makerere Art Gallery/IHCR were temporarily displayed for viewing by the public

Mathias Tusiime is a staff member of the College of Engineering Design Art and Technology, where he has worked as a cleaner since 1999. Unlike other staff members who have stuck to their job boundaries, Tusiime did not settle at being just a cleaner. With profound curiosity and a desire to learn, he interacted and engaged with art students and art teachers.

Without any formal education, the self-taught artist and paper maker has developed a personal style of painting which has seen him blossom in the art scene both nationally and internationally.

3 RESEARCH AND INNOVATION

Mak has uniquely positioned herself among universities in Uganda to differentiate by advancing basic and applied research in both humanities, science and technology and related innovations. The University continues with her quest to become a research led institution. Initiatives to improve the research thrust and strengthen research capacity include Doctoral Supervision and Mentorship Training as well as software driven anti-plagiarism developments. For the year in review, the volume of research output increased. A review of the research databases Elsevier -Scopus and web of science show a significant improvement in the number of research publications by Makerere University staff. As part of the research support system, Council approved the Research and Innovations Communication Strategy (RICS). The goal of the RICS is to *institutionalize a coherent approach to communicate Mak's research and innovation outputs to increase their relevance and uptake by various end-users*.

At the institutional level, key developments have emerged in agricultural, health and ICT research. Two centres have evolved from University research activity, the Centre for Climate Change Research and Innovations based at the Colleges of Agriculture and Environmental Sciences, for Climate Change, the Lung Institute and Malaria Centre in the College of Health Sciences.

3.1 ICT Research

ICT research for the year focused on the areas of machine learning, security, ICT for development, model and web based systems, E-Learning, mobile computing and communication, Documentary heritage, education records management, information policy and publishing, knowledge management, ICTs for Libraries and LIS Curriculum. The main mode of generating ICT based innovations has been through competitive research grants and international

networks. Foundations including the Bill and Melinda Gates Foundations, Google and USAID under the Resilient Africa Network have provided financial support to the College of Computing and Information Sciences to develop ICT applications that target community for agriculture, health and other day-to-day engagements.

Projects such as the AgShare have provided indigenous knowledge preservation in the areas of cattle keeping, banana, beans, cassava & maize growing and poultry. The research findings uploaded on the online OER database. Some of the developments were:

- a) **Traffic Monitoring App**; a group of Mak PhD researchers at CoCIS have invented a traffic congestion monitoring app for developing cities which is cheaper compared to the prevailing technology and can help users to always predict their traffic time. The motivation for the research was the traffic congestion in Uganda, where people spend a good percentage of productive work time in traffic jams. Computer vision techniques is used to take a sequence of images, which will calculate traffic flow speeds through manual calibration.

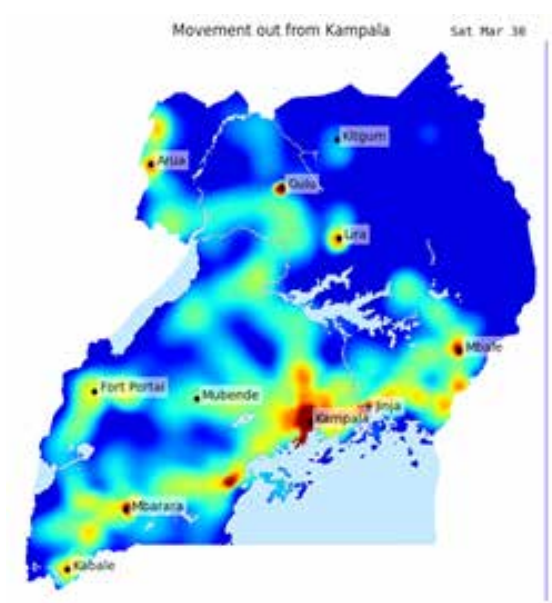


- b) **Kudu-mobile**: Mak in collaboration with UC Berkeley and UC San Diego has come up with Kudu – a mobile auctions system (<http://kudu.ug>) for agricultural produce Uganda. This mobile auction

system is used for buying and selling agricultural produce aided by free SMS exchanges between buyers and traders. The field trial attracted produce worth \$1.7 million. The traders send a single text message, and the system takes into account price, location and other factors to find the best matches.



- c) **Mak with funding from the Bill and Melinda Gates** under the Programme for Emerging Agricultural Research Leaders (PEARL) innovated an automated mobile survey technology and spatial modelling of viral cassava diseases in Uganda. The product code-named the **Whitefly App**: diagnoses viral crop diseases in cassava crops. The app was tested by researchers at National Crops Resources Research Institute (NaCRRI) and is set to boost cassava production.



Using the *Whitefly* app cassava farmers can take a picture of the cassava leaves using the mobile phone camera and diagnosis is done via the app. The diagnosis allows for early discovery and treatment options before the diseases spread to other crops. The research aimed at boosting cassava production through disease diagnosis in early stages. This work is part of the a broader programme supporting work in the Artificial Intelligence and Data Science research group of the School of CIT.

- d) Mak research has further enabled **Prediction of Infectious Disease Spread** in Uganda using Telecoms Data. The project involves analysis of statistics collected from telecoms companies in Uganda to monitor the movement of the population in order to predict the spread of threatening infectious diseases. The map here shows an example of population movement measurements which can be used for this purpose. The project is in collaboration with United Nations Global Pulse.
- e) **Mobile Laboratory Diagnostics** through the Grand Challenges Grant, students in COCIS have developed Mobile Laboratory Diagnostics using 3D-printed Microscope Adapters. The procedure uses 3D printing technology to produce adapters by which phones with cameras can be mounted on a microscope eyepiece. The software then carries out image processing in order to count parasites and pathogens. Work has focused on malaria diagnosis, and is expanding into identification of tuberculosis bacilli and intestinal parasites. The project is in collaboration with clinicians in Mulago National Referral Hospital.
- f) **E-Musawo Apps**: Young innovators from the CoCIS and the School of Public Health displayed innovation products and processes that can provide access to safe water, health care and re-establishing family links. Among the innovations was the Ceramic Organic

Filter used to decontaminate water without boiling. This innovation is meant to help control water borne diseases in areas with infected water. An emergency Telemedicine system (E-Musawo), a mobile appliance used in examining patients' pressure was exhibited along with Musawo Drugs, a mobile app that helps to authenticate drugs, show drugs' details, identify the cheapest drugs and the nearest hospital from which people can access those drugs. This is to help people to access quality medical services at affordable prices. Other innovations include a Blind Mobile user app, RootIO -a community radio, which

uses a mobile phone to broadcast- Low Cost Solar Pump and Gasifier Stoves for purifying water.

To highlight all these and other developments, CoCIS held the Innovation Exhibition 'CoCIS connect' with over 6,000 students. The College set new trends with regard to ICT education, research and innovations in Africa to help solve the ongoing national and global challenges such as climate change, food security, health, education and national transformation. The novelties were showcased in CoCIS connect under the theme; *"From Invention to Innovation"*.



Participants and College leadership take a moment for a photo opportunity with the Vice Chancellor

3.2 Agricultural Research

In the area of agriculture, research milestones during the year included, low cost mechanised solutions, animal diseases and response to climate change.



- a) **The MV MULIMI Project** College of Agricultural and Environmental Sciences under the Department of Agricultural and Bio- systems engineering (ABE) invented a **three wheeled Farmers Multipurpose tractor** code named the *"MV Mulimi"*.

MV MULIMI project is a multi-purpose low cost mechanized solution for small scale farmers in Uganda created from locally available materials. The project was supported under the Presidential Initiative for Science and Technology at a total cost of UGX 25 million. The tractor uses diesel fuel less than a half litre per day. The three-wheel vehicle was built completely out of parts and materials available in Uganda. Most of the main driveline and suspension parts are recycled from old cars. The MV Mulimi was designed with flexibility as to the type of cars and light trucks from which the parts are taken. The frame is designed with a large central power train "tunnel" that can fit a wide variety of transmissions and engines. The overall length, width, and height of the vehicle are respectively 3.7m, 1.5m, and 1.8m.

The bed is 1 m wide and almost 2 m deep, giving a total cargo area of 1.9 m². The wheelbase is about 2.5 m. MV Mulimi is designed to use a small diesel with an Engine of 13 HP.

The tractor with the plough



MV Mulimi has been tested for and is capable of performing five (5) tasks, namely; threshing maize to reduce post-harvest losses; pumping water for irrigation; charging phones to keep farmers informed of agricultural produce markets; hauling agricultural produce up to 1 ton and ploughing fields. The tractor can also transport up to 1.5 tonnes of agricultural produce from the farm to home or market. In terms of persons, the MV Mulimi can carry up to 18 people. Mulimi project was spearheaded by Professor Noble Banadda the Next Einstein Fellowship (NEF) 2015 Award winner. The NEF Scientific Program Committee lauded Professor Banadda's scientific achievements, his potential for leadership as well as the number of scientific publications he has under his sleeve.

b) Epidemiology and Characterization of Influenza Viruses in Animals in Uganda: In partnership with Makerere Walter Reed Project (MUWRP), the College of Veterinary Medicine and Bio Security carried out research in the North, East, West and Central areas of Uganda with study sites that included 110 live bird markets, 18 wetland sites, and 664 farm households. The research was to establish the prevalence and molecular characteristics of Avian Influenza (AI) Viruses in poultry, swine and migratory birds. It was discovered

that Influenza A Viruses are a threat to agricultural biosecurity and public health worldwide, including Uganda. Among the 20 migratory birds that visit Uganda, eight are high-risk species for spread of Influenza Virus.

- c) Agricultural research during the year extended to assessment of the use of indigenous plant and non-plant practices in goat farming. The research focused on **Anthelmintic Resistance and Evaluation** among goats in Uganda. Specific attention was made to the oral aqueous leaf extracts of 3 plants adopted by farmers and found to be less toxic in mice. The study observed the need for validation, feedback, and conservation of endangered species. Of significant importance was the analysis of plant extraction compared against the conventional anthelmintics.
- d) **Social-Economic Impact of African Swine Fever:** Mak's CAES, with funding from ILRI-USAID-BEC carried out research at the Uganda – Kenya border in Busia District and Teso region respectively to assess the knowledge, perceptions and practices of smallholder farmers with regard to African Swine Fever (ASF). While was discovered that 60% of the farmers were aware of ASF risk factors, however, 65.3% did not know what to do when their pigs got infected. Outbreaks of ASF are characterised by food insecurity, loss of income and expenditure, loss of social obligations and inadequate response management practices. The inadequacies generate actions that facilitate rampant spread of the disease. Therefore highlighting the need for more vigilance from government through information dissemination, incentives, quarantines, equipment, laws and rules to reduce vulnerability.
- e) **The 1st Climate Change and Opportunities for Sustainable Business in East Africa Conference** was organised to share ideas on how to strengthen the capacity of universities to address issues to do with climate

change, environment and natural resource management. The theme was “*Supporting the 2015 Paris Climate Change Conference: Climate Change and Opportunities for Sustainable Business in East Africa*”. Participants developed a Communiqué that was presented at the United Nations Climate Conference (COP21) in December 2015 in Paris, France. The conference was organized in partnership with the University of Bergen and the Norwegian Embassy in Uganda. The conference resolved to establish the **Centre for Climate Change Research and Innovations**.



The Vice chancellor's representative Professor John Muyonga (3rd from right) and the PI (5th from right) pose for a group photo with participants

- e) **Centre for Climate Change Research and Innovations established (MUCRRI)** in CAES. The centre is expected to transform MUCCRI into a leading centre for climate change education and research in the East Africa and entire Africa and to use it as a platform to develop the capacity of university staff, government officials, civil society, and private sector actors to better understand climate change, the impact, adaptation and mitigation.



Principal CAES, Professor Bernard Bashaasha addressing participants at the conference that endorsed MUCCRI

3.3 HEALTH RESEARCH

- a) Mak- School of Public Health commissioned to carry out the first ever **National Population-based Tuberculosis (TB) Survey**. The 18-month survey was designed and conducted to determine the prevalence and burden of TB disease in Uganda. The purpose of the survey was to obtain data and evidence that was to be used to improve prevention and control of TB in Uganda. The survey enrolled 40,000 people in 56 districts of Uganda above the age of 15. The survey supported by the Global Fund to Fight AIDS, Tuberculosis and Malaria and WHO was designed improve the accuracy of data regarding planning for TB control and prevention.
- b) The Infectious Disease Institute (IDI) concluded its research on Specific Antiretroviral Therapy Drug-Drug Interaction and the impact it has

on reproductive health. The study in collaboration with the University of Nebraska found that efavirenz, a commonly used HIV drug, could compromise efficacy of a family planning implant containing a drug called levonorgestrel. The study concluded that alternative contraceptive methods should therefore be considered for women on efavirenz.

Mak-College of Health Sciences Establishes a Lung Institute. The main aim of the Mak Lung Institute (MULI) is to stimulate high quality lung health research, training and clinical care programmes within the university in order to improve lung health of Ugandans and beyond. The MULI was established under the auspices of the Lung Consortium International. To support the smooth running of the MULI activities; two boards were established; the Board of Governors and Trustees and the Institute Technical Board



Some of the Members of the Board of Governors and Trustees after inauguration



3.4 Policy & Social Research

Policy research during the year centred on development of dialogue with key national and international stakeholders in the areas of economy, higher education, and reproductive health. These were organised by university units, namely, the Colleges of Business and Management Sciences, Humanities and Social Sciences as well the Makerere Institute of Social Research(MISR).

a) National Economy Dialogue

The School of Economics in COBAMS, in collaboration with the Ministry of Finance, Planning and Economic Development and United Nations Development Programme organized a high-level policy dialogue on Uganda's Economy under a Theme: *"Directions, Prospects, and Challenges"*. This dialogue was aimed at ear marking the best practices to ensure economic development while

ensuring sustainability. The dialogue drew participants from the industry, academia, policy makers and the international community. Within the realm of higher education and relevance to national development needs, MISR hosted a **Public Policy Forum on Higher Education**. This forum attracted participants from research institutional, Development agencies and Embassies in Kampala. There were representatives from the National Planning Authority, Civil Society, Swedish Embassy staff, National Council of Higher Education, and the general wider public.

- b) **Launch of the Uganda History, Archaeology and Heritage Association:** The first ever Uganda History, Archaeology and Heritage Association was launched. The major goal of the Association is to promote the disciplines of History and Archaeology through intensive research and quality publications and support the current regime of Historians to “fit in the shoes of eminent scholars”.
- c) Other policy oriented research initiatives involved research trying to establish the stalled fertility in Uganda and how to address the associated challenges; understanding the socio cultural context of birth experience for women in Uganda; assessing the capacity of 30 districts to integrate population factors in development plans at local government level; and developing a research agenda for the country population programme under The **Centre of Population and Applied Statistics (CPAS)** in the College of Business and Management Sciences
- d) The College of Humanities and Social Sciences, School of Women and Gender Studies was part of the **launch of UN report on status of women:** Uganda launched the flagship report highlighting the progress of women globally. The report titled; “*Progress of the World’s Women 2015-2016: Transforming Economies, Realizing Rights*”, was launched by the State Minister for Gender, Labour and Social

Development, Hon. Rukia Nakadama Isanga. The evidence-based report provides ten key recommendations for action that Governments and other authorities can take in order to move towards an economy that truly works for women. It highlights non- discriminatory benefit in areas such as creation of more and better job opportunities for women; reducing occupational segregation and gender pay gaps; strengthening women’s income security throughout the life cycle; recognizing, reducing and redistributing unpaid care and domestic work as well as investing in gender responsive social services and maximizing resources for the achievement of substantive equality.



L-R: UN Women Country Representative, Ms Hodan Addou The Head of Delegation, European Union, H.E Ambassador Kristian Schmidt, State Minister for Gender, Labour and Social Development, Hon. Rukia Nakadama Isanga, Regional Director UN Women, Eastern and Southern Africa, Ms Christine Musisi and the Dean School of Women and Gender Studies Professor Josephine Ahikire



R-L: Assoc. Prof. Sabiti Makara (R), the Head, Department of Political Science and Administration, Dr. Suzie Muwanga, and the Chairman, Fountain Publishers, Mr. James Tumusiime at the launch

- e) In the context of the ongoing political environment, Professor Sabiti Makara et al from CHUSS launched a book

entitled *Elections in a Hybrid Regime: Revisiting the 2011 Ugandan Polls*. The book provides a multidisciplinary approach and a multifaceted analysis of the 2011 elections in Uganda. It provides field-based insights into critical, but often under-appreciated aspects of the electoral process. The publication was an outcome of a joint academic project between the French Institute for Research in Africa and Mak Department of Political Science and Public Administration, supported by the Democratic Governance Facility.

f) CHUSS' Borderland Dynamics in East Africa Project:



Participants from the border communities in Kitgum follow the presentation by Aguto Above

PhD students from CHUSS sponsored by the NORHED held a dialogue with over 41 residents of Namokora and Orom sub-counties in Kitgum District to among other things discuss the livelihood of the Acholi people after the 20-year long LRA war. The dialogue brought together NGOs, security personnel, religious leaders and media

practitioners under the theme “Acholi Experience of Belonging after the LRA War and Life across the Uganda-South Sudan Border”. The changing patterns of Acholi identities after resettlement were analysed; the influence of borders in defining an Acholi in the context of war, Internally Displaced Persons (IDPs) and resettlement; the clan and elder system in defining an Acholi today and the significance of religious practices in the post-war Acholi. The contributions of the local communities form part of the policy briefs to government.

g) Early Childhood Education (ECE) and Care

Developments in education have focused on early childhood and education. The College of Education and External Studies with support from UNICEF Uganda hosted the National Dialogue on Early childhood Care and Education under the theme: *Taking early childhood care education seriously*. Participants made recommendations and action points for a comprehensive integrated childhood care and education system involving government, parents, childcare centres, higher education institutions and health workers. The dialogue also advocated for an ECE integrated approach in higher education institutions where all students are trained on parenting and early childhood education.

In partnership with the Ministry of Education, Science, Technology and Sports and Early Childhood Development Training Institutions' Associations Uganda (ECDTIA-U), The College of Education and External Studies has mapped out ways to strengthened Uganda's Early Childhood Education, Development and Care. It is envisaged that through the Centre for Teaching and Learning Support over 100 Early Childhood Development Training Institutions in the country will be affiliated.

This partnership has multiple implications and directions pivoting on: collaboration in the assessment & certification of early childhood development and childcare trainees; capacity building for early childhood development and education trainers and other related stakeholders.

3.5 The Presidential Initiative For Science And Technology

The Presidential Initiative for Science and Technology at Makerere University commenced in 2010. The first phase of funding concluded in the year under review with remarkable contribution. The initiative has enhanced the platform for the University to contribute to national development through knowledge generation, innovations and transfer by integrating the community the academia and research. Some of the key achievements include innovations in food technology and agro processing; engineering and transportation technologies; community based value addition and networking. The initiative has extended to skills enhancement for youth in areas of animal production technology. The initiative supports three colleges at the University including the College of Engineering, Design Art and Technology (CEDAT), the College of Agriculture and Environmental Sciences (CAES), specifically the School of Food Technology, Nutrition and Bio-engineering; and the College of Veterinary Medicine, Animal Resources and Bio-security (COVAB).

The Food Technology and Business Incubation Center (FTBIC) at the College of Agriculture and Environmental Sciences (CAES) has six years of enterprise development and creation of opportunities in the food industry. Milestones under the FTBIC have been research in agro-processing and capacity built to accommodate more production processing and business incubation. More than 1300 students, staff and the general community has been trained in entrepreneurship. Business enterprises have flourished and

staff and student capacity for developing commercial products enhanced.

Processing and Office Space: The FTBIC started from the Food Pilot plant an area of 460 m² where all the process lines were installed. The first phase of the construction measuring 1200 m² is complete and provides 2 separate process areas and office space for incubatees and incubator staff. This additional space has enabled the incubator to admit more incubatees and to undertake increased production. The second phase is planned. This will provide additional processing space as well as space for a variety of labs and teaching space.



Processing equipment: In addition to the fruits and vegetables line which previously existed, the centre has procured, installed and operationalised a meat processing line, a dairy line, bakery equipment as well as a gable packing machine. Using the meat processing line two incubatee SMEs are able to produce and market meat cuts, sausages, smoked meat, frankfurters and meat loaf to meet high-end market needs.

A diverse range of analytical equipment both for the food microbiology and food chemistry labs have been procured and are used for determining the nutritional content and safety of foods produced under the FTBIC. Equipping of the lab has also made it possible to expose Makerere University students to modern analytical techniques, enhancing their skills to internationally expected levels. Laboratory equipping has also enabled staff improve the quality of research outputs. Plans are under way

to have the laboratories accredited with International Standards Organization.

In collaboration with a UK based firm, the FTBIC designed a mobile fruit processor, with the aim of facilitating value addition in fruit and vegetable processing areas, as a way of creating markets for farmers. The first Mobile Processing Plant was completed by 2012 and has since been deployed in different parts of Uganda. This would be a major boost to the local economy and a demonstration of the potential of agro-processing to contribute to wealth creation.



The Centre for Research in Transportation Technologies [CRTT] Kiira EV The Kiira Motors has evolved from the international collaborations to develop the Turin smart car in 2007. The research thrust has since developed the: The Kiira EV, The

Kiira SMACK, & the Kayoola Solar Bus a heritage of African Science and Technology Innovation.



Left: The First Lady Hon. Janet Kataha Museveni at the Kiira Motors Business Case Launch 7.12.2015



Right: The Rt. Hon. Ruhakana Rugunda on arrival to Officiate the Launch of the Kiira Motors Business Case 7.12.2015

This program has been supported by a wide spectrum of artisans, craftsmen and technicians especially in the informal manufacturing sector. These skilled personnel have demonstrated readiness for fabrication of vehicle seats, body building from metal and fibreglass, mechanical and electrical system physical integration. This is a true testament of the availability of a labour pool in Uganda capable of supporting the Automotive Manufacturing Industry

SPEDA at the College of Veterinary Medicine, Animal Resources & Bio-security is imparting skills for production and development: The Presidential Initiative support through SPEDA and AFRISA has enabled the introduction and implementation of an innovative alternative model of delivering higher education through promoting skills, production, employment and development in animal resource value chains and industries (SPEDA). This initiative is spearheaded by the College of Veterinary Medicine Animal Resources and Bio-Security. The innovation is filling the gaps where the traditional models of tertiary education, research, outreach and human capital development had failed to transform the youth and common person and instead fueled youth unemployment and poverty. The College has continued to implement this alternative model of Higher Education under SPEDA among Post-Secondary School Leavers especially the youth in all regions of Uganda.



Clinical students at the college training at Nakyesasa Animal Farm

At the **College of Engineering, Design, Art and Technology (CEDAT)**, The Presidential Initiative has focused on improving research facilities especially the rehabilitation and modernisation of laboratories. Some of these include materials, thermodynamics, fluids, water resources, telecommunications, power, electronics, soil mechanics and the environmental laboratories as well as the public health lab among others. The fully equipped laboratories have placed the College as a regional hub for engineering research. They have further created a national resource to facilitate engineering research for the public and private sectors in Uganda.



Laboratory Equipment Procured under the Presidential Initiative



The Computer Lab

Other components under the College of Engineering Design Art and Technology include:

1. Innovation Systems and Clusters Programme; Enhancing Innovation and competitiveness in business among SMEs , 75 cluster initiatives have been launched country wide, representing different sectors of Uganda's economy.
2. The ARMS Project has created a blend of relevant pedagogical experiences and industry-grade information system solutions
3. The Centre for Research in Energy and Energy Conservation (CREEC); has enhanced access to modern types of energy through applied research, training and consultancy within Uganda and the East African region.
4. The Center for Technology Design and Development, (CTDD) is at the forefront of facilitating technology development and transfer activities in the college.
5. Low Cost Irrigation Schemes Project which has promoted adoption of irrigation technologies by smallholder farmers to irrigate crops and guarantee all year production and hence improve food security of the country. For the year in review, the project established a Demonstration Irrigation System at Makerere University Agricultural Research Institute Kabanyolo with three facets of Institutional water supply, Irrigation and Water for animals under the zero grazing scheme.
6. The MakaPads; addressing the plight of girl child in rural schools

3.6 Support To Research Function (Grants)

External funding has significantly to the research profile of Makerere Universities. The University had more than USD 50m worth of running projects in 2015. Several of these are multi-year projects from partners in health, notably, the National Institutes of

Health, Wellcome Trust, USAID and Carnegie Corporation of New York. At the institutional development level, the Makerere-Sida Bilateral Research Programme stands out as a predominant player in the University research process. Sida support to Makerere spans more than 15 years and captures, basic and applied science as well as research capacity and support systems.

Makerere-Sida Bilateral Research Programme-Sida Phase III (2010 -2015)

Mak has been implementing the Makerere-Sida Bilateral Collaborative Research Support programme 2000-2009. The overall goal of the programme is to assist Uganda in its efforts to promote research for attainment of new knowledge. In support of an environment conducive for research and research training, the programme coined the slogan "To support the supervisor to supervise" through collaboration with universities and scientists in Sweden and elsewhere. The research programme now in the fourth phase of implementation is coordinated by the Directorate of Research and Graduate Training (DRGT). The fourth phase running from 2015-2020.

The Sida bilateral collaborative research programme has been the largest so far at Mak. The planning phase of the bilateral research support programme was in 2000-2001 to a tune of SEK 15.0 million, followed by Phase I (2002-2005) for a total research support of SEK 104.110 million; Phase II (2005-2009) supported with SEK 181.0 million; Phase III (2010 -2015) supported with 215 million and Phase IV (2015-2020) to a tune of 267.816 million SEK making the total Sida support to Mak for the period 2000 – 2020 of SEK 782.926 million equivalent to USD 112 million

Cambridge Africa Partnership for Research Excellence (CAPREx)

The CAPREx Project is a partnership of Mak, the University of Ghana Legon and the University of Cambridge. The Project inaugurated in October 2012 supports the development of African academic research, research management and internationalization. The three-year US \$ 1.2 million grant from the Carnegie Corporation of New York (CCNY) built on and complemented existing initiatives in both Universities to ensure sustainability. The Carnegie Corporation of New York has awarded CAPREx a successor grant to the tune of USD 1,000,000 to support 24 Academic Fellows from Mak and the University of Ghana in the period 2015 to 2017.

Consortium of Advanced Research Training in Africa (CARTA)

As a member of the Consortium of Advanced Research Training in Africa (CARTA). Makerere University had by 2015 more than 300 Faculty and Administrators who had undergone the CARTA training. The CARTA Initiative aims at strengthening doctoral training, supervision and developing the institutional capacity of participating universities to conduct and lead internationally competitive, cutting-edge research. CARTA among other programmatic activities procured the Turn-It-In research software meant to improve research ethics and the quality of PhD supervision.

College of Health Sciences Set to Develop a Research Support Centre

Wellcome Trust (through Training Health Researchers into Vocational Excellence in East Africa (THRiVE), NACCAP II – University of Amsterdam, National Institutes of Health and Mak) has given generous support to CHS to set up a Research Support Centre (RSC). The Centre will bring together existing geographically scattered research management functions (research support, legal, finance, grants and contracts, research training, knowledge translation, scientific

and ethical review of research, procurement) on the two CHS campuses (MakCHS-Mulago campus and Mak main campus). This is meant to reduce delays in processing requests or applications and encouraging emerging and established researchers as users of the services. It will also provide space to add key research administration and management (RAM) services to the college research management system including: monitoring and evaluation, research integrity/ compliance, legal and intellectual property management, consultation services for RAM and innovations and knowledge translation that are critical for proper management of grants at the College. The RSC will further provide space to undertake private study to the expanding pool of doctoral and research fellows to improve their performance and productivity.



The Alliance for a Green Revolution in Africa (AGRA) funded acquisition of the modern state-of-the-art equipment for the Microbiology laboratory at Kabanyolo (CAES) under the new project dubbed, “The Improved Masters Project in Caltivar Development (IMCDA)”. The acquired equipment includes the Geno grinder, an automated system to study genetics and DNA. The grinder has a capacity to grind 380 plant samples in three minutes. Previously, lab scientists used a manual motor to grind and this would take three weeks to grind the same amount of plants. The other equipment

acquired are the Polymerase Chain Reaction (PCR) that allows the multiplicity of DNA and the Enzyme Linked Immunosorbent Assay (ELISA) for routine detection of pathogens that affect plants like bacteria, fungi and viruses. Additional support to MUARIK was from the Office of the Prime Minister (OPM) for new equipment for the rehabilitation of the weather station, funding for fencing and the purchase of vital equipment at the station at Kabanyolo.



The CAES leadership inspects the newly furnished laboratory

Developing Value Chain Innovation Platforms for Food Security in Eastern and Southern Africa (VCIP4FS) launched:

VCIP4FS is a four-year project (2015-2019) whose overall objective is to identify principles and drivers that can support innovation platforms to improve food security by connecting smallholder farmers with markets. It will focus more on enabling youth and women improve their livelihoods. This initiative is funded by the Australian Government through the Australian Centre for International Agricultural Research (ACIAR). It is coordinated by the World Agroforestry Centre (ICRAF) in partnership with the governments of Uganda and Zambia. The total project budget is 4.2 million Australian dollars. Of this, 3 million Australian dollars is from the Government of Australia and the other 1.2 million Australian dollars is a contribution from partner governments of Uganda and Zambia, University of Adelaide and ICRAF. In Uganda, the project is implemented in Kapchorwa and Manafwa Districts



Minister of State for Agriculture, Animal Industry and Fisheries (MAAIF) Hon. Lt. Col. (Rtd) Dr. Bright Rwamirama (Centre-cross legged) poses with officials during the launch of VCIP4FS

COVAB in National Integrated Surveillance of Antimicrobial Resistance

Uganda was selected by the World Health Organization (WHO) Advisory Group on Integrated Surveillance of Antimicrobial Resistance (AGISAR) to implement the two-year project entitled “Movement pathways of antimicrobial agents and occurrence of antimicrobial resistance in humans, food producing animals and retail foods in Uganda”. The competitive grant won by Makerere University represents the institutional capacity. It further signifies strengthened laboratory capacity for

undertaking conducting research that will guide policy making in the country. The concept of antimicrobial resistance call for a multi-faceted, multi-disciplinary approach generated from different stakeholders. The success of this project may ultimately put Uganda in a more informed position to develop a national programme on integrated surveillance for resistance. The College of Veterinary Medicine, Animal Resources and Bio-security (COVAB) will be at the forefront in the implementation of the project.

Resource Mobilisation and Grant Capacity Development at the College of Health Sciences

The CHS Grants & Contracts Office identified and circulated over 250 relevant funding opportunities; supported 17 teams in proposal development and submitted 14 proposals. During the period under review, CHS received seven new grants including;

- A five-year National Institutes of Health grant entitled, ‘Building Implementation Science Capacity in HIV at Mak.
- A six-year sub-contract from the University of Bergen, Norway for the project, ‘Malaria Chemoprevention for the post-discharge management of severe anaemia in children in Malawi, Uganda and Kenya: Moving towards policy.
- A five-year sub-contract from the University of Oxford entitled, ‘The Pathogenesis and treatment of nodding syndrome.’
- A five-year National Institutes of Health grant entitled, ‘NURTURE: Research training and mentoring programme for career development of faculty at Mak College of Health Sciences.’
- A one-year subcontract from the University of Yale entitled, ‘Mobile Health for Implementation of home-based TB contact investigation in Uganda.
- A three-year fellowship grant from MQ- Transforming mental health for a project entitled, ‘The effects of group psychotherapy delivered by lay health workers on depression among persons living with HIV in rural Northern Uganda.
- A three-year National Institutes of Health grant entitled, ‘Reducing stroke burden in Uganda’, an award to Mak College of Health Sciences in collaboration with the Case Western Reserve University.

3.7 Research Dissemination & Publications

Research dissemination and output defines the productivity of Makerere University in this core area. Dissemination over in 2015 included, conferences organised by University Colleges, seminar series, workshops, dialogues and exhibitions. While these dissemination mechanisms place Makerere University research in the national public domain to influence policy, research publications in international refereed journals give Makerere University the academic competitive edge, which has placed it among the best universities in Africa. Research profile and competence

further manifests in the number of PhDs enrolled by the different Colleges. The University undertook a research audit to assess research productivity and impact volume of research, research outputs, research funding. The data from the audit will provide a baseline for assessing productivity and impact of research and innovations at Mak in future. The year in review marked the rebirth of inaugural lectures when Professor Oloka Onyango gave his Ghosts and the Law. This section presents the different avenues in which Mak has been able to interact and disseminate its research findings.

Fig 2: Makerere University Research Output captured in the Elsevier- Scopus Database 2015

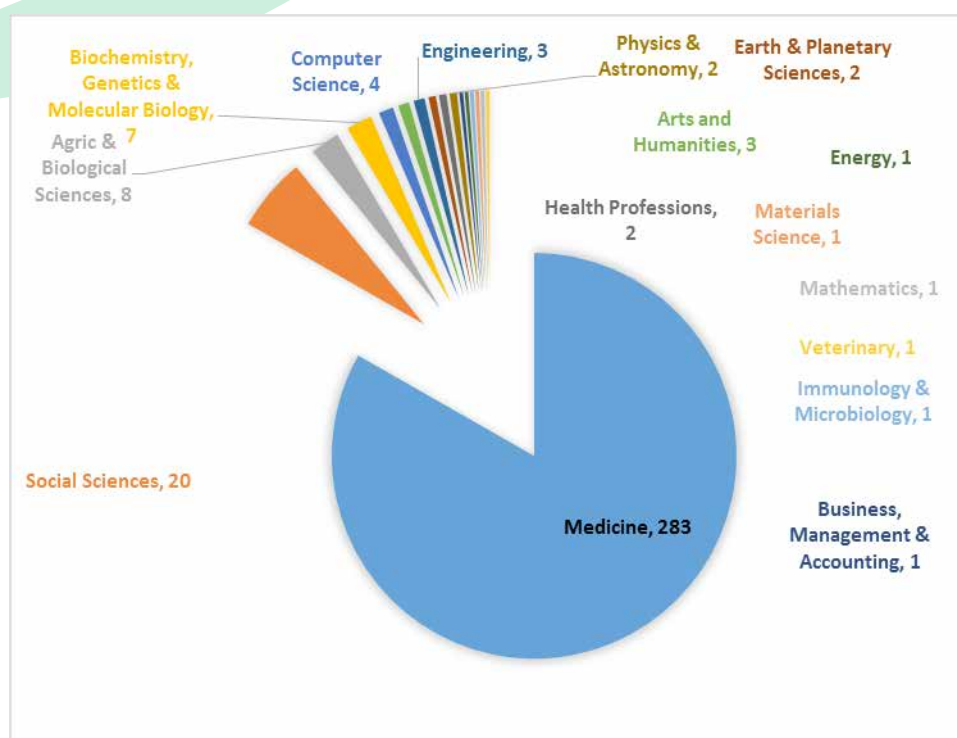
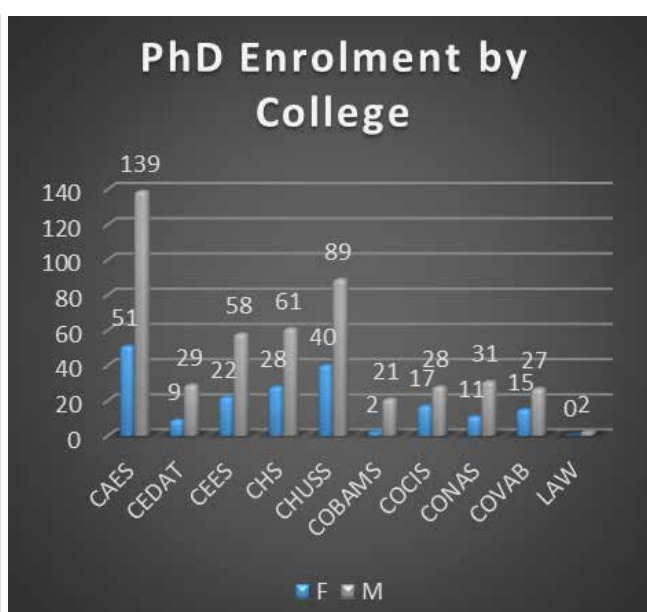
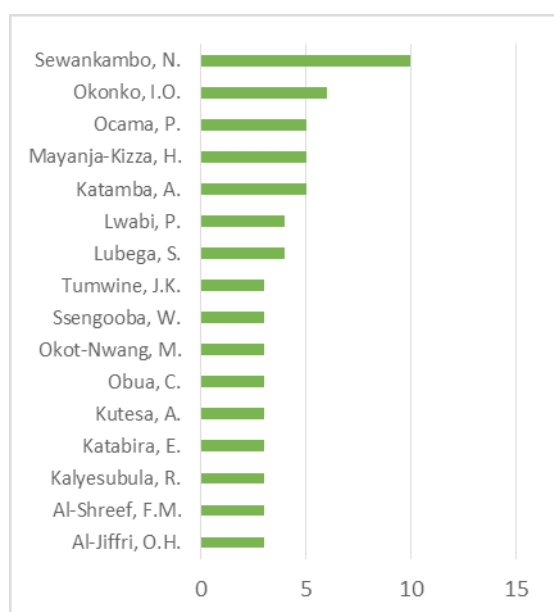


FIG 3: Authors with the Largest Number of Publications in the Scopus Database



Professor Oloka-Onyango Inaugural Lecture - Ghosts and the Law



Dr Damalie Naggita (Dean School of Law) hands Prof Oloka Onyango a plaque as VC Ddumba-Ssentamu (L) and DVC Okello-Ogwang (R) look on

In this highlight of academic excellence and contribution to knowledge, Professor Joe Oloka-Onyango gave an inaugural lecture titled, Ghosts and the Law, not at the beginning of his career but rather closer to its twilight. During the lecture, Professor Oloka-Onyango revealed that ghosts, which take on varied shapes, had long haunted the Ugandan law and sizes as the common law itself. He highlighted scenarios in which court declined to hear cases because they fall under the “political question doctrine” hence failure to call on the government

to act on the aggrieved matters. He nevertheless remained hopeful that one day, Public Interest Litigation (PIL) will eventually triumph, leading to reconciliation between the two ghosts; one backward-looking in support of extra-constitutional overthrow of government, and another which aspires for the protection of fundamental human rights, with the hope that the good one will prevail. The Vice Chancellor awarded Professor Joe Oloka-Onyango a plaque and certificate in commemoration of his fundamental duty as a full Professor of Mak.

Inaugural Professor William Ssentenza Kajubi Memorial Lecture



CEES Principal, Dr Fred Masaazi Masagazi, Prof. Ddumba Ssentamu, Prof. Mondo Kagonyera and Rt. Hon. Prof. Apolo Robin Nsibambi at the Inaugural Professor William Ssentenza Kajubi (W.S.K) Memorial lecture in February 2015. Professor Abdu B.K. Kasozi delivered the keynote address, on the theme: “Rethinking Uganda’s education system: suggested areas for reform”.

Launch of RUMPELHA at COVAB

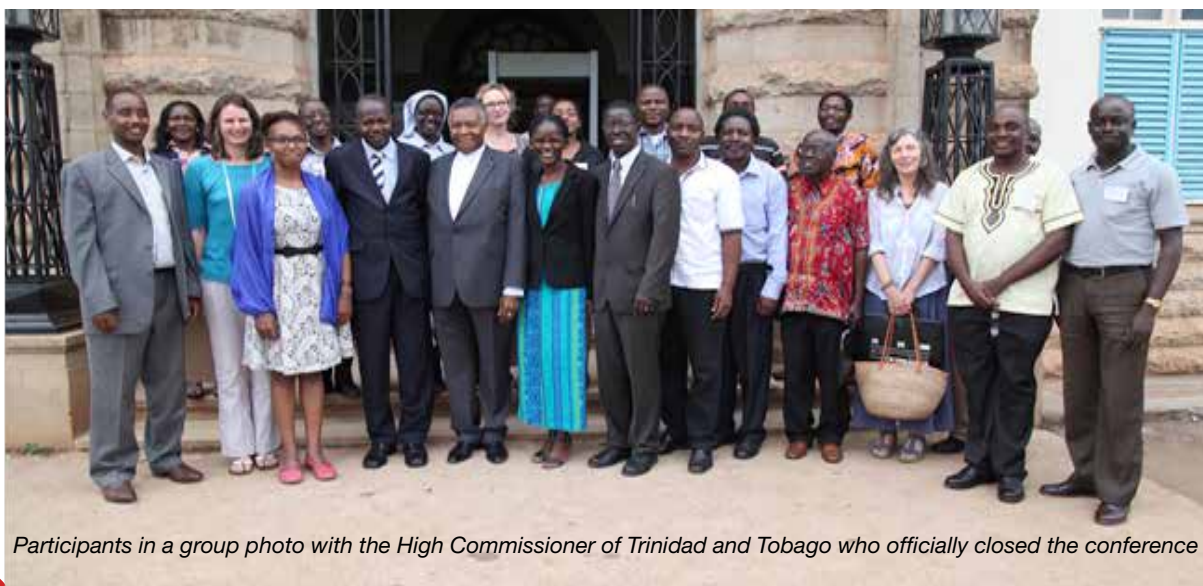
The Regional Universities Mediated Partnerships for Enhancing Livelihoods and Health in Africa (RUMPELHA) was launched during the fourth International Scientific Meeting on Sustainable Livelihoods and Health in Africa. The theme was “Sparkling Innovations for Sustainable Livelihoods and Health Security in Africa”. The international scientific meeting marked the end of Capacity Building in Integrated Management of Trans-boundary Animal Diseases and Zoonoses (CIMTRADZ) project, and the beginning of RUMPELHA. RUMPELHA comprises University led partnerships structured at regional levels with the summit housed at The African Union (AU) and it emphasizes food security, global health security and transformative higher education for development.

2nd International One Health Conference

COVAB participated in the 2nd International One Health Conference in November. The conference, brought science, policy and practice together. It aimed at framing effective strategies necessary for prevention, early detection and control of emerging infectious diseases now and in the years to come. The One Health Conference focused on three sub-themes; 1) Emerging Diseases: Pathogens and their Interface, 2) Innovative Multidisciplinary Intervention Strategies and 3) Emerging Pandemic Threats Preparedness and Response. Participants included scholars, One Health practitioners and policy makers, development partners, students from different disciplines in institutions of higher learning, private sector players who shared experiences and craft recommendations to advance One Health approaches in the region.

Eastern African Literary and Cultural Studies Conference

Literary and cultural scholars from across the globe converged at Mak for the second Eastern African Literary and Cultural Studies Conference to discuss ways of enhancing literary exchanges and dialogue in the Eastern African region as well as celebrating artistic productions. Organized under the theme: “Textualities of Space: Connection, Intricacies and Intimacies”, the Conference attracted participants from the East African region, Southern Africa, West Africa, Europe and North America. Participants discussed a wide range of issues including; East Africa in the global arena; trans-culturalism, trans-nationalism and regionalism; theorizing popular imaginaries; language and ideology; cultural identities; gender identities and masculinities; poetics of violence; mixed race relations; childhood narratives; print culture and digitization as well as diasporic and migrant narratives.



Participants in a group photo with the High Commissioner of Trinidad and Tobago who officially closed the conference

International Research and Innovations Dissemination Conference – April 2015

The Mak International Research and Innovations dissemination conference took place at Hotel Africana, Kampala Uganda. The primary objective of the Swedish Embassy in Kampala supported funded conference was to disseminate results and outcomes of the research and innovations supported by the Swedish Government to Mak. It was attended by over 500 guests comprising of international and national delegates.

The conference under the theme 'Community transformation through research, innovations and knowledge translation', brought together scholars from different parts of the world to share their research findings. This was the biggest research and innovations dissemination event organised by Makerere. The conference focused on five parallel research theme covering the University research agenda and embodied in her strategic plan. The themes were:

- (i) Health and Health Systems
- (ii) Natural Resource Utilization, Conservation and Environmental Sustainability
- (iii) Food Security, Safety and Value Addition
- (iv) Culture, Socio-Economic Transformation, Social Justice, Governance, Conflict and Disaster Management
- (v) Advances in Education, Science and Technology

The managers of the Sida Phase III Bilateral Programme received awards for their outstanding performance and programme success. Other awards included: Mak Management, Sida Steering Committee members, Sida Sub-Programme Coordinators and administrators as a token of appreciation.

4 KNOWLEDGE TRANSFER PARTNERSHIPS

Introduction

The University Strategic plan envisioned a paradigm shift from outreach to Knowledge Transfer Partners (KTP) as a means of cultivating and fostering of symbiotic relationship between the University and her stakeholders. KTP has been the avenue through which Mak has shared knowledge with the public and private sector. Most importantly, the University has gained mileage and exposure to real life situations that enhance learning by staff and students. For the year under review, developments included:

The Royal Enclosure

College of Engineering Design Art and Technology Architecture students

developed the **design for the proposed Ekisaakaate Kya Nnabagereka Centre of Excellence (The Royal Enclosure)**. James Kalyango designed the project. The foundation promotes local talents, values, culture, Architecture hence the choice of having a Mak student design the project. The site is located on 25 –acres of land at Ssisa, Wakiso District and the master plan sits on 15.7 acres. It comprises of the main building, dormitories for both male and female students, gardens, music and dance auditorium, art studios, swimming pool, playgrounds and offices among other things. The project will have a permanent home with these efforts.



CEDAT Principal (R) handing over the Ekisaakaate designs to the Nnabageraka (C)

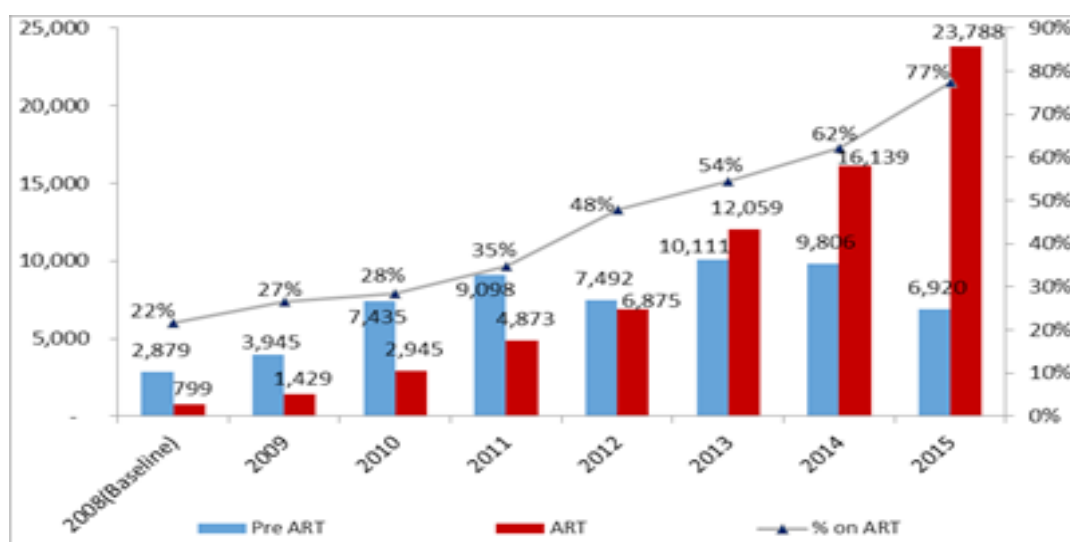


The Infectious Diseases Institute (IDI): IDI Outreach Programme gets another Five years:

Mak IDI Outreach Programme has been supporting HIV/AIDS prevention, care and treatment services in the seven districts of mid-Western Uganda (Kiboga, Kyankwanzi, Kibaale, Hoima, Masindi, Buliisa and Kiryandongo) using the Health Sector Support approach since 2008. The districts have been supported to provide an enriched HIV prevention care and treatment package that includes HIV prevention messages; risk

reduction counselling for HIV negatives; positive health, dignity and prevention for the HIV positives. At the end, the expanded Kibaale, Kiboga Project in March 2015, 30,837 HIV-positive clients were active in HIV care (compared to 3,678 at inception). The upcoming five year phase (2015-20) titled “Accelerating Comprehensive HIV/AIDS Service Delivery through Health Systems Capacity Building and Technical Assistance to District Health Teams and Health Facilities in the Western Region of Uganda”, is focusing on Bunyoro region.

Figure 3: Patients receiving HIV /AIDS care and treatment across the seven districts (2009-2015)



IDI Building Capacity through the IDI-Kampala Capital City Authority Twinning Programme



KCCA nurses during a hands-on practical session at IDI SRH mother-baby care centre

The twinning programme is an innovative mentorship approach that was started by the PCT Programme to specifically strengthen the capacity of Kampala Capital City Authority (KCCA) nursing staff to manage HIV-infected special patient populations consisting young adults, the elderly, discordant couples as well as TB/HIV co-infected and integrated HIV sexual reproductive services. The programme is running in the KCCA clinics of Kitebi, Komamboga, Kisugu, Kiswa, Kisenyi and Kawempe Home Care.

Maternal and Neonatal Implementation for Equitable Systems (MANIFEST):

is a project aimed at improving maternal and newborn indicators in the districts of Kamuli,

Kibuku and Pallisa using locally available resources. The study largely implemented community mobilisation and sensitization, as well as health systems strengthening activities. The trained 1,691 community health workers have continued visiting homes to educate families on birth preparedness and how to take care of mothers and newborns in their respective communities. The

community dialogues have moved from village level meetings to the smaller saving groups to facilitate meaningful dialogue. The MANIFEST radio talk shows were integrated into existing talkshows. By November 2015, all the formed 1500 savings groups had funds for supporting maternal and child healthcare needs including payment for routine and referral transport.



Community health worker visits a home in Kamuli



A saving group meeting in Kamuli

The Resilient Africa Network makes Innovation in-roads in African Universities and Communities

The Resilient Africa Network (RAN) on-boarded University of Nairobi, Muhimbili University and Bule Hora University as part of the network of 20 African Universities in 16 countries. With the Community at the core of RAN's resilience and innovation agenda, RAN has on-boarded 10 more communities, bringing them to 28, the total number of targeted communities who have so far participated in assessment, analysis, and evaluation of innovations, technologies, and approaches supported with HESN Development Lab. Four Intervention Strategy Workshops (ISWs) and two Collaborative Resilience Intervention Design workshops were conducted, resulting in completion of all ISWs targeted under the current award. These together with the Deliberative

Polls resulted into translation of resilience assessment findings into 21 priority intervention pathways for resilience building across target communities in Africa. At least 20 innovative ideas received indirect support through RAN's innovator outreach activities across the network including pitch sessions, involvement in international events, and co-creation sessions. RAN's first State of Resilience Report for Africa was published and launched in three countries: United States of America, Uganda and Nairobi. Its dissemination boosted RAN's status as a key player in understanding resilience in the region. The report provided the impetus for a growing strategic relationship with Inter-Governmental Authority on Development (IGAD).

Africa Institute for Strategic Services and Development

Mak's efforts to impart Skills in Ntungamo District, Africa Institute for Strategic Services and Development (AFRISA) in partnership with Ntungamo Transformation Initiative (NTI) equipped farmers of Rukoni sub county, Ntungamo district with various relevant skills to enable them increase productivity, improve quality and create demand for their produce. The training took place over an eight month period where a total of 169 farmers were awarded general artisan certificates in six disciplines of Fish industry and business, pig industry and business, Poultry industry and business, bee industry and business, dairy industry and business and zootechnics and agro entrepreneurship.



President Y.K. Museveni and first Lady Janet Museveni inspect the produce from some of the trainees

Efforts to Comprehend Gender Dynamics:

The School of Women and Gender Studies launched an outreach training programme aimed at creating a formidable force of intellectuals with the ability to comprehend gender dynamics, plan and advocate for gender equality from an informed position. The programme was unveiled at a ceremony to award certificates to 11 Isis-WICCE staff who had successfully completed a three-month training in feminism and gender analysis. The gender capacities of Isis-WICCE staff in feminist knowledge, analysis, planning, research, documentation and advocacy to enable them to effectively execute their organizational mandate of promoting women's leadership in conflict and post conflict settings.



Members of staff from SWGS join UN Women Country Representative, Ms Hodan Addou (second left), and the Deputy Principal Abasi Kiyimba (centre) to launch the programme



A team from familysearch.org meeting the Principal CoCIS

CoCIS and Family Tree; the College collaborated with familysearch.org to boost usage of its Family tree platform to help people create lineages of their families. A team from familysearch.org met the Principal CoCIS and discussed a working partnership. The familysearch.org platform will use innovations in ICT by CoCIS to make it widely adopted and used in Uganda.

From the governance perspective, the Department of Political Science held a series of seminars to discuss the national political environment within the general election discourse. The seminars brought together a group of policy makers, politicians, academics, independent researchers, and representatives of NGOs in an informal intellectual environment. Areas covered included intra-party democracy, the role of money in elections and party ideologies.



L-R: Mrs. Jacqueline Asimwe-Mwesige delivered the main presentation entitled "Political Parties in Transition: Procedures, Pressures and New Leadership – Internal Democracy Revisited", Moderator, Assoc. Prof. Julius Kiiza and Discussant, Prof. Joe Oloka Onyango at the seminar on intraparty democracy

L-R: Prof. John-Jean Barya who delivered the paper entitled "He Who Pays the Piper Calls the Tune: The Role of Money in Uganda's forthcoming General Elections", Moderator - Dr. John Kiyaga-Nsubuga and Discussant - Dr. Frederick Golooba-Mutebi



Front L-R: Dr. S.K. Simba's presenting his paper titled; "Same but Different: Parties, Politics and Ideology in Uganda". Dr. John Kiyaga-Nsubuga and Uganda Federal Alliance President, Hon. Betty Kamya

4.2 Community Service

Involvement in community initiatives extends beyond collaborative research to include community service and give back. This participation exposes the students to real life situations. It further enhances networks between the University the Community, the Public and Private Sectors. For the year in review, implemented initiatives in partnership with government ministries and agencies, local governments and international partners include:

1. The School of Public Health (MakSPH) - **Young Disaster Resilience Leadership Programme (YDRL)** in collaboration with Kampala Capital City Authority (KCCA) for community clean up in Makindye;

2. **Mak Centre for Research in Energy and Energy Conservation (CREEC)** working with rural communities in Uganda on the Rural Electrification Project. In an effort to reduce the usage of candles and fuel lamps, CREEC is working with the Ministry of Energy to extend the usage of solar to rural communities. The centre has put solar kiosks in four different districts. The kiosk has rechargeable solar lamps, which communities hire at only Shs500. This has reduced the number of people using fuels lamps, accidents due to fires and created employment for some youth.

3. **Science Education Students' Community Outreach:** Students from CEES' Department of Science, Technical and Vocational Education held a series of practical lessons to senior four students of Ruvuma College in Buvuma Island. The aim of the practical lessons was to give back to marginalized communities. Senior four students were being exposed to practical science lessons for the first time.

4. **The Mak Students' Entrepreneurship Club** was launched at the School of Agricultural Sciences. The club is an initiative under the project, "Solve the Equation East Africa" (SEE) funded by the MasterCard in the United States. SEE is

a collaborative project within the member universities in East Africa trying to change the mind-set of University graduates from thinking about job seeking to job creation by imparting several skills including entrepreneurship. The programme will train students and support them to commercialize ideas and linked to banks to enable them get loans.



Volunteers participate in a community clean up exercise



CEES students guide Buvuma College students through science experiments

5. **Short Courses by CEES:** The Centre for Lifelong Learning conducted a variety of needs based short courses to build the capacity of personnel in areas such as: Administrative Law, Public Administration and Management, Monitoring and Evaluation, Project Planning and Management, Human Resource Management, Educational Leadership and Management; Strategic Procurement and Logistics Management. Over 380 participants have undergone the training in districts such as Kabale, Hoima, Mbale, Iganga, Yumbe, Arua, Soroti, Kampala, Masaka, Buwenge, Gulu, Mbarara, Rukungiri.

- 6. ARI and AgTrain PhD Students hold Two Weeks Field Based Module in Nkozi** the students of PhD in Agricultural and Rural Innovations (ARI) and the European partner universities undertook a course in Agricultural Transformation through Innovations (AgTrain). This is a Field based module on Participatory Research Methods in Nkozi sub county Mpigi district. Students were dispatched to Bukunge and Ggolo parishes in Nkozi Sub-County, Mpigi district to learn about smallholder farmers, farming systems and challenges.



Some of the students reading the GPS to locate where they were



Community Health Workers display their training certificates

- 7. Mak School of Public Health supports Community Health Workers in Wakiso District.**

This two and a half year project is based at the Department of Disease Control and Environmental Health. It was designed to strengthen the Community Health Workers programme in Ssisa sub-county, Wakiso district. The main focus is supervision and motivation of all village health team (VHT) members in the sub-county. It is expected that improving these three components of the VHT work will increase their motivation, satisfaction and performance in primary health care and public health. Other project partners are Ministry of Health, Collaboration for Health (UK), and Wakiso District Local Government.

- 8. Voluntary Medical Male Circumcision for HIV Prevention**

Voluntary medical male circumcision (VMMC) services are offered as part of a comprehensive package of male reproductive health services that includes HIV testing and counselling; prevention messaging; STI screening and management; and safe male circumcision. The package also

strengthens linkages with existing services at facilities such as HIV care and ART services, reproductive health and family planning. By June 2015, IDI had circumcised over **190,064** adult males for HIV prevention. Innovative approaches have been utilized to generate demand for VMMC services including: conducting outreaches in communities, involvement of VHTs, local leaders, and women in mobilization

campaigns; and transportation models used to reach men in hard-to-reach areas. A total of 71 government health workers (26 clinical officers, 39 nurses & 6 counsellors) participated in the safe male circumcision surgical training. This aimed at ensuring that qualified Ministry of Health healthcare workers engage in VMMC activities, as a way of sustainability for project interventions.

4.3 International Partnerships

Partnership with the international community covers both development partner support in the implementation of core university functions. Internationalisation was identified by the University Strategic Plan as one of the cross cutting areas. International partnerships for the year 2015 cut across areas of teaching, learning and scholarship, research and innovations as well as KTP.

The **Turkish Cooperation and Coordination Agency (TIKA)** through Sabanci University's Istanbul Policy Centre donated equipment worth UGX 100M to the Mak Peace and Conflict Studies Centre. The equipment is meant to help the project fulfil its role of contributing to culture of peace through teaching, learning, research, publication and community outreach in the Great Lakes Region.



Ambassador Ayse Sedef Yavuzalp officially hands over the equipment to the Project Coordinator, Dr. Helen Nkabala flanked by Dr. Ogwang-DVC (AA) and Professor Kirumira the CHUSS Principal



Masters in Information Technology students pose for a photograph- The programme is a partnership between Mak-EASLIS, University of Pretoria, University of Wisconsin-Milwaukee (USA) and University of Illinois- A two-week interface was organised under the programme in 2015.

4.4 MOUs signed in 2015

PARTNERING INSTITUTIONS	DATE SIGNED	DETAILS
Mak and North Carolina State University	16 th September 2015	Five year collaboration in the areas of research and student exchange in seven colleges
Mak-CoBAMS and Kobe University		An academic exchange agreement for the purpose of promoting cultural transfer and mutual understanding as well as contributing to the progress of learning and the advancement of research and development through academic exchange and collaboration
Mak-CoBAMS and Stellenbosch University		Joint research, PhD Training and publication, Short-term capacity building, seminars and conferences.
Mak -CoBAMS and Mak Private Sector Forum	September 2015	Launched the Professor Emanuel Tumusiime- Mutebile Endowed Chair in Monetary Policy, Banking and Finance and Centre for Private Sector Development to provide an avenue for financing of the College in the areas of staff development and resources, Improve the visibility of the College and increase its interactions with Private Sector, provide an avenue for mentoring of staff and graduate students at the College
Mak-CAES and FAO Global Climate Change Alliance(GCCA)	May 2015	Uganda Agriculture Adoption to Climate change
Mak-CAES and Tegemeo Institute of Agricultural Policy and Development, Egerton University	March 2015	Collaboration in research and provision of measurement learning and evaluation (MLE) Services
Mak-CAES and University of Western Sydney Austria	February 2015	Academic cooperation
Mak- CAES and Ministry of Agriculture, Animal Industry and Fisheries(MAAIF)	February 2015	Increase Uganda's agricultural production and productivity
Mak -CAES and the International Potato Centre(CIP) Molina, Lima	February 2015	Establish the basis for technical and scientific cooperation for purposes of exploiting complementary research skills to further their missions
Mak and Africa Rice Centre Conou Benin	January 2015	PhD research project funded by SARDSC to bridge the yield gap for low land rice production ecologies among small holder farmers in Uganda
Mak -CoVAB and North Carolina State University (NCSU)	2015	Staff Exchanges, Research projects, Study Abroad programmes, Global Health Training programmes, Joint teachings through e-learning platforms
Swedish Government and Government of Uganda – Institutional Support	November 2015	The 32 million USD five year (2015-2020) agreement will significantly contribute to the transformation of Uganda through supporting the higher education sector, multi-disciplinary research, training of 337 academic staff and institutional development.
Mak's MTSIFA and US Embassy in Uganda	April 2015	The US Embassy embarked on supporting the preservation of Art and culture so that generations to come can better understand their cultures

PARTNERING INSTITUTIONS	DATE SIGNED	DETAILS
Mak and Duke University	May 2015	Students of Biomedical Engineering (jointly taught by CEDAT and CHS) will get a chance to access online resources from Duke University.
Mak and Kalsa Development Uganda Limited	July 2015	To renovate two parking sites of Nkrumah Hall and JICA as a way of increasing the parking space within the university.
Mak and Drexel University	February 2015	The five year agreement is to furnish collaboration in training and research; Staff in community outreach and education; exchange of materials in education, research, publications and academic programming under the School of Public Health, College of Health Sciences
Mak and The Royal Kingdom of Toro	November 2015	(MoU) to enhance each other's areas of interest and development in order to stimulate growth of each party and contribute to societal transformation and national development
Mak- CoCIS and Health Information Systems Programme – Uganda (HISP Uganda)	June 2015	Conduct short training programmes in fields of approaches to electronic Health Information Systems in collaboration with (HISP) Uganda. Courses offered include; Introduction to Routine Health Information Systems in Public Health, Electronic Health Information Systems Design using DHIS2, Data Analysis and Presentation using DHIS2 and Advanced DHIS2 Course.
Mak – CHS and Karolinska Institutet	Renewed Agreement	This partnership, which was initiated in 2003, renewed in 2011 and again in 2015, has resulted into 44 PhD students from Uganda and more than 500 peer reviewed articles. Some of the bilateral exchange programmes have been in the field of Dentistry, Medicine, Midwifery, Nursing, Occupational therapy, Physiotherapy, Public Health Sciences and Speech and Language Pathology

5 ACADEMIC SUPPORT ENVIRONMENT

The university core functions fit within a broader institutional framework. While the academic functions of teaching and learning, research & innovations as well as knowledge transfer partnerships define the functions of the university, library services, human resource, physical infrastructure, ICT provide the support systems. The organisational structure binds the two facets together. For the year in review, the library facilities and collection improved, the ICT facilities registered marked improvement and the development of centralised lecture facilities under the AfDB- HEST programme began.

5.1 Library Services

Library resources and facilities define academic provision of Universities worldwide. Within Makerere University, the strategy adopted has been a cumulative improvement of library resources. Through the traditional, print resources but most especially access to e-resources available for teaching and research across the globe. There are currently 280,984, 10,890 journal holdings and 4,332 authority records accessible by users via MAKULA. For the year under review, the Library progress in its pursuit to digitise available resources. To this, end the Library in 2015,

- a) Acquired a growing collection and this has been preserved where 1130 titles of books compared to 839 copies in 2014. 45 titles of print journals, 273 titles of Government publications, 193 dissertations, 1308 e-books, 3 e-book databases, 40 e-journal databases, 3 online audio visual lecture databases and 1300 music files. One hundred and fifty five (155) titles acquired through legal deposit; 396 titles were repaired; 83 dissertations and 14 microfilms digitized and 5 rare titles but highly on demand were reproduced.

- b) Procured library infrastructure for automating library functions that support optimal utilization of library resources. These included 10 wireless routers as backup for internet failure especially during trainings; Computers
- c) Library trainings were conducted for users, 1198 students were trained in optimal use of library resources; 62 internship students were supervised and 24 academic staff were trained in E-Resources access and use. Sixty two (62) library staff have gained knowledge in handling library activities. The library has provided outreach and publicity services to a number of institutions, by offering information literacy session to 25 institutions including: Bank of Uganda, Kyambogo University and Uganda Management Institute.

5.2 ICT Support Service

The Directorate for ICT Support (DICTS) was established to handle information management functions at Makerere University. Basing on the University ICT Policy and Master Plan, the unit has provided sustainable, available, quality ICT services through quality management, control and maintenance processes. For the year under review, some of the milestones achieved include.

- a) Services Creation and maintenance of MAK based domain names for the respective services and Enforcing MAK public domain IP management and port security. This has enhanced web visibility and ranking of Makerere University
- b) Increase bandwidth capacity and improved management from 170Mbps to 200Mbps through the RENU initiative
- c) Improved troubleshooting for better services and accountability through Network Monitoring and Accounting services (NFSEN, CACTI, SMOKEPING, NAGIOS)

- d) The Nettap system was upgraded from FAS2050 to FAS2552
- e) The Oracle licenses for the database core systems was renewed- this component expanded to consolidation for the system architecture for data mining
- f) ICT services survey was conducted to establish the perception of users about current services and recommendations for new services
- g) Increase access to ICT facilities; Implement and extend wired LANS in academic and administrative buildings
 - o A total of 140 data points were added to the network infrastructure in the College of Health Science
 - o Procure computers for colleges and kiosks in hall of residence (Thin Clients) and DICTS staff
 - o A total of 40 computers and 2 server were added to college of education and external studies, A total of 30 thin clients and 1 server were distributed to different internet kiosk for students in the following building Education, Senate and College of health Science
- h) Implementation, Monitoring and Evaluation of ICT facilities in the university extending to:
 - o MakPAY in Finance Department to establish real time tuition and other payments; This has further enabled the finance department to access Full Cashbook Journals
 - o Documentation of Makerere University Undergraduate dissertations under the Ezproxy system in the Library;

- o Makerere University E-learning environment improved;
- o Staff and Student Email systems upgraded;
- o Monthly Payslips data loading operationalized; and
- o CEMAS system development and requirement specifications

5.3 Physical Infrastructure and Planning

Physical infrastructure, learning facilities and lecture spaces define the quality of education. The bulk of physical spaces in Makerere University date as far back as the 1970. Focus for the year therefore, was hinged on rehabilitation of existing structures and expanding the space to accommodate the number of on-campus students. This section therefore highlights the milestones achieved in the provision of requisite teaching, learning and research environment in the year under review.

Teaching Spaces- The AfDB- HEST Programme at Makerere University

Through the Government of Uganda support, Makerere University has benefited from the African Development Bank-Higher Education Science and Technology Programme. The year under review concluded the procurement process for the civil works to be undertaken. Excel Company Limited was selected as the contractor through a procurement process by the Ministry of Education, Science, Technology and Sports. The supervising consultant for facilities development was identified as Arch Design. The construction process for the two centralised teaching facilities, and rehabilitation of nine laboratories is expected to last eighteen (18) months.



Artistic impression of Centralised Lecture Facility – Next to CHUSS

Apart from expansion under the AfDB-HEST, other developments include, rehabilitation of former dining facilities in the halls of residence (Lumumba, Mitchell, and Livingstone Halls and Bamboo House) have been redesigned to lecture places. The facilities have been equipped with the necessary facilities to provide a conducive environment for learning.

Traffic Control Management Services at Mak Main Campus

Mak contracted Kampala Access and Parking Services (KAPS), for the provision of traffic control management at the Main Campus. The partnership under the contract will include a) The Traffic Control, b) Provision of Parking as a Revenue Source c) Improved Security using d) Automated Parking Equipment and Cameras. The KAPS system is implemented on a “design, build and operate” for a period of five years, after which the installed infrastructure and equipment will be transferred to Mak. The contract further stipulates that 60% of the total revenue collected will be retained by the University. Mak Management agreed to channel this 60% through the Estates and Works Department Account to fund Road Network Maintenance within the Main Campus- to this end several parking spaces and roads have improved within the University.

Property Status Report

Land remains one of the key assets that define Makerere University as the premier public university in Uganda. For the year under review, boundaries opened for several of the university properties include:

- i) Katalamwa property boundaries opened and pillars erected to demarcate the boundaries.
- ii) Buyana Farm land boundaries successfully opened and deed plans for the same processed.
- iii) Veterinary land and valuation undertaken in view of renewing the lease agreement with Church of Uganda.
- iv) Sir Apollo Kaggwa quarters, Mak primary school and Bwaise junior staff quarters valuation undertaken for the purpose of compensation to Makerere Retirement Benefit Scheme.
- v) The joint impact assessment between Kampala City Council Authority (KCCA) and Mak for the property along Makerere Hill road needed for the expansion of this road. The site was handed over to the Contractor and Mak Management has completed negotiations with KCCA on compensation for the University land that will be affected by the project. KCCA will re-build dilapidated roads within the compensation amount determined by the Government Valuer, which is estimated at about UGX 6 billion.

5.4 Human Resources

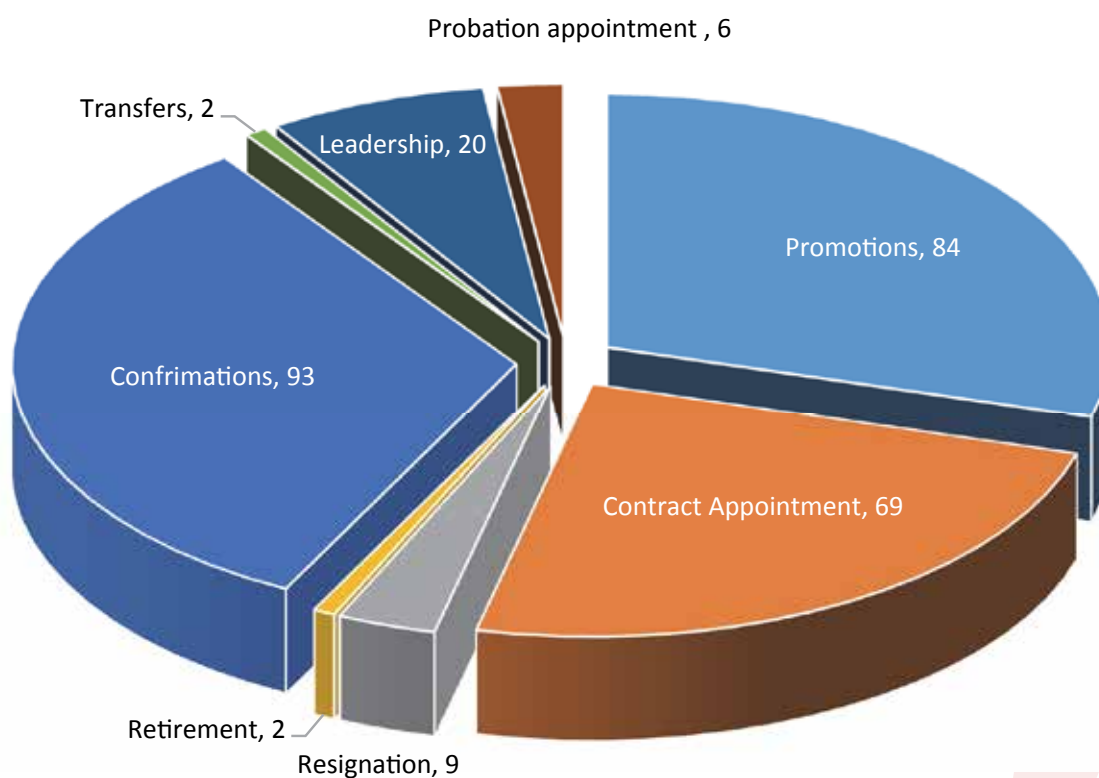
Staff recruitment and retention has played a critical role in the fulfilment of Mak's mission. It is for this reason that Mak has nurtured an environment of positive work with a culture

to achieve optimum performance. This section highlights the milestones achieved under the Human Resource function for year 2015.

Table 6: Academic Staff Status by Rank

College	Prof		Assoc Prof	Sen Lect	Lect	Asst Lect	TA	Part Time	Total
CAES	18		22	35	42	44	0	0	161
CEDAT	2		10	17	40	74	6	30	179
CEES	3		11	12	39	52	3	0	119
CHS	16		32	44	113	62	20	2	289
CHUSS	14		29	36	91	101	13	62	346
CoBAMS	1		7	11	25	64	2	27	110
CoCIS	3		2	8	23	45	15	0	96
CoNAS	13		13	18	50	54	7	6	155
CoVAB	9		16	8	15	41	11	0	100
FORT PORTAL CAMPUS	0		0	0	0	0	0	11	11
JINJA CAMPUS	0		0	0	0	0	0	8	8
LAW	6		3	4	8	22	0	0	43
Total	85		145	193	446	559	77	146	1651

Fig 5: Human Resource Movements 2015



Staff Retirements/ Promotions



Professor Maria Musoke Hands over Mak Librarianship to Dr Helen Byamugisha



Mr. Bazanye (R) together with his wife receive the recognition plaque from VC Ddumba-Ssentamu and Mrs. Mary Tizikara (L)

5.4.1 New Appointments

Recruitment of Members of Top Management



Mr. Charles Barugahare
University Secretary



Mr. Augustine Tamale
University Bursar



Mr. Alfred Masike Namoah
Academic Registrar,



Mr. Cyriaco M. Kabagambe
Dean of Students-



Dr. Charles Ibingira
Principal CHS



Dr. Isaac Okullo
Deputy Principal CHS

Deans in Colleges



Dr. Josephine Ahikire
Dean School of Women and
Gender Studies (SWGS)



Dr. Ronald Bisaso
Dean East School of Higher
Education Studies and
Development



Dr. Andrew Elias State
Dean School of Social
Sciences



Dr. Julius Kikooma
Dean, School of Psychology



Dr. Patrick Mangeni
Dean School of Liberal and
Performing Arts



Dr. Paul Birevu Muyinda
Dean School of Distance and
Lifelong Learning

5.5 Organization and Management

As provided by the Universities and Other Tertiary Institutions Act (UOTIA) 2001, Mak is mandated to harmonise her governance structures and functions, plans and policies to those of the Government. The main goal of this provision is to attain an efficient and effective organisational and management environment.

5.5.1 The Search for Chancellor

The Search for the new Chancellor was concluded with Dr Ezra Suruma taking on the mantle from Professor Mondo Kagonyera who concluded his eight-year term as the second non-head of state Chancellor of Makerere University. The Search Committee comprised of Chairperson Mr. Bruce B. Kabaasa, Mr. Stephen B. Maloba, Mr. John Chris Ninsiima, Dr. Euzobia Baine Mugisha and Dr. Sarah Ssali.



Dr. Ezra Suruma after receiving the Mace



Prof. Mondo Kagonyera

5.5.2 Endowment Chairs in Economics

Keeping in tradition with Universities worldwide, the year 2015 marked the commencement of endowed chairs at Makerere University. Two endowment chairs based at the College of Business and Management Sciences were instituted to promote economic research. In both cases the Chair goes hand in hand with development of research and library facilities that will service distinguished professors undertaking research as well as the wider university community. The occasion of announcing the Chairs was further used to celebrate distinguished alumni of Makerere University and especially the School of Economics. These are His Excellence President Mwai Kibaki of Kenya and Professor Emmanuel Tumusiime Mutebile, Governor Bank of Uganda.

Professor Emmanuel Tumusiime Mutebile Chair in Monetary Policy, Banking and Finance



L-R: DVC Okello-Ogwang, MoES representative Mrs. Gabona, Prof. Mutebile, Mrs. Mutebile, VC Ddumba-Ssentamu, Deputy Governor Louis Kasekende, Mak Council Chair Wana Etyem and Hon. Ruhakana Rugunda at the ceremony of unveiling the foundation stone

The distinguished Professor Emmanuel Tumusiime Mutebile Chair in Monetary Policy, Banking and Finance will be hosted by Makerere University School of Economics under the College of Business and Management Science (COBAMS). The Chair estimated at USD 5 million will be occupied by a distinguished Professor with a task of building Programmes and mobilising resources to sustain and uphold it.

The Prime Minister of Uganda, Rt. Hon. Ruhakana Rugunda, laid the foundation stone for the construction of a multi-billion complex in honour of the Governor of Bank of Uganda, Professor Emmanuel Tumusiime-Mutebile at Mak Private Sector Forum grounds. The Centre of Excellence estimated at USD 20million.

H.E Mwai Kibaki Endowed Chair in Economics, E.A



L-R: Vice President Edward Sekandi, H.E. Mwai Kibaki, Chancellor Kagonyera, VC Ddumba-Ssentamu and Principal Hisali of CoBAMS at the unveiling ceremony

Mak chose to celebrate distinguished alumnus H.E Mwai Kibaki, in recognition of his achievements, with a modern state-of-the art twin-tower library estimated to cost US \$50m. The project will host the Mwai Kibaki Endowed Chair in Economics, and the East African Mwai Kibaki Centre for Leadership, Public Finance and Policy, as well as the Presidential Library in Mak. The Government of Uganda pledged US \$5m towards the construction of the H.E Mwai Kibaki Presidential Library at Mak

Professor Apolo R. Nsibambi Launches Mak Convocation Sustainability Projects

The former Prime Minister of Uganda and former Chancellor of Mak, Rt. Hon. Professor Nsibambi launched two sustainability projects initiated by the Mak Convocation (MUC); the Annual Chancellors' Dinner and the Ivy League Alumni Register. The Ivy League Alumni Register will be signed (amidst full institutional honours) by alumni who will have significantly contributed to Mak causes.

The Mak convocation will give special recognition to the individual as having been an important Alumna or Alumnus.

King Oyo of Toro visits Mak



King Oyo Nyimba Kabamba Iguru Rukidi IV visited Mak and received recognition for his inspirational and noble leadership of Toro Kingdom as well as socio-cultural transformation of society through inculcation of cultural ideals and principles. The King toured the Food Technology and Business Incubation Centre as the College of Agriculture and Environmental Sciences and planted a tree to commemorate his visit

VC Ddumba-Ssentamu hands over the recognition plaque to HRH King Oyo Nyimba

5.5.3 Gender Mainstreaming: Mak Policy and Regulations Against Sexual Harassment

The Gender Mainstreaming Programme of Makerere University has the mandate to mainstream gender in the University functions of Teaching and Learning; Research and Innovations; Knowledge Transfer Partnerships and Networking, and Support Services. Since 2000, Institutionalization of gender as a cross cutting theme, has been a priority area in the University's Strategic Plans. Makerere University has made deliberate efforts to integrate gender into both her core and support functions while providing an environment that ensures growth and consolidation. For the year under review, the Directorate of Gender Mainstreaming moved towards implementation and sensitisation about the University anti-Sexual Harassment Act (2006).

The workshop on the Mak Policy and Regulations against Sexual Harassment, (2006) attracted Mak College Principals, Deputy Principals, Deans, Deputy Deans, Directors, Deputy Directors, College Registrars, College Communication Officers, and Representatives of Mak Academic, Administrative and Support Staff Associations. One of the objectives of the workshop was the need to re-align the Mak Policy and Regulations against Sexual Harassment to the collegiate system. A few of the expectations emphasized the need to formulate strategies to publicize the policy widely in order to create awareness among all categories of staff and students, as well as explore the requirements for gazetting the Mak Policy and Regulations against Sexual Harassment (2006) and the Mak Gender Equality Policy (2009).

5.6 Student Report

The University philosophy is to provide a holistic experience to the students that come through the gates of Makerere University. Student life at University expands beyond the academic environment to governance, leadership, sports and other life experiences. Student leadership and governance as well as community based initiatives and awards were part of the students milestones for the year 2015 as highlighted below.



2015 Guild president David Bala (L) with his Second in command Nyamutoro Phiona

Students Governance

81st Guild Champions First Ever Mak Varsity Awards: The Students body unveiled the first ever 'Mak Varsity Awards' in which the institution annually recognizes public personalities, organizations, staff and students with exceptional achievements. The awards will recognize the persons behind the institution's success as well as increasing the university's visibility to its stakeholders and the public. The 2015 theme was "Motivate to Inspire"

Annual Cultural Gala 2014/2015: The Students Guild in conjunction with the Dean of Students Office held the annual Students' Cultural Gala where students from different tribes show cased their cultural activities like traditional wear, dances, foods, poetry, among others. This year's cultural Gala took place on 5th-6th November 2015 with more than 25 groups that participated.

Project of the Year Award: A group of Mak College of Health Biomedical Engineering Students outstandingly won the 2015 Project of the year award. Hopitrack, a solution to help securely, safely and effectively track patients, medical personnel and medical equipment, beat off competition from other innovations; to scoop the award. Julius Mugaga, the group leader said that the solution will help in mitigating the problems that arise from patients not knowing where certain facilities or medical personnel are situated and guard them against masquerading guides that ask for money in exchange for directions.





The Principal College of Health Sciences Professor Charles Ibingira receives the award from the students. On his right is the Deputy Principal, Dr. Isaac Okullo



CHS Students in Drive to Support Heart Surgeries for Children: Mak Medical students' Association under one of their projects; Heartstrings in conjunction with the Rotaract club of Mulago, held their first mini-marathon to raise funds for heart surgeries for three under-privileged children at the Uganda Heart Institute. The Principal MakCHS, Associate Professor Charles Ibingira was the Chief Runner. All proceeds from the mini-marathon (One Million and Four Hundred Thousand shillings) went towards costs for three closed paediatric heart surgeries

5.6.1 Student support systems New Equipment at Mak hospital:

The Mak Hospital received a donation in form of medical equipment from the Mak Joint AIDS program (MJAP). The equipment included a microscope and a Pima CD4 machine; a simple effective point of care to measure CD4 count. This machine will make it possible for patients to receive their CD4 results in less than 20 minutes. These machines supplement AIDS support services at the University Hospital.

Counselling and Guidance Centre (CGC):

Mak is dedicated to collaborating and giving back to the community and the country in general. The CGC in an effort to create awareness of counselling services opened to all persons. Referrals have continued to grow over 900 to date, an indicator that the Centre is doing something right. The Centre has held a couple of group counselling sessions, these are offered to people facing similar challenges and hence through group counselling, it is hoped that they support each other to go through challenges. The Centre continues to collaborate with a number of organizations and universities such as Florida State University, Human Resources Association of Uganda, Association of University and College Counselling Centre Directors. The Centre received a grant worth \$5000 to provide career services to newly admitted students for academic year 2015/16.

6 FINANCIAL MANAGEMENT AND RESOURCE MOBILISATION

The Makerere University Endowment Fund (MAKEF)

	Fund As at 31 Mar 2016		Fund As at 31 Dec 2015		Composite Benchmark
	US\$	%	US\$	%	%
Cash					
Cash at call or deposit	301,788.60	29.77	96,157.03	9.91	
FRN(Sov/Corp)			130,080.85	13.41	
Total Cash	301,788.60	29.77	226,237.88	23.32	
Bonds					
Government			694,231.43	71.55	
Corporate			49,820.13	5.13	
Total Bonds			744,051.56	76.68	
Equities					
Large Cap	608,128.02	59.99	-	-	
Medium Cap	103,727.25	10.23			
Small Cap					
Infrastructure			-	-	
Total Equities	711,855.27	70.23	-	-	100.00
Total	1,013,643.87	100.00	970,289.44	100.00	100.00

The MakeEF instituted in 2014 to help in the diversification of the University financial resource base. MakeEF's main objective is to receive, mobilize and grow resources for the benefit of the University current and future generations. The Fund established the Management structures for the local fund. GenAfrica formerly Genesis Kenya

Limited was procured as the local Fund Manager and Standard Chartered Bank confirmed as the Custodian of the Fund. In recognition of the the need for maximum return on investment, the Board of Trustees have diversified the offshore investments under Crown Agents Management Limited to include equities.



The 3D Artistic impression of the Students Centre designed by Architecture Students from the College of Engineering Design Art and Technology.

In addition to the offshore investments made by Crown Agents Management Limited. MakeEF prioritised the Students Centre as the flagship project. The Students' Centre will serve as the collective place that reflects the dynamism of the 21st century student in the digital age. It will correct the imbalance in access to socio-cultural amenities that was created by the increase in student numbers. As part of resource mobilisation, the Fund approached different entities including the Parliament of Uganda, dfcu Bank, Centenary Bank and the Architects Association of Uganda.

6.2 The Makerere University Holding Company (MakHoldings)

The Makerere University Holding Limited (Mak Holdings) was instituted as the entrepreneurial arm of the University to develop, manage and oversee her commercial entities; this was the second year of operation for the Company. Mak Holdings focus for the year was the need to establish an operational benchmark. A diagnostic study was undertaken to:

- 1) Evaluate the financial health of the existing commercial entities and their future prospects; and
- 2) Determine potential commercial investments that can be established to will enhance resource mobilization.

To release value from both under and undeveloped existing University assets as well as expand them, Mak Holdings retained the services of a Transaction Advisor as required by the newly enacted PPP act. ENS Africa was procured to undertake transaction advisory services for the flagship real estate investment projects including:

- (i) University Hotel and Convention Centre;
- (ii) Mixed- Use Development in Kololo with a 5 Star Hotel;
- (iii) Mixed- Use Development in Makindye with a upscale apartments and a 5 Star Hotel; and
- (iv) New Student Hostels

6.3 Financial Performance

PARTICULARS	BUDGETED			ACTUAL		
	2012/2013 SHS(M)	2013/2014 SHS(M)	2014/2015 SHS(M)	2012/2013 SHS(M)	2013/2014 SHS(M)	2014/2015 SHS(M)
Operating revenue						
Grants from foreign governments	6,163	7,176	10,984	8,008	8,654	10,984
Transfers received from the Treasury	79,780	81,477	86,420	75,177	81,505	89,180
Non-Tax Revenues	89,640	113,226	128,154	93,040	96,888	92,305
Other Revenue	8,903	9,365	5,200	6,098	6,189	6,833
Total operating revenue	184,486	211,244	230,758	182,323	193,236	199,302
Operating expenses						
Employee costs	101,277	135,990	142,259	103,146	13,1821	122,548
Goods and services consumed	35,456	34,239	34,609	42,032	28,513	25,313
Consumption of property, plant & equipment	30,282	24,816	5,437	17,066	12,456	1,681
Transfers to other Organizations	2,032	1,633	1,626	1,634	1,636	1,626
Social benefits	0	5	2	0	0	5
Other expenses	15,439	14,561	46,825	18,293	17,114	44,132
Foreign exchange losses (gains)	0	0	0	3	-54	3
Total operating expenses	184,486	211,244	230,758	182,174	191,486	195,308
Net surplus/ (deficit) after extraordinary items				149	1,750	3,994

7 PUBLICATIONS

These are used as a core research performance indicator. For the year under review, the Colleges have performed exceptionally as shown below.

College of Health Sciences

1. Abassi M, Boulware DR, Rhein J. Cryptococcal Meningitis: Diagnosis and Management Update. *Curr Trop Med Rep*. 2015 Jun 1;2(2):90-99. PubMed PMID: 26279970; PubMed Central PMCID: PMC4535722.
2. Abdullah Ali Halage, Charles Ssemugabo, David Ssemwanga Katwere, David Musoke, Richard Mugambe Kibirango, David Guwatudde and John Ssempebwa (2015). Bacteriological and physical quality of locally packaged drinking water in Kampala city, Uganda. *Journal of Environmental and Public Health*, Volume 2015 Article ID 942928, <http://dx.doi.org/10.1155/2015/942928>
3. Acuña-Villaorduña C, Ayakaka I, Dryden-Peterson S, Nakubulwa S, Worodria W, Reilly N, Hosford J, Fennelly KP, Okwera A, Jones-López EC. High Mortality Associated with Retreatment of Tuberculosis in a Clinic in Kampala, Uganda: A Retrospective Study. *Am J Trop Med Hyg*. 2015 May 4. pii: 14-0810. [Epub ahead of print] PubMed PMID: 25940196. (PDF have restricted access)
4. Adnan A. Hyder, Joseph Ali, Kristina Hallez, Tara White, Nelson K. Sewankambo, Nancy E. Kass. Exploring Institutional Research Ethics Systems: A Case Study from Uganda. *AJOB Empirical Bioethics*, 0(0): 1–14, 2015 DOI: 10.1080/23294515.2014.981316
5. Afizi Kibuuka, Pauline Byakika-Kibwika, Jane Achan, Adoke Yeka, Joan N. Nalyazi, Arthur Mpimbaza, Philip J. Rosenthal, and Moses R. Kamya. Bacteremia among Febrile Ugandan Children Treated with Antimalarials Despite a Negative Malaria Test. *Am. J. Trop. Med. Hyg.*, 93(2), 2015, pp. 276–280
6. Agnes Bukirwa, Joan N. Mutyoba, Barbara N. Mukasa, Yvonne Karamagi¹, Mary Odiit, Esther Kawuma and Rhoda K. Wanyenze. Motivations and barriers to cervical cancer screening among HIV infected women in HIV care: a qualitative study. *BMC Women's Health*;15:82. October 2015.
7. Akena D, Kadama P, Ashaba S, Akello C, Kwesiga B, Rejani L, Okello J, Emmanuel.K. Mwesiga EK, Obuku E. The association between depression, quality of life, and the health care expenditure of patients with diabetes mellitus in Uganda. *Journal of Affective Disorders* 174 (2015) 7–12
8. Alfonso, Y. N., Bishai, D., Bua, J., Mutebi, A., Mayora, C., & Ekirapa-Kiracho, E. (2015). Cost-effectiveness analysis of a voucher scheme combined with obstetrical quality improvements: quasi experimental results from Uganda. *Health policy and planning*, 30(1), 88-99.
9. Andrew Kampikaho Turiho, Wilson Winston Muhwezi, Elialilia Sarikiaeli Okello, Nazarius Mbona Tumwesigye, Cecil Banura, Anne Ruhweza Katahoire (2015). Human Papillomavirus (HPV) Vaccination and Adolescent Girls' Knowledge and Sexuality in Western Uganda: A Comparative Cross-Sectional Study. *PLOS ONE*. Online
10. Arenas-Pinto A, Thompson J, Musoro G, Musana H, Lugenwa A, Kambugu A, Mweemba A, Atwongyeire D, Thomason MJ, Walker AS, Paton NI; EARNEST Trial Team. Peripheral neuropathy in HIV patients in sub-Saharan Africa failing first-line therapy and the response to second-line ART in the EARNEST trial. *J Neurovirol*. 2015 Aug 25. [Epub ahead of print] PubMed PMID: 26323809.
11. Arthur Kwizera, Jane Nakibuuka, Lameck Ssemogerere, Charles Sendikadiwa, Daniel Obua, Samuel Kizito, Janat Tumukunde, Agnes Wabule, and Noeline Nakasujja. Incidence and Risk

12. Atuyambe LM, Kibira SP, Bukenya J, Muhumuza C, Apolot RR, Mulogo E. Understanding sexual and reproductive health needs of adolescents: evidence from a formative evaluation in Wakiso district, Uganda. *Reproductive Health*. 2015; 12:35. DOI 10.1186/s12978-015-0026-7
13. Austvoll-Dahlgren A, Oxman AD, Chalmers I, Nsangi A, Glenton C, Lewin S, Morelli A, Rosenbaum S, Semakula D, Sewankambo N. Key Concepts that People Need to Understand to Assess Claims about Treatment Effects. *J Evid Based Med*. 2015 Jun 11. doi: 10.1111/jebm.12160.
14. Ayiasi RM, Muhumuza C, Bukenya J, Orach CG. The effect of prenatal counselling on postpartum family planning use among early postpartum women in Masindi and Kiryandongo districts, Uganda. *Pan Afr Med J*. 2015 Jun 22; 21:138. doi: 10.11604/pamj.2015.21.138.7026.
15. Bagasha P, Nakwagala F, Kwizera A, Ssekasanvu E, Kalyesubula R. Acute kidney injury among adult patients with sepsis in a low-income country: clinical patterns and short-term outcomes. *BMC Nephrol*. 2015 Jan 16; 16:4. Doi: 10.1186/1471-2369-16-4. PubMed PMID: 25592556; PubMed Central PMCID: PMC4361197.
16. Baker, U., et al., Bottlenecks in the implementation of essential screening tests in antenatal care: Syphilis, HIV, and anemia testing in rural Tanzania and Uganda. *Int J Gynaecol Obstet*, 2015. 130 Suppl 1: p. S43-50.
17. Bangirana P, Opoka RO, Boivin MJ, Idro R, Hodges JS, John CC. (2015). Neurocognitive domains affected by cerebral malaria and severe malarial anemia in children. *Learning and Individual Differences*, (in press).
18. Bangirana P, Sikorskii A, Giordani B, Nakasujja N, Boivin MJ. (2015). Validation of the CogState battery for rapid neurocognitive assessment in Ugandan school age children. *Child and Adolescent Psychiatry and Mental Health*, Aug 14; 9:38. doi: 10.1186/s13034-015-0063-6
19. Baraka V, Tinto H, Valea I, Fitzhenry R, Delgado-Ratto C, Mbonye MK, Van Overmeir C, Rosanas-Urgell A, Van Geertruyden JP, D'Alessandro U, Erhart A. In vivo selection of *Plasmodium falciparum* Pfcrt and Pfmdr1 variants by artemether-lumefantrine and dihydroartemisinin-piperaquine in Burkina Faso. *Antimicrob Agents Chemother*. 2015 Jan; 59(1):734-7. doi: 10.1128/AAC.03647-14. Epub 2014 Nov 17. PubMed PMID: 25403659; PubMed Central PMCID: PMC4291431. (PDF have restricted access)
20. Bartelink IH, Savic RM, Dorsey G, Ruel T, Gingrich D, Scherpbier HJ, Capparelli E, Jullien V, Young SL, Achan J, Plenty A, Charlebois E, Kanya M, Havlir D, Aweeka F. The effect of malnutrition on the pharmacokinetics and virologic outcomes of lopinavir, efavirenz and nevirapine in food insecure HIV-infected children in Tororo, Uganda. *Pediatr Infect Dis J*. 2015 Mar; 34(3):e63-70. doi: 10.1097/INF.0000000000000603. PubMed PMID: 25742090; PubMed Central PMCID: PMC4351793.
21. Batte A, Katahoire AR, Chimoyi A, Ajambo S, Tibingana B, Banura C. Disclosure of HIV test results by women to their partners following antenatal HIV testing: a population-based cross-sectional survey among slum dwellers in Kampala Uganda. *BMC Public Health*. 2015 Jan 31; 15:63. doi: 10.1186/s12889-015-1420-3.
22. Bazos DA, LaFave LR, Suresh G, Shannon KC, Nuwaha F, Splaine ME. The gas cylinder, the motorcycle and the village health team member: a proof-of-concept study for the use of the Microsystems Quality Improvement Approach to strengthen the routine immunization system in Uganda. *Implement Sci*. 2015 Mar 8; 10:30. doi: 10.1186/s13012-015-0215-3.

23. Bergstrom, A., et al., Health system context and implementation of evidence-based practices- development and validation of the Context Assessment for Community Health (COACH) tool for low- and middle-income settings. *Implement Sci*, 2015. 10: p. 120.
24. Billioux A, Nakigozi G, Newell K, Chang LW, Quinn TC, Gray RH, Ndyababo A, Galiwango R, Kiggundu V, Serwadda D, Reynolds SJ. Durable Suppression of HIV-1 after Virologic Monitoring-Based Antiretroviral Adherence Counseling in Rakai, Uganda. *PLoS One*. 2015 May 26;10(5):e0127235. doi: 10.1371/journal.pone.0127235. eCollection 2015. PMID: PMC4444255
25. Biraro IA, Egesa M, Kimuda S, Smith SG, Toulza F, Levin J, Joloba M, Katamba A, Cose S, Dockrell HM, Elliott AM. Effect of isoniazid preventive therapy on immune responses to mycobacterium tuberculosis: an open label randomised, controlled, exploratory study. *BMC Infect Dis*. 2015 Oct 22;15:438
26. Birungi N, Fadnes LT, Okullo I, Kasangaki A, Nankabirwa V, Ndeezi G, Tumwine JK, Tylleskär T, Lie SA, Åstrøm AN. Effect of Breastfeeding Promotion on Early Childhood Caries and Breastfeeding Duration among 5 Year Old Children in Eastern Uganda: A Cluster Randomized Trial. *PLoS One*. 2015 May 4;10(5):e0125352. doi: 10.1371/journal.pone.0125352. eCollection 2015.
27. Boyle MJ, Jagannathan P, Bowen K, McIntyre TI, Vance HM, Farrington LA, Greenhouse B, Nankya F, Rek J, Katureebe A, Arinaitwe E, Dorsey G, Kanya MR, Feeney ME. Effector Phenotype of Plasmodium falciparum-Specific CD4+ T Cells Is Influenced by Both Age and Transmission Intensity in Naturally Exposed Populations. *J Infect Dis*. 2015 Aug 1;212(3):416-25. doi: 10.1093/infdis/jiv054. Epub 2015 Feb 2. PubMed PMID: 25646355; PubMed Central PMCID: PMC4539911.
28. Boyle MJ, Jagannathan P, Farrington LA, Eccles-James I, Wamala S, McIntyre TI, Vance HM, Bowen K, Nankya F, Auma A, Nalubega M, Sikyomu E, Naluwo K, Rek J, Katureebe A, Bigira V, Kapisi J, Tappero J, Muhindo MK, Greenhouse B, Arinaitwe E, Dorsey G, Kanya MR, Feeney ME. Decline of FoxP3+ Regulatory CD4 T Cells in Peripheral Blood of Children Heavily Exposed to Malaria. *PLoS Pathog*. 2015 Jul 16;11(7):e1005041. doi: 10.1371/journal.ppat.1005041. eCollection 2015 Jul. PubMed PMID: 26182204; PubMed Central PMCID: PMC4504515.
29. Braun, V., E. Rempis, A. Schnack, S. Decker, J. Rubaihayo, N.M. Tumwesigye, S. Theuring, G. Harms, P. Busingye, and F.P. Mockenhaupt, Lack of effect of intermittent preventive treatment for malaria in pregnancy and intense drug resistance in Western Uganda. *Malaria Journal*, 2015. 14(1): p. 372.
30. Bua J, Lwanga M, Mukanga D and Nabiwemba E: Risk factors and practices contributing to newborn sepsis in a rural district of Eastern Uganda, August 2013, a cross sectional study. *BMC Research Notes* 8(1):339 • August 2015
31. Bua, J., Paina, L., & Kiracho, E. E. (2015). Lessons learnt during the process of setup and implementation of the voucher scheme in Eastern Uganda: a mixed methods study. *Implementation Science*, 10(1), 108.
32. Bukirwa A, Mutyoba JN, N Mukasa B, Karamagi Y, Odiit M, Kawuma E, Wanyenze RK. Motivations and barriers to cervical cancer screening among HIV infected women in HIV care: a qualitative study. *BMC Womens Health*. 2015; 15(1):82.
33. Buregyeya E, Kulane A, Kiguli J, Musoke P, Mayanja H, Mitchell MH E. Motivations and concerns about adolescent tuberculosis vaccine trial participation in rural Uganda: A qualitative study. *Pan African Medical Journal*, October 2015

34. Burgoine, K., et al., Antenatal corticosteroids for preterm births in resource-limited settings. *Lancet*, 2015. 385(9981): p. 1944-5.
35. Burkey MD, Murray SM, Bangirana P, Familiar I, Opoka RO, Nakasujja N, Boivin M, Bass J. (2015). Executive function and attention-deficit/hyperactivity disorder in Ugandan children with perinatal HIV exposure. *Global Mental Health*, 2, null-null. doi: doi:10.1017/gmh.2015.2
36. Burnett SM, Mbonye MK, Naikoba S, Zawedde-Muyanja S, Kinoti SN, Ronald A, Rubashembusya T, Willis KS, Colebunders R, Manabe YC, Weaver MR. Effect of Educational Outreach Timing and Duration on Facility Performance for Infectious Disease Care in Uganda: A Trial with Pre-Post and Cluster Randomized Controlled Components. *PLoS One*. 2015 Sep 9;10(9):e0136966. doi: 10.1371/journal.pone.0136966. eCollection 2015. PubMed PMID: 26352257; PubMed Central PMCID: PMC4564214.
37. Butler EK, Tran T M, Fuller AT, Makumbi F, Luboga S, Kisakye S, Haglund MM, Chipman JG, Galukande M. Pilot study of a population-based survey to assess the prevalence of surgical conditions in Uganda. *Surgery*. September September 2015;158(3):764-72
38. Buwembo W, Munabi IG, Bajunirwe F, Kitara DL, Ruberwa J, Kawunggeezi P, Obua C, Mwaka ES. Factors Influencing Health Professional Students Use of Computers for Research Related Data Analysis at Three Ugandan Public Medical Schools: a Cross-Sectional Survey. *BMC Research Notes* 2015; 8:54
39. Bwakura-Dangarembizi M, Musiime V, Szubert AJ, Prendergast AJ, Gomo ZA, Thomason MJ, Musarurwa C, Mugenyi P, Nahirya P, Kekitiinwa A, Gibb DM, Walker AS, Nathoo K; ARROW Trial Team (Bakeera Kitaka S). Prevalence of lipodystrophy and metabolic abnormalities in HIV-infected African children after 3 years on first-line antiretroviral therapy. *Pediatr Infect Dis J*. 2015 Feb;34(2):e23-31. doi: 10.1097/INF.0000000000000491. PubMed PMID: 25068287; PCentral PMCID: PMC4369579.
40. Bwanga F, Disqué C, Lorenz MG, Allerheiligen V, Worodria W, Luyombya A, Najjingo I, Weizenegger M. Higher blood volumes improve the sensitivity of direct PCR diagnosis of blood stream tuberculosis among HIV-positive patients: an observation study. *BMC Infect Dis*. 2015 Feb 6;15(1):48. [Epub ahead of print] PubMed PMID: 25656799; PubMed Central PMCID: PMC4326319.
41. Bwire G, Malimbo M, Kagirita A, Makumbi I, Mintz E, Mengel MA, Orach CG. Nosocomial Cholera Outbreak in a Mental Hospital: Challenges and Lessons Learnt from Butabika National Referral Mental Hospital, Uganda. *Am J Trop Med Hyg*. 2015 Sep 2; 93(3):534-8. doi: 10.4269/ajtmh.14-0730.
42. Byakika-Kibwika P, Kutesa A, Baingana R, Muhumuza C, Kitutu FE, Mwesigwa C, Chalo RN, Sewankambo NK. A situation analysis of inter-professional education and practice for ethics and professionalism training at Makerere University College of Health Sciences. *BMC Res Notes*. 2015 Oct 23; 8:598. doi: 10.1186/s13104-015-1577-y.
43. Byakwaga H, Hunt PW, Laker-Oketta M, Glidden DV, Huang Y, Bwana BM, Mocello AR, Bennett J, Walusansa V, Dollard SC, Bangsberg DR, Mbidde EK, Martin JN. The Kynurenine Pathway of Tryptophan Catabolism and AIDS-Associated Kaposi Sarcoma in Africa. *J Acquir Immune Defic Syndr*. 2015 Nov 1;70(3):296-303. doi: 10.1097/QAI.0000000000000747. PubMed PMID: 26181812; PubMed Central PMCID: PMC4607630.
44. Castelnovo B, Musaazi J, Musomba R, Ratanshi RP, Kiragga AN. Quantifying retention during pre-antiretroviral treatment in a large urban clinic in Uganda. *BMC Infect Dis*. 2015 Jul 1;15:252. doi: 10.1186/s12879-015-0957-1. PubMed PMID: 26126616; PubMed Central PMCID: PMC4488112.

45. Chamie G, Wandera B, Marquez C, Kato-Maeda M, Kanya MR, Havlir DV, Charlebois ED. Identifying locations of recent TB transmission in rural Uganda: a multidisciplinary approach. *Trop Med Int Health*. 2015 Apr;20(4):537-45. doi: 10.1111/tmi.12459. Epub 2015 Feb 4. PubMed PMID: 25583212; PubMed Central PMCID: PMC4355181.
46. Chang LW, Nakigozi G, Billioux VG, Gray RH, Serwadda D, Quinn TC, Wawer MJ, Bollinger RC, Reynolds SJ. Effectiveness of Peer Support on Care Engagement and Preventive Care Intervention Utilization Among Pre-antiretroviral Therapy, HIV-Infected Adults in Rakai, Uganda: A Randomized Trial. *AIDS Behav*. 2015 Oct;19(10):1742-51. doi: 10.1007/s10461-015-1159-y. PMID: 26271815
47. Charles O Odongo, Kuteesa R Bisaso, Freddy Kitutu, Celestino Obua and Josaphat Byamugisha. Is there a distinction between malaria treatment and intermittent preventive treatment? Insights from a cross-sectional study of anti-malarial drug use among Ugandan pregnant women. *Malaria Journal* (2015) Vol. 14; 189.
48. Chola L, Nkoki L, Fadnes LT, Engebretsen IM, Nankabirwa V, Tumwine JK, Tylleskar T, Sommerfelt H, Robberstad B, Consortium PER: Cost-effectiveness of peer counselling for the promotion of exclusive breastfeeding in Uganda. *PloS one* 2015, In print
49. Cohan D, Natureeba P, Koss CA, Plenty A, Luwedde F, Mwesigwa J, Ades V, Charlebois ED, Gandhi M, Clark TD, Nzarubara B, Achan J, Ruel T, Kanya MR, Havlir DV. Efficacy and safety of lopinavir/ritonavir versus efavirenz-based antiretroviral therapy in HIV-infected pregnant Ugandan women. *AIDS*. 2015 Jan 14;29(2):183-91. doi: 10.1097/QAD.0000000000000531. PubMed PMID: 25426808; PubMed Central PMCID: PMC4428759.
50. Cose S, Bagaya B, Nerima B, Joloba M, Kambugu A, Tweyongyere R, Dunne DW, Mbidde E, Kaleebu P, Elliott AM. Immunology in Africa. *Trop Med Int Health*. 2015 Sep 22. doi: 10.1111/tmi.12599. [Epub ahead of print] PubMed PMID: 26391634.
51. Cox JA, Lukande RL, Kalungi S, Van Marck E, Lammens M, Van de Vijver K, Kambugu A, Nelson AM, Colebunders R, Manabe YC. Accuracy of lipoarabinomannan and Xpert MTB/RIF testing in cerebrospinal fluid to diagnose TB meningitis in an autopsy cohort of HIV-infected adults. *J Clin Microbiol*. 2015 Jun 10. pii: JCM.00624-15. [Epub ahead of print] PubMed PMID: 26063865.
52. Cox JA, Lukande RL, Kalungi S, Van Marck E, Van de Vijver K, Kambugu A, Nelson AM, Colebunders R, Manabe YC. Is Urinary Lipoarabinomannan the Result of Renal Tuberculosis? Assessment of the Renal Histology in an Autopsy Cohort of Ugandan HIV-Infected Adults. *PLoS One*. 2015 Apr 21;10(4):e0123323. doi: 10.1371/journal.pone.0123323. eCollection 2015. PubMed PMID: 25897661.
53. Dalal S, Holmes MD, Laurence C, Bajunirwe F, Guwatudde D, Njelekela M, Adebamowo C, Nankya-Mutyoba J, Chiwanga FS, Volmink J, Ajayi I, Kalyesubula R, Reid TG, Dockery D, Hemenway D, Adami HO. Feasibility of a large cohort study in sub-Saharan Africa assessed through a four-country study. *Global Health Action*, 25; 8: 27422. May 2015
54. Damalie Nakanjako, Elizabeth Namagala, Aggrey Semeere, Joanitor Kigozi, Joseph Sempa, John Bosco Ddamulira, Achilles Katamba, Sam Biraro, Sarah Naikoba, Yohana Mashalla, Carey Farquhar, Nelson Sewankambo and Afya Bora Consortium members. Global health leadership training in resource-limited settings: a collaborative approach by academic institutions and local health care programs in Uganda. *Human Resources for Health* 2015, 13:87 doi:10.1186/s12960-015-0087-2

55. David Lagoro Kitara, Paul Okot Bwangamoi, Henry Wabinga, Michael Odida. High prevalence of malnutrition among above thirteen with primary pyomyositis in Northern Uganda. *British Journal of Medicine and Medical Research*, 2015; 6(8):814-822.
56. Deogratius MA, David KL, Christopher OG. The enigmatic nodding syndrome outbreak in northern Uganda: an analysis of the disease burden and national response strategies. *Health Policy Plan*. 2015 Jun 27.
57. Derek J. Erstad, Gerald Tumusiime, and James C. Cusack Jr., Prognostic and Predictive Biomarkers in Colorectal Cancer: Implications for the Clinical Surgeon. *Ann Surg Oncol* (2015) 22:3433–3450 DOI 10.1245/s10434-015-4706-x
58. Dharan NJ, Amisano D, Mboowa G, Ssengooba W, Blakemore R, Kubiak RW, Armstrong DT, Jones M, Manabe YC, Joloba ML, Ellner JJ, Dorman SE, Alland D. Improving the Sensitivity of the Xpert MTB/RIF Assay on Sputum Pellets by Decreasing the Amount of Added Sample Reagent: a Laboratory and Clinical Evaluation. *J Clin Microbiol*. 2015 Apr;53(4):1258-63. doi: 10.1128/JCM.03619-14. Epub 2015 Feb 4. PubMed PMID: 25653410. (Inaccessible PDF)
59. DiLiberto DD, Staedke SG, Nankya F, Maiteki-Sebuguzi C, Taaka L, Nayiga S, Kamya MR, Haaland A, Chandler CI. Behind the scenes of the PRIME intervention: designing a complex intervention to improve malaria care at public health centres in Uganda. *Glob Health Action*. 2015 Oct 23;8:29067. doi: 10.3402/gha.v8.29067. eCollection 2015. PubMed PMID: 26498744; PubMed Central PMCID: PMC4620687.
60. E. Okello et al. Gaps and gains from engaging districts stakeholders for Community Based Health Professions Education in Uganda: a qualitative study Accepted for publication in *Perspectives on Medical Education*
61. Eddie Sefululya Mukooyo, Andrew Lutwama, Ian Guyton Munabi, Nelson Sewankambo, Ruth Jane Aceng. A mixed methods approach to prioritizing components of Uganda's eHealth environment. *Pan African Medical Journal* 22, 198, 28/10/2015
62. Elizeus Rutebemberwa, Betty Mpeka, George Pariyo, Stefan Peterson, Edison Mworozzi, Freddie Bwanga & Karin Källander (2015); High prevalence of antibiotic resistance in nasopharyngeal bacterial isolates from healthy children in rural Uganda: A cross-sectional study. *Upsala Journal of Medical Sciences*
63. Elliott A, Nerima B, Bagaya B, Kambugu A, Joloba M, Cose S, Pantaleo G, Yazdanbakhsh M, Mabey D, Dunne D, Moffett A, Rwakishaya EK, Kaleebu P, Mbidde EK. Capacity for science in sub-Saharan Africa. *Lancet*. 2015 Jun 20;385(9986):2435-7. doi: 10.1016/S0140-6736(15)61111-4. PubMed PMID: 26122054.
64. Elobu AE, Kintu A, Galukande M, Kaggwa M, Mijjumbi C, Tindimwebwa J, Roche A, Dubowitz G, Ozgediz D, Lipnick M. Research in Surgery and Anesthesia: Challenges for Post-graduate Trainees in Uganda. *Education for Health* July 2015; 28(1): 11-15
65. Ezeamama AE, Guwatudde D, Wang M, Bagenda D, Kyeyune R, Sudfeld C, Manabe YC, Fawzi WW. Vitamin-D deficiency impairs CD4+T-cell count recovery rate in HIV-positive adults on highly active antiretroviral therapy: A longitudinal study. *Clin Nutr*. 2015 Sep 5. pii: S0261-5614(15)00228-9. doi: 10.1016/j.clnu.2015.08.007. [Epub ahead of print] PubMed PMID: 26371397. (Inaccessible PDF).
66. F. C. Semitala, L. H. Chaisson, S. den Boon, N. Walter, A. Cattamanchi, M. Awor, J. Katende, L. Huang, J. M. Joloba, H. Albert, M. R. Kamya, J. L. Davis. Impact of mycobacterial culture among HIV-infected adults with presumed TB in Uganda: a prospective cohort study. *PHA* 2015; 5(2): 106–111

67. Familiar, I, Nakasujja N, Bass JK, Sikorskii A, Murray S, Ruisenor-Escudero H, Bangirana P, Opoka RO, Boivin MJ. (2015). Caregivers' depressive symptoms and parent-report of child executive function among young children in Uganda. *Learning and Individual Differences*, (in press).
68. Familiar, I, Ruisenor-Escudero H, Giordani B, Bangirana P, Nakasujja N, Opoka RO, Boivin MJ. (2015). Use of BRIEF and CBCL in Ugandan children with HIV or history of severe malaria. *Journal of Developmental & Behavioral Pediatrics*, 36(4), 277-284.
69. Ford D, Robins JM, Petersen ML, Gibb DM, Gilks CF, Mugenyi P, Grosskurth H, Hakim J, Katabira E, Babiker AG, Walker AS; DART Trial Team. The Impact of Different CD4 Cell-Count Monitoring and Switching Strategies on Mortality in HIV-Infected African Adults on Antiretroviral Therapy: An Application of Dynamic Marginal Structural Models. *Am J Epidemiol*. 2015 Oct 1;182(7):633-43. doi: 10.1093/aje/kwv083. Epub 2015 Aug 26. PubMed PMID: 26316598; PubMed Central PMCID: PMC4581589.
70. Francis Ocheng, Freddie Bwanga, Moses Joloba, Abier Sofrata, Muhammad Azeem, Katrin Pütsep, Anna-Karin Borg-Karlson, Celestino Obua, and Anders Gustafsson; Essential Oils from Ugandan Aromatic Medicinal Plants: Chemical Composition and Growth Inhibitory Effects on Oral Pathogens. Hindawi Publishing Corporation Evidence-Based Complementary and Alternative Medicine Volume 2015, Article ID 230832, 10 pa
71. Freddie Bwanga, Claudia Disque, Michael G Lorenz, Vera Allerheiligen, William Worodria, Allan Luyombya, Irene Najjingo and Michael Weizenegger; Higher blood volumes improve the sensitivity of direct PCR diagnosis of blood stream tuberculosis among HIV-positive patients: an observation study. *BMC Infectious Diseases* (2015) 15:48 DOI 10.1186/s12879-015-0785-3
72. Fuller AT, Butler EK, Tran TM, Makumbi F, Luboga S, Muhumza C, Chipman JG, Groen RS, Gupta S, Kushner AL, Galukande M, Haglund MM. Surgeons Overseas Assessment of Surgical Need (SOSAS) Methodology Update: Technology, Management, and Adaptations for Usage in Larger Low- and Middle-income Countries. *World Journal of Surgery* September 2015 doi 10.1007/s00268-015-3191-5
73. Galukande M, Kahendehe C, Buuza E, Bbale Sekavuga D. A rare but important adverse event associated with circumcision: prolonged bleeding. *International Journal of Emergency Medicine* 2015; 8:8 DOI 10.1186/s12245-015-0056-5
74. Galukande M, Kamara J, Ndabwire V, Leistey E, Valla C, Luboga S. Eradicating Female Genital Mutilation and Cutting in Tanzania: an observational study. *BMC Public Health* 2015; 15:1147 DOI 10.1186/s12889-015-2439-1
75. Galukande M, Katamba A, Kiguli S, Kiguli-Malwadde E, Kijjambu SC, Sewankambo NK. Problem based learning as a strategy for teaching and learning at a sub Saharan university (Makerere) - a review five years after implementation: a cross sectional descriptive study. *Africa Health Sciences*. March 2015; 15(1): 261-268
76. Galukande M, Katamba A, Nakasujja N, Baingana R, Bateganya M, Hagopian A, Tavrow P, Barnhart S, Luboga S. Developing Hospital Accreditation Standards in Uganda. *Int J Health Plann Mgmt* September 2015 DOI: 10.1002/hpm.2317
77. Galukande M, Mirembe F, Wabinga H. Breast Cancer survival experiences at a tertiary hospital in sub Saharan Africa . *World Journal of Surgical Oncology* July 2015 DOI 10.1186/s12957-015-0632-4

78. Geng EH, Neilands TB, Thiébaut R, Bwana MB, Nash D, Moore RD, Wood R, Zannou DM, Althoff KN, Lim PL, Nachega JB, Easterbrook PJ, Kambugu A, Little F, Nakigozi G, Nakanjako D, Kiggundu V, Ki Li PC, Bangsberg DR, Fox MP, Prozesky H, Hunt PW, Davies MA, Reynolds SJ, Egger M, Yiannoutsos CT, Vittinghoff EV, Deeks SG, Martin JN. CD4 T cell recovery during suppression of HIV replication: an international comparison of the immunological efficacy of antiretroviral therapy in North America, Asia and Africa. *Int J Epidemiol*. 2015 Feb;44(1):251-63. PMID: 25859596
79. Geng EH, Odeny TA, Lyamuya RE, Nakiwogga-Muwanga A, Diero L, Bwana M, Muyindike W, Braitstein P, Somi GR, Kambugu A, Bukusi EA, Wenger M, Wools-Kaloustian KK, Glidden DV, Yiannoutsos CT, Martin J. Estimation of Mortality among HIV-infected people on antiretroviral therapy treatment in east Africa: a sampling based approach in an observational, multisite, cohort study. *Lancet HIV*. 2015 Mar 1;2(3):e107-e116. PubMed PMID: 26120593; PubMed Central PMCID: PMC4480204.
80. Gertrude Nakigozi, Fredrick E. Makumbi, John B. Bwanika, Lynn Atuyambe, Steven J. Reynolds, Godfrey Kigozi, Fred Nalugoda, Larry W. Chang, Valerian Kiggundu, David Serwadda, Maria J. Wawer, Ronald H. Gray, and Moses R. Kamya. Impact of Patient-Selected Care Buddies on Adherence to HIV Care, Disease Progression, and Conduct of Daily Life Among Pre-antiretroviral HIV-Infected Patients in Rakai, Uganda: A Randomized Controlled Trial. *J Acquir Immune Defic Syndr* 2015;70:75–82
81. Gianella S, Redd AD, Grabowski MK, Tobian AA, Serwadda D, Newell K, Patel EU, Kalibbala S, Ssebbowa P, Gray RH, Quinn TC, Reynolds SJ. Vaginal Cytomegalovirus Shedding Before and After Initiation of Antiretroviral Therapy in Rakai, Uganda. *J Infect Dis*. 2015 Mar 5. pii: jiv135. [Epub ahead of print]. PMID: 25743428
82. Giordani, B., Novak, B., Sikorskii, A., Bangirana, P., Nakasujja, N., Winn, B. M., & Boivin, M. J. (2015). Designing and evaluating Brain Powered Games for cognitive training and rehabilitation in at-risk African children. *Global Mental Health*, 2, null-null. doi: doi:10.1017/gmh.2015.5
83. Goggin K, Finocchiaro-Kessler S, Staggs V, Woldetsadik MA, Wanyenze RK, Beyeza-Kashesya J, Mindry D, Khanakwa S, Wagner GJ. Attitudes, Knowledge, and Correlates of Self-Efficacy for the Provision of Safer Conception Counseling Among Ugandan HIV Providers. *AIDS Patient Care STDS*. 2015 Nov 20. [Epub ahead of print]
84. Goovaerts O, Jennes W, Massinga-Loembé M, Ondoa P, Ceulemans A, Vereecken C, Worodria W, Mayanja-Kizza H, Colebunders R, Kestens L; TB-IRIS Study Group. Lower Pre-Treatment T Cell Activation in Early- and Late-Onset Tuberculosis-Associated Immune Reconstitution Inflammatory Syndrome. *PLoS One*. 2015 Jul 24;10(7):e0133924. doi: 10.1371/journal.pone.0133924. eCollection 2015. PubMed PMID: 26208109.
85. Grabowski MK, Gray RH, Makumbi F, Kagaayi J, Redd AD, Kigozi G, Reynolds SJ, Nalugoda F, Lutalo T, Wawer MJ, Serwadda D, Quinn TC, Tobian AA. Use of injectable hormonal contraception and women's risk of herpes simplex virus type 2 acquisition: a prospective study of couples in Rakai, Uganda. *Lancet Glob Health*. 2015 Aug;3(8):e478-86. doi: 10.1016/S2214-109X(15)00086-8. Epub 2015 Jun 17. PMID: 26094162
86. Grabowski MK, Kigozi G, Gray RH, Armour B, Manucci J, Serwadda D, Redd AD, Nalugoda F, Patel EU, Wawer MJ, Quinn TC, Tobian AA. Herpes Simplex Virus Type 2 Shedding From Male Circumcision Wounds in Rakai, Uganda. *J Infect Dis*. 2015 May 5. pii: jiv259. [Epub ahead of print] PMID: 25943201
87. Grove, J., et al., Maternal, newborn, and child health and the Sustainable Development Goals--a call for sustained and improved measurement. *Lancet*, 2015. 386(10003): p. 1511-4.

88. Guwatudde D, Wang M, Ezeamama AE, Bagenda D, Kyeyune R, Wamani H, Manabe YC, Fawzi WW. The effect of standard dose multivitamin supplementation on disease progression in HIV-infected adults initiating HAART: a randomized double blind placebo-controlled trial in Uganda. *BMC Infect Dis.* 2015 Aug 19;15:348. doi: 10.1186/s12879-015-1082-x. PubMed PMID: 26285704; PubMed Central PMCID: PMC4545778.
89. Haas AD, Keiser O, Balestre E, Brown S, Bissagnene E, Chimbetete C, Dabis F, Davies MA, Hoffmann CJ, Oyaro P, Parkes-Ratanshi R, Reynolds SJ, Sikazwe I, Wools-Kaloustian K, Zannou DM, Wandeler G, Egger M; leDEA southern Africa, east Africa, and west Africa. Monitoring and switching of first-line antiretroviral therapy in adult treatment cohorts in sub-Saharan Africa: collaborative analysis. *Lancet HIV.* 2015 Jul;2(7):e271-8. doi: 10.1016/S2352-3018(15)00087-9. Epub 2015 Jun 16. PubMed PMID: 26423252; PubMed Central PMCID: PMC4500741.
90. Haberlen SA, Nakigozi G, Gray RH, Brahmbhatt H, Ssekasanvu J, Serwadda D, Nalugoda F, Kagaayi J, Wawer MJ. Haberlen SA, Nakigozi G, Gray RH, Brahmbhatt H, Ssekasanvu J, Serwadda D, Nalugoda F, Kagaayi J, Wawer MJ. Antiretroviral Therapy Availability and HIV Disclosure to Spouse in Rakai, Uganda: A Longitudinal Population-Based Study. *J Acquir Immune Defic Syndr.* 2015 Jun 1;69(2):241-7. doi: 10.1097/QAI.0000000000000600. PMCID:PMC4445459
91. Habib AG, Lamorde M, Dalhat MM, Habib ZG, Kuznik A. Cost-effectiveness of Antivenoms for Snakebite Envenoming in Nigeria. *PLoS Negl Trop Dis.* 2015 Jan 8;9(1):e3381. doi: 10.1371/journal.pntd.0003381. eCollection 2015 Jan. PubMed PMID: 25569252.
92. Hanisch BR, Bangirana P, Opoka RO, Park GS, John CC. (2015). Thrombocytopenia May Mediate Disease Severity in Plasmodium Falciparum Malaria Through Reduced Transforming Growth Factor Beta-1 Regulation of Pro- and Anti-Inflammatory Cytokines. *Pediatric Infectious Disease Journal*, doi: 10.1097/INF.0000000000000729
93. Hanson, C., et al., Erratum to: Expanded Quality Management Using Information Power (EQUIP): protocol for a quasi-experimental study to improve maternal and newborn health in Tanzania and Uganda. *Implement Sci*, 2015. 10(1): p. 152.
94. Helb DA, Tetteh KK, Felgner PL, Skinner J, Hubbard A, Arinaitwe E, Mayanja-Kizza H, Ssewanyana I, Kanya MR, Beeson JG, Tappero J, Smith DL, Crompton PD, Rosenthal PJ, Dorsey G, Drakeley CJ, Greenhouse B. Novel serologic biomarkers provide accurate estimates of recent Plasmodium falciparum exposure for individuals and communities. *Proc Natl Acad Sci U S A.* 2015 Aug 11;112(32):E4438-47. doi: 10.1073/pnas.1501705112. Epub 2015 Jul 27. PubMed PMID: 26216993; PubMed Central PMCID: PMC4538641.
95. Herbert Muyinda, James Mugisha; Stock-outs, Uncertainty and improvisation in access to healthcare in war-torn Northern Uganda, *Social Science and Medicine*, 146(2015) 316-323.
96. Hilda Okori, Pricilla S. Apolot, Erisa Mwaka, Gerald Tumusiime, William Buwembo and Ian G. Munabi, A secondary analysis to determine variations of dental arch measurements with age and gender among Ugandans. *BMC Res Notes* (2015) 8:428 DOI 10.1186/s13104-015-1411-6
97. Holdsworth M, Kruger A, Nago E, Lachat C, Mamiro P, Smit K, Garimoi-Orach C, Kameli Y, Roberfroid D, Kolsteren P African stakeholders' views of research options to improve nutritional status in sub-Saharan Africa. *Health Policy Plan.* 2015 Sep; 30(7):863-74. doi: 10.1093/heapol/czu087.
98. Humphrey Wanzirah, Lucy S. Tusting, Emmanuel Arinaitwe, Agaba Katureebe, Kilama Maxwell, John Rek, Christian Bottomley, Sarah G. Staedke, Moses Kanya, Grant Dorsey, Steve W. Lindsay. Mind the Gap: House Structure and the Risk of Malaria in Uganda *PLoS ONE* 10(1): e0117396. doi:10.1371/journal.pone.0117396

99. Ian Guyton Munabi, Samuel Abilemech Luboga, Florence Mirembe. Using survival analysis to determine association between maternal pelvis height and antenatal fetal head descent in Ugandan mothers. *The Pan African Medical Journal*. 2015;22:175
100. Imani P, Jakech B, Kirunda I, Mbonye MK, Naikoba S, Weaver MR. Effect of integrated infectious disease training and on-site support on the management of childhood illnesses in Uganda: a cluster randomized trial. *BMC Pediatr*. 2015 Aug 28;15:103. doi: 10.1186/s12887-015-0410-z. PubMed PMID: 26315284; PubMed Central PMCID: PMC4551363.
101. INSIGHT Strategic Timing of AntiRetroviral Treatment (START) Study Group (Benard Kikaire), Lundgren J, Babiker A, Gordin F, Emery S, Fätkenheuer G, Molina JM, Wood R, Neaton JD. Why START? Reflections that led to the conduct of this large long-term strategic HIV trial. *HIV Med*. 2015 Apr;16 Suppl 1:1-9. doi: 10.1111/hiv.12227. PubMed PMID: 25711317; PubMed Central PMCID: PMC4347998.
102. Izabella Surowiec, Judy Orikiiriza, Elisabeth Karlsson, Maria Nelson, Mari Bonde, Patrick Kyamanwa, Ben Karenzi, Sven Bergström, Johan Trygg, and Johan Normark Metabolic signature profiling as a diagnostic and prognostic tool in paediatric *Plasmodium falciparum* malaria. *Open Forum Infect Dis* first published online May 4, 2015 doi:10.1093/ofid/ofv062
103. Jagannathan P, Nankya F, Stoyanov C, Eccles-James I, Sikyomu E, Naluwu K, Wamala S, Nalubega M, Briggs J, Bowen K, Bigira V, Kapisi J, Kamya MR, Dorsey G, Feeney ME. IFN Responses to Pre-erythrocytic and Blood-stage Malaria Antigens Exhibit Differential Associations With Past Exposure and Subsequent Protection. *J Infect Dis*. 2015 Jun 15;211(12):1987-96. doi: 10.1093/infdis/jiu814. Epub 2014 Dec 17. PubMed PMID: 25520427.
104. James Kapisi, Victor Bigira, Tamara Clark, Steven Kinara, Florence Mwangwa, Jane Achan, Moses Kamya, Seyi Soremekun and Grant Dorsey. Efficacy and safety of artemether-lumefantrine for the treatment of uncomplicated malaria in the setting of three different chemopreventive regimens. *Malar J*, 2015. 14(1): p. 53.
105. James Mugisha, Herbert Muyinda, Peter Wandiembe, Eugene Kinyanda (2015). Prevalence and factors associated with Post-traumatic Stress Disorder seven years after conflict in three districts in northern Uganda (The Wayo-Nero study), *BMC Psychiatry* 15:170 DOI 10.1186/s12888-015-0551-5
106. James Mugisha, Herbert Muyinda, Samuel Malamba, Eugene Kinyanda (2015). Major depressive disorders seven years after the conflict in Northern Uganda: burden, risk factors and impact on outcomes (The Wayo-Nero study) *BMC Psychiatry* 15:48 DOI 10.1186/s12888-015-0423-z.
107. Jane Nakibuuka, Martha Sajatovic, Joaniter Nankabirwa, Charles Ssendikadiwa, Anthony J. Furlan, Elly Katabira, James Kayima, Nelson Kalema, Jayne Byakika-Tusiime and Edward Ddumba. Early mortality and functional outcome after acute stroke in Uganda: prospective study with 30 day follow-up. *SpringerPlus* 2015, 4:450
108. Jimmy Osuret, Geoffrey Musinguzi, Trasias Mukama, Abdullah Ali Halage, Archileo Kaaya Natigo, John C. Ssempebwa and Jia-Sheng Wang (2015). Aflatoxin contamination of selected staple foods sold for human consumption in markets in Kampala, Uganda. *Journal of Biological Sciences*. DOI: 10.3923/jbs.2015.
109. John Bua, Ligia Paina and Elizabeth Ekirapa Kiracho; Lessons learnt during the process of setup and implementation of the voucher scheme in Eastern Uganda: a mixed methods study. *Implementation Science* (2015) 10:108 DOI 10.1186/s13012-015-0292-3

110. John CC, Carabin H, Montano SM, Bangirana P, Zunt JR, Peterson PK.(2015). Global research priorities for infections that affect the nervous system. *Nature*; 527(7578): S178-S86.
111. John Rubaihayo, Nazarius M Tumwesigye and Joseph Konde-Lule. 2015 Trends in prevalence of selected opportunistic infections associated with HIV/AIDS in Uganda. *BMC infectious diseases*. Vol 15, Issue 187.
112. John Rubaihayo, Nazarius M. Tumwesigye, Joseph Konde-Lule, Henry Wamani, Edith Nakku-Joloba and Fredrick Makumbi, 2015. Prevalence and Factors Associated with Opportunistic Infections in HIV Positive Patients on Antiretroviral Therapy in Uganda. *International Journal of Tropical Disease & Health* 10(1): 1-13, 2015, Article no..IJTDH.18953 ISSN: 2278–1005
113. Justus Kafunjo Barageine, Jolly Beyeza-Kashesya, Josaphat K. Byamugisha, Nazarius Mbona Tumwesigye, Lars Almroth and Elisabeth Faxelid, 2015. "I am alone and isolated": a qualitative study of experiences of women living with genital fistula in Uganda. *BMC women's health*. Vol 15 Issue 73
114. Kairania R, Gray RH, Wawer MJ, Wagman J, Kigozi G, Nalugoda F, Musoke R, Serwadda D, Sewankambo NK, Semanda J, Sembatya J. Intimate Partner Violence and Communication of HIV Diagnosis in Rakai, Uganda. *Soc Work Public Health*. 2015 May-Jun;30(3):272-81. doi: 10.1080/19371918.2014.994726. Epub 2015 Mar 9. PMID: 25751453
115. Kajubi, Phoebe, Anne R. Katahoire, David Kyaddondo, and Susan R. Whyte. "Communication in the context of family caregiving: An exploratory study of Ugandan children on Antiretroviral Therapy " *Journal of biosocial science* (2015): 1-22.
116. Kakaire O, Byamugisha JK, Tumwesigye NM, Gemzell-Danielsson K; Intrauterine contraception among women living with the human immunodeficiency virus: A randomized controlled trial. *Journal Obstet Gynecol*. 2015 Nov;126(5):928-34. doi: 10.1097/AOG.0000000000001087.
117. Kakaire O, Byamugisha JK, Tumwesigye NM, Gamzell-Danielsson K. Prevalence and factors associated with sexually transmitted infections among HIV positive women opting for intrauterine contraception. *PLoS One*. 2015 Apr 10;10(4):e0122400. doi: 10.1371/journal.pone.0122400. eCollection 2015.
118. Kakaire Othman, Josaphat Kayogoza Byamugisha, Nazarius Mbona Tumwesigye and Kristina Gemzell-Danielsson, 2015. Clinical versus laboratory screening for sexually transmitted infections prior to insertion of intrauterine contraception among women living with HIV/AIDS: a randomized controlled trial. *Human Production*. Online-May 15.
119. Kakaire, JK Byamugisha, NM Tumwesigye, K Gemzell-Danielsson. Clinical versus laboratory screening for sexually transmitted infections prior to insertion of intrauterine contraception among women living with HIV/AIDS: a randomized controlled trial. *Hum Reprod* 2015 Jul 15;30(7):1573-9. Epub 2015 May 15
120. Kakooza-Mwesige A, Forssberg H, Eliasson AC, Tumwine JK. Cerebral palsy in children in Kampala, Uganda: clinical subtypes, motor function and co-morbidities. *BMC Res Notes*. 2015 Apr 23;8:166. doi: 10.1186/s13104-015-1125-9.
121. Kakooza-Mwesige A, Tumwine JK, Eliasson AC, Namusoke HK, Forssberg H. Malnutrition is common in Ugandan children with cerebral palsy, particularly those over the age of five and those who had neonatal complications. *Acta Paediatr*. 2015 Jun 19. doi: 10.1111/apa.13089. [Epub ahead of print]

122. Kamya MR, Arinaitwe E, Wanzira H, Katureebe A, Barusya C, Kigozi SP, Kilama M, Tatem AJ, Rosenthal PJ, Drakeley C, Lindsay SW, Staedke SG, Smith DL, Greenhouse B, Dorsey G. Malaria transmission, infection, and disease at three sites with varied transmission intensity in Uganda: implications for malaria control. *Am J Trop Med Hyg.* 2015 May;92(5):903-12. doi: 10.4269/ajtmh.14-0312. Epub 2015 Mar 16. PubMed PMID: 25778501; PubMed Central PMCID: PMC4426576.
123. Kamya, Moses; Arinaitwe, Emmanuel; Wanzira, Humphrey; Katureebe, Agaba; Barusya, Chris; Kigozi, Simon; Kilama, Maxwell; Tatem, Andrew; Rosenthal, Philip; Drakeley, Chris; Lindsay, Steve; Staedke, Sarah; Smith, David; Greenhouse, Bryan; Dorsey, Grant. Malaria Transmission, Infection and Disease at Three Sites with Varied Transmission Intensity in Uganda: Implications for Malaria Control. *Am J Trop Med Hyg.* 2015. 92(5): p. 903-12.
124. Kapisi J, Bigira V, Clark T, Kinara S, Mwangwa F, Achan J, Kamya M, Soremekun S, Dorsey G. Efficacy and safety of artemether-lumefantrine for the treatment of uncomplicated malaria in the setting of three different chemopreventive regimens. *Malar J.* 2015 Feb 5;14:53. doi: 10.1186/s12936-015-0583-9. PubMed PMID: 25652127; PubMed Central PMCID: PMC4333162.
125. Katahoire, A. R., Henriksson, D. K., Ssegujja, E., Waiswa, P., Ayebare, F., Bagenda, D., ... & Peterson, S. S. (2015). Improving child survival through a district management strengthening and community empowerment intervention: early implementation experiences from Uganda. *BMC public health*, 15(1), 797.
126. Kateera F, Walker TD, Mutesa L, Mutabazi V, Musabeyesu E, Mukabatsinda C, Bihizimana P, Kyamanywa P, Karenzi B, Orikiiriza JT. Hepatitis B and C seroprevalence among health care workers in a tertiary hospital in Rwanda. *Trans R Soc Trop Med Hyg.* 2015 Mar;109(3):203-8. doi: 10.1093/trstmh/trv004. Epub 2015 Jan 30. PubMed PMID: 25636951; PubMed Central PMCID: PMC4321023.
127. Kawungezi, P.C., AkiiBua, D., Aleni, C., Chitayi, M., Niwaha, A., Kazibwe, A., Sunya, E., Mumbere, E.W., Mutesi, C., Tukei, C., Kasangaki, A. and Nakubulwa, S. Attendance and Utilization of Antenatal Care (ANC) Services: Multi-Center Study in Upcountry Areas of Uganda. *Open Journal of Preventive Medicine* 2015 5, 132-142. <http://dx.doi.org/10.4236/ojpm.2015.53016>
128. Kaye DK, Nakimuli A, Kakaire O, Osinde MO, Mbalinda SN, Kakande N. Gaps in continuity of care: patients' perceptions of the quality of care during labor ward handover in Mulago hospital, Uganda. *BMC Health Serv Res.* 2015 May 6;15:190. doi: 10.1186/s12913-015-0850-z.
129. Kayima J, Nankabirwa J, Sinabulya I, Nakibuuka J, Zhu X, Rahman M, Longenecker CT, Katamba A, Mayanja-Kizza H, Kamya MR. Determinants of hypertension in a young adult Ugandan population in epidemiological transition-the MEPI-CVD survey. *BMC Public Health.* 2015 Aug 28;15:830. doi: 10.1186/s12889-015-2146-y. PubMed PMID: 26315787; PubMed Central PMCID: PMC4552375.
130. Kayima J, Nyakoojo W, Nakanjako D, Costa MA, Longenecker CT, Simon DI. Acute Spontaneous Coronary Artery Thrombosis as Initial Presentation of HIV Infection in a Young Man. *Case Rep Cardiol.* 2015;2015:342348. doi: 10.1155/2015/342348. Epub 2015 Mar 2. PMID: 25821605
131. Kayina V, Kyobe S, Katabazi FA, Kigozi E, Okee M, Odongkara B, Babikako HM, Whalen CC, Joloba ML, Musoke PM, Mupere E. Pertussis prevalence and its determinants among children with persistent cough in urban Uganda. *PLoS One.* 2015 Apr 15;10(4):e0123240. doi: 10.1371/journal.pone.0123240. eCollection 2015.

132. Kepha S, Nuwaha F, Nikolay B, Gichuki P, Edwards T, Allen E, Njenga SM, Mwandawiro CS, Brooker SJ. Epidemiology of coinfection with soil transmitted helminths and *Plasmodium falciparum* among school children in Bumula District in western Kenya. *Parasit Vectors*. 2015 Jun 11;8:314. doi: 10.1186/s13071-015-0891-5.
133. Kepha S, Nuwaha F, Nikolay B, Gichuki P, Mwandawiro CS, Mwinzi PN, Odiere MR, Edwards T, Allen E, Brooker SJ. Effect of Repeated Anthelmintic Treatment on Malaria in School Children in Kenya: A Randomized, Open-Label, Equivalence Trial. *J Infect Dis*. 2015 Jul 13. pii: jiv382. [Epub ahead of print]
134. Kerber, K., S. Peterson, and P. Waiswa, Special issue: newborn health in Uganda. *Glob Health Action*, 2015. 8: p. 27574.
135. Kibira SPS, Muhumuza C, Bukenya JN, Atuyambe LM (2015) "I Spent a Full Month Bleeding, I Thought I was going to Die..." A Qualitative Study of Experiences of Women using Modern Contraception in Wakiso District, Uganda. *PLoS ONE* 2015; 10:11:e0141998. doi:10.1371/journal.pone.0141998
136. Kibuuka A, Byakika-Kibwika P, Achan J, Yeka A, Nalyazi JN, Mpimbaza A, Rosenthal PJ, Kamya MR. Bacteremia Among Febrile Ugandan Children Treated with Antimalarials Despite a Negative Malaria Test. *Am J Trop Med Hyg*. 2015 Aug;93(2):276-80. doi: 10.4269/ajtmh.14-0494. Epub 2015 Jun 8. PubMed PMID: 26055736; PubMed Central PMCID: PMC4530747.
137. Kiggundu R, Morawski BM, Bahr NC, Rhein J, Musubire AK, Williams DA, Abassi M, Nabeta HW, Hullsiek KH, Meya DB, Boulware DR. Effects of tenofovir and amphotericin B deoxycholate co-administration on kidney function in patients treated for cryptococcal meningitis. *J Acquir Immune Defic Syndr*. 2015 Aug 22. [Epub ahead of print] PubMed PMID: 26334743.
138. Kigozi SP, Pindolia DK, Smith DL, Arinaitwe E, Katureebe A, Kilama M, Nankabirwa J, Lindsay SW, Staedke SG, Dorsey G, Kamya MR, Tatem AJ. Associations between urbanicity and malaria at local scales in Uganda. *Malar J*. 2015 Sep 29;14:374. doi: 10.1186/s12936-015-0865-2. PubMed PMID: 26415959; PubMed Central PMCID: PMC4587721
139. Kiguli S, Maitland K, George EC, Olupot-Olupot P, Opoka RO, Engoru C, Akech SO, Nyeko R, Mtove G, Reyburn H, Levin M, Babiker AG, Gibb DM, Crawley J. Anaemia and blood transfusion in African children presenting to hospital with severe febrile illness. *BMC Med*. 2015 Feb 2;13:21. doi: 10.1186/s12916-014-0246-7.
140. Kiguli, J., et al., Weeping in silence: community experiences of stillbirths in rural eastern Uganda. *Glob Health Action*, 2015. 8: p. 24011.
141. Kirenga BJ, Ssengooba W, Muwonge C, Nakiyingi L, Kyaligonza S, Kasozi S, Mugabe F, Boeree M, Joloba M, Okwera A. Tuberculosis risk factors among tuberculosis patients in Kampala, Uganda: implications for tuberculosis control. *BMC Public Health*. 2015 Jan 21;15(1):13. [Epub ahead of print] PubMed PMID: 25604986; PubMed Central PMCID: PMC4311451
142. Kityamuwesi R, Muwazi L, Kasangaki A, Kajumbula H, Rwenyonyi CM. Characteristics of pyogenic odontogenic infection in patients attending Mulago Hospital, Uganda: a cross-sectional study. *BMC Microbiology* 2015, 15:46. doi:10.1186/s12866-015-0382-z
143. Koss CA, Jarlsberg LG, den Boon S, Cattamanchi A, Davis JL, Worodria W, Ayakaka I, Sanyu I, Huang L; International HIV-associated Opportunistic Pneumonias (IHOP) Study. A Clinical Predictor Score for 30-Day Mortality among HIV-Infected Adults Hospitalized with Pneumonia in

Uganda. PLoS One. 2015 May 11;10(5):e0126591. doi: 10.1371/journal.pone.0126591. eCollection 2015. PubMed PMID: 25962069.

144. Koss CA, Natureeba P, Mwesigwa J, Cohan D, Nzarubara B, Bacchetti P, Horng H, Clark TD, Plenty A, Ruel TD, Achan J, Charlebois ED, Kanya MR, Havlir DV, Gandhi M. Hair concentrations of antiretrovirals predict viral suppression in HIV-infected pregnant and breastfeeding Ugandan women. *AIDS*. 2015 Apr 24;29(7):825-30. doi: 10.1097/QAD.0000000000000619. PubMed PMID: 25985404; PubMed Central PMCID: PMC4438773.
145. Koss CA, Natureeba P, Nyafwono D, Plenty A, Mwesigwa J, Nzarubara B, Clark TD, Ruel TD, Achan J, Charlebois ED, Cohan D, Kanya MR, Havlir DV, Young SL. Food Insufficiency is Associated with Lack of Sustained Viral Suppression among HIV-Infected Pregnant and Breastfeeding Ugandan Women. *J Acquir Immune Defic Syndr*. 2015 Sep 22. [Epub ahead of print] PubMed PMID: 26397935.
146. Kozuki, N., T. Guenther, L. Vaz, A. Moran, S. B. Soofi, C. N. Kayemba, S. S. Peterson, Z. A. Bhutta, S. Khanal and J. M. Tielsch (2015). "A systematic review of community-to-facility neonatal referral completion rates in Africa and Asia." *BMC Public Health* 15(1): 989.
147. Kuteesa J, Kituuka O, Namuguzi D, Ndikuno C, Kirunda S, Mukunya D, Galukande M. Intra-abdominal hypertension; prevalence, incidence and outcomes in a low resource setting; a prospective observational study. *World Journal of Emergency Medicine* 2015; 10:57 DOI 10.1186/s13017-015-0051-4
148. Kuznik A, Habib AG, Manabe YC, Lamorde M. Estimating the Public Health Burden Associated With Adverse Pregnancy Outcomes Resulting From Syphilis Infection Across 43 Countries in Sub-Saharan Africa. *Sex Transm Dis*. 2015 Jul;42(7):369-75. doi: 10.1097/OLQ.0000000000000291. PubMed PMID: 26222749; PubMed Central PMCID: PMC4520246.
149. Kuznik A, Muhumuza C, Komakech H, Marques EM, Lamorde M. Antenatal syphilis screening using point-of-care testing in low- and middle-income countries in Asia and latin america: a cost-effectiveness analysis. *PLoS One*. 2015 May 26;10(5):e0127379. doi: 10.1371/journal.pone.0127379. eCollection 2015. PubMed PMID: 26010366; PubMed Central PMCID: PMC4444054.
150. Lachat C, Roberfroid D, Van den Broeck L, Van den Briel N, Nago E, Kruger A, Holdsworth M, Garimoi Orach C, Kolsteren P. A decade of nutrition research in Africa: assessment of the evidence base and academic collaboration. *Public Health Nutr*. 2015 Jul; 18(10):1890-7. doi: 10.1017/S1368980014002146.
151. Lamorde M, Walimbwa S, Byakika-Kibwika P, Katwere M, Mukisa L, Sempa JB, Else L, Back DJ, Khoo SH, Merry C. Steady-state pharmacokinetics of rilpivirine under different meal conditions in HIV-1-infected Ugandan adults. *J Antimicrob Chemother*. 2015 May;70(5):1482-6. doi: 10.1093/jac/dku575. Epub 2015 Feb 3. PubMed PMID: 25652748.
152. Liu CM, Hungate BA, Tobian AA, Ravel J, Prodger JL, Serwadda D, Kigozi G, Galiwango RM, Nalugoda F, Keim P, Wawer MJ, Price LB, Gray RH. Penile Microbiota and Female Partner Bacterial Vaginosis in Rakai, Uganda. *MBio*. 2015 Jun 16;6(3):e00589. doi: 10.1128/mBio.00589-15. PMCID: PMC4471566
153. Lomangisi D Dlamini, Musa Sekikubo, Janat Tumukunde, Charles Kojjo, Davidson Ocen, Agnes Wabule, Arthur Kwizera Antibiotic prophylaxis for caesarean section at a Ugandan hospital: a randomised clinical trial evaluating the effect of administration time on the incidence of postoperative infections *BMC Pregnancy and Childbirth* 2015, 15:91 (12 April 2015)

154. Lubega M, Nakyaanjo N, Nansubuga S, Hiire E, Kigozi G, Nakigozi G, Lutalo T, Nalugoda F, Serwadda D, Gray R, Wawer M, Kennedy C, Reynolds SJ. Risk Denial and Socio-Economic Factors Related to High HIV Transmission in a Fishing Community in Rakai, Uganda: A Qualitative Study. *PLoS One*. 2015 Aug 26;10(8):e0132740. doi: 10.1371/journal.pone.0132740. eCollection 2015. PMID: PMC4550390
155. Lubega M, Tumwesigye NM, Kadobera D, Marrone G, Wabwire-Mangen F, Peterson S, Reynolds SJ, Ekström, AM. Effect of Community Support Agents on Retention of People Living With HIV in Pre-antiretroviral Care: A Randomized Controlled Trial in Eastern Uganda. *JAIDS Journal of Acquired Immune Deficiency Syndromes*, 2015. 70(2): p. e36-e43.
156. Lubogo, D., Ddamulira, J. B., Tweheyo, R., & Wamani, H. (2015). Factors associated with access to HIV care services in eastern Uganda: the Kumi home based HIV counseling and testing program experience. *BMC family practice*, 16(1), 162.
157. Lutalo T, Gray R, Mathur S, Wawer M, Guwatudde D, Santelli J, Nalugoda F, Makumbi F. Desire for female sterilization among women wishing to limit births in rural Rakai, Uganda. *Contraception*. 2015 Jul 28. pii: S0010-7824(15)00504-1. doi: 10.1016/j.contraception.2015.07.012. PMID: 26232377
158. Lwanga Francis, Wanyenze RK, Matovu JK, Orach GC. Food Security and Nutritional Status of Children Residing in Sugarcane Growing Communities of East-Central Uganda: A Cross-sectional Study. *Journal of Food Security* 2015; 3(2):34-39.
159. Lwanga Francis, Wanyenze RK, Matovu JK, Orach GC. Nutritional Status of HIV-infected Adolescents Enrolled into an HIV-care Program in Urban and Rural Uganda: A Cross-sectional Study. *Journal of Nutrition and Health* 2015; 3(2):29-34.
160. Lydia Nakiyingi, Willy Ssengooba, Damalie Nakanjako, Derek Armstrong, Molly Holshouser, Bruce J Kirenga, Maunank Shah, Harriet Mayanja-Kizza, Moses L Joloba, Jerrold J Ellner, Susan E Dorman and Yukari C Manabe. Predictors and outcomes of mycobacteremia among HIV-infected smear- negative presumptive tuberculosis patients in Uganda. *BMC Infectious Diseases* 2015, 15:62 doi: 10.1186/s12879-015-0812-4. Published: 15 February 2015.
161. M. Ocan, YC Manabe, H. Baluku, E. Atukwase, J Ogwal-Okeng, C.Obua. Prevalence and predictors of prior antibacterial use of among patients presenting to hospitals in northern Uganda. *BMC Pharmacology and Toxicology* 2015 16:26
162. Makobore P, Galukande M, Kalanzi E, Kijjambu SC. The burden of hand injuries in a tertiary hospital in sub Saharan Africa. *Emergency Medicine International* May 2015; <http://dx.doi.org/10.1155/2015/838572>
163. Manabe YC, Namale G, Nalintya E, Sempa J, Ratanshi R, Pakker N, Katabira E. Integration of antenatal syphilis screening in an urban HIV clinic: a feasibility study. *BMC Infect Dis*. 2015 Jan 13;15(1):15. [Epub ahead of print] PubMed PMID: 25583097; PubMed Central PMCID: PMC4302122.
164. Mangwi Ayiasi R, Atuyambe LM, Kiguli J, Garimoi Orach C, Kolsteren P, Criel B. Use of mobile phone consultations during home visits by Community Health Workers for maternal and newborn care: community experiences from Masindi and Kiryandongo districts, Uganda. *BMC Public Health*. 2015 Jun 18; 15:560. doi: 10.1186/s12889-015-1939-3.

165. Marie Klingberg-Allvin, Amanda Cleeve, Susan Atuhairwe, Nazarius Mbona Tumwesigye, Elisabeth Faxelid, Josaphat Byamugisha, Prof Kristina Gemzell-Danielsson, (2015). Comparison of treatment of incomplete abortion with misoprostol by physicians and midwives at district level in Uganda: a randomised controlled equivalence trial. *The Lancet*. Published Online 26th March 2015.
166. Matovu JK, Todd J, Wanyenze RK, Wabwire-Mangen F, Serwadda D. Correlates of previous couples' HIV counseling and testing uptake among married individuals in three HIV prevalence strata in Rakai, Uganda. *Glob Health Action*. 2015; 8: 27935.
167. Mazigo HD, Dunne DW, Morona D, Lutufyo TE, Kinung'hi SM, Kaatano G, Nuwaha F. Periportal fibrosis, liver and spleen sizes among *S. mansoni* mono or co-infected individuals with human immunodeficiency virus-1 in fishing villages along Lake Victoria shores, North-Western, Tanzania. *Parasit Vectors*. 2015 May 7;8:260. doi: 10.1186/s13071-015-0876-4.
168. Mbabazi P, Hopkins H, Osilo E, Kalungu M, Byakika-Kibwika P, Kamya MR. Accuracy of two malaria rapid diagnostic tests (RDTs) for initial diagnosis and treatment monitoring in a high transmission setting in Uganda. *Am J Trop Med Hyg*. 2015 Mar;92(3):530-6. doi: 10.4269/ajtmh.14-0180. Epub 2015 Jan 26. PubMed PMID: 25624399; PubMed Central PMCID: PMC4350543.
169. Mbalinda S. N., Kiwanuka N., Eriksson L. E., Wanyenze R. K., Kaye D. K. Correlates of ever had sex among perinatally HIV-infected adolescents in Uganda. *Reprod Health*, 2015 12(1), 015-0082.
170. Mbalinda S. N., Kiwanuka N., Kaye D. K., Eriksson, L. E. Reproductive health and lifestyle factors associated with health-related quality of life among perinatally HIV-infected adolescents in Uganda. *Health Qual Life Outcomes*, 2015 13(1), 015-0366.
171. Mbalinda SN, Nakimuli A, Nakubulwa S, Kakaire O, Osinde MO, Kakande N, Kaye DK. Male partners' perceptions of maternal near miss obstetric morbidity experienced by their spouses. *Reprod Health*. 2015 Mar 24;12:23. doi: 10.1186/s12978-015-0011-1.
172. Mbonye MK, Burnett SM, Naikoba S, Colebunders R, Wouters K, Weaver MR, Van Geertruyden JP. Malaria care in infants aged under six months in Uganda: an area of unmet needs! *PLoS One*. 2015 Apr 10;10(4):e0123283. doi: 10.1371/journal.pone.0123283. eCollection 2015. PubMed PMID: 25860016; PubMed Central PMCID: PMC4393291.
173. McPake B, Witter S, Ssali S, Wurie H, Namakula J, Ssengooba F. Ebola in the context of conflict affected states and health systems: case studies of Northern Uganda and Sierra Leone. *Conflict and Health*. 2015;9:23. doi:10.1186/s13031-015-0052-7
174. Meme N, Amwayi S, Nganga Z, Buregyeya E. Prevalence of undiagnosed diabetes among hypertensive patients attending Kiambu district Hospital, Kenya: A cross-sectional study. *Pan African Medical Journal*, November 2015
175. Meya D, Rajasingham R, Nalintya E, Tenforde M, Jarvis JN. Preventing Cryptococcosis-Shifting the Paradigm in the Era of Highly Active Antiretroviral Therapy. *Curr Trop Med Rep*. 2015;2(2):81-89. Review. PubMed PMID: 25960942; PubMed Central PMCID: PMC4412515.
176. Michael Ediau, Joseph KB Matovu, Raymond Byaruhanga, Nazarius M Tumwesigye, and Rhoda K Wanyenze. 2015. Risk factors for HIV infection among circumcised men in Uganda: a case-control study. *J Int AIDS Soc*. 2015; 18(1): 19312.

177. Min-Su Kang, Peter Nkurunziza, Richard Muwanika, Guoqing Qian, Lili Tang, Xiao Song, Kathy Xue, Allan Nkwata, John Ssempebwa, Tom Lutalo, David Serwadda, Janet Seeley, Jonathan. H. William and Jia-Sheng Wang. (2015). Longitudinal Evaluation of Aflatoxin Exposure in Central and Southwestern Human Populations, Uganda. Food Additives and Contaminants Part A, Volume 32, Issue 8. 1322-1330 DOI:10.1080/19440049.2015.1048749
178. Mirembe BB, Ndejjo R, Musoke D. Sanitation and hygiene status of butcheries in Kampala district, Uganda. African Journal of Food, Agriculture, Nutrition and Development 2015; 15(3):1-8
179. Miriam O. Laker-Oketta, Megan Wagner, Aggrey Semeere, Barbara Castelnuovo, Andrew Kambugu, Robert Lukande, F. Chite Airwa, Naftali Busakhala, Nathan Buziba, Lameck Diero, Kara Wools-Kaloustain, Robert Mathew Strother, Mwebesa Bwana, Winnie Muyindike, Eric Amerson, Edward Mbidde, Toby Maurer, Jeffrey Martin. Task Shifting and Skin Punch for Histologic Diagnosis of Kaposi's Sarcoma In Sub-Saharan Africa: A Public Health Solution to a Public Health Problem. Oncology: DOI; 10.1159/000375165. 2015 February 27.
180. Moses Ocan, Ekwaro A. Obuku, Freddie Bwanga, Dickens Akena, Sennonno Richard, Jasper Ogwal-Okeng and Celestino Obua; Household antimicrobial self-medication: a systematic review and meta-analysis of the burden, risk factors and outcomes in developing countries. BMC Public Health (2015) 15:742 DOI 10.1186/s12889-015-2109-3
181. Moxon, S.G., et al., Count every newborn; a measurement improvement roadmap for coverage data. BMC Pregnancy Childbirth, 2015. 15 Suppl 2: p. S8.
182. Mpimbaza A, Miles M, Sserwanga A, Kigozi R, Wanzira H, Rubahika D, Nasr S, Kapella BK, Yoon SS, Chang M, Yeka A, Staedke SG, Kanya MR, Dorsey G. Comparison of routine health management information system versus enhanced inpatient malaria surveillance for estimating the burden of malaria among children admitted to four hospitals in Uganda. Am J Trop Med Hyg. 2015 Jan;92(1):18-21. doi: 10.4269/ajtmh.14-0284. Epub 2014 Nov 24. PubMed PMID: 25422396; PubMed Central PMCID: PMC4347377.
183. Mpimbaza A, Sears D, Sserwanga A, Kigozi R, Rubahika D, Nadler A, Yeka A, Dorsey G. Admission Risk Score to Predict Inpatient Pediatric Mortality at Four Public Hospitals in Uganda. PLoS One. 2015 Jul 28;10(7):e0133950. doi: 10.1371/journal.pone.0133950. eCollection 2015. PubMed PMID: 26218274; PubMed Central PMCID: PMC4517901.
184. Mugisha, E., LaMontagne, D. S., Katahoire, A. R., Murokora, D., Kumakech, E., Seruyange, R., & Tsu, V. D. (2015). Feasibility of delivering HPV vaccine to girls aged 10 to 15 years in Uganda. African health sciences, 15(1), 33-41. 10.1186/1472-6913-14-1110
185. Muhumuza Christine, Judith Streak Gomersall, Makumbi E Fredrick, Lynn Atuyambe, Christopher Okiira, Aggrey Mukose and John Ssempebwa. "Health care worker hand hygiene in the pediatric special care unit at Mulago national referral hospital in Uganda: a best practice implementation project" (2015) International Journal of Evidence-Based Healthcare Mar;13(1):19-27. doi: 10.1097/XEB.0000000000000013
186. Muhumuza S, Olsen A, Katahoire A, Nuwaha F. Reduced uptake of mass treatment for schistosomiasis control in absence of food: beyond a randomized trial. BMC Infect Dis. 2015 Oct 14;15:423. doi: 10.1186/s12879-015-1158-7.
187. Muhumuza S, Olsen A, Nuwaha F, Katahoire A. Understanding low uptake of mass treatment for intestinal schistosomiasis among school children: a qualitative study in Jinja district, Uganda. J Biosoc Sci. 2015 Jul;47(4):505-20. doi: 10.1017/S002193201400011X.

188. Mukama T, Ndejjo R, Musinguzi G, Musoke D. Perceptions about medical male circumcision and sexual behaviours of adults in rural Uganda – a cross sectional study. *Pan African Medical Journal*. In press.
189. Mumpe MD, Verver S, Yeka A, Etwom A, Waako J, Ssengooba W, Matovu JK, Wanyenze RK, Musoke P, Mayanja-Kizza H. Prevalence and Predictors of Latent Tuberculosis among Adolescents in Rural Eastern Uganda. *Afr Health Sci* 2015; 15(3):851-60
190. Munabi IG, Luboga SA, Mirembe F. 2015. A cross sectional study evaluating screening using maternal anthropometric measurements for outcomes of childbirth in Ugandan mothers at term. *BMC research notes* 8: 205.
191. Munabi IG, Mirembe F, Luboga SA. 2015. Human Pelvis Height is Associated with Other Pelvis Measurements of Obstetric Value. *Anatomy Journal of Africa* 4: 457-465.
192. Munabi IG, Buwembo W, Bajunirwe F, Kitara DL, Joseph R, Peter K, Obua C, Quinn J, Mwaka ES. Factors influencing health professions students' use of computers for data analysis at three Ugandan public medical schools: a cross-sectional survey. *BMC Res Notes*. 2015 Feb 25; 8:54. doi: 10.1186/s13104-015-1013-3.
193. Musinguzi G, Bastiaens H, Matovu JK, Nuwaha F, Mujisha G, Kiguli J, Arinaitwe J, Van Geertruyden JP, Wanyenze RK. Barriers to Condom Use among High Risk Men Who Have Sex with Men in Uganda: A Qualitative Study. *PLoS One*. 2015 Jul 14;10(7):e0132297. doi: 10.1371/journal.pone.0132297. eCollection 2015.
194. Musinguzi G, Bastiaens H, Wanyenze RK, Mukose A, Van Geertruyden JP, Nuwaha F. Capacity of Health Facilities to Manage Hypertension in Mukono and Buikwe Districts in Uganda: Challenges and Recommendations. *PLoS One*. 2015 Nov 11;10(11):e0142312. doi: 10.1371/journal.pone.0142312. eCollection 2015.
195. Musinguzi G, Van Geertruyden JP, Bastiaens H, Nuwaha F. Uncontrolled hypertension in Uganda: a comparative cross-sectional study. *J Clin Hypertens (Greenwich)*. 2015 Jan;17(1):63-9. doi: 10.1111/jch.12371.
196. Musoke D, Ekirapa-Kiracho E, Ndejjo R, George A; Using photovoice to examine community level barriers affecting maternal health in Rural Wakiso District, Uganda. *Reproductive Health Matters* 05/2015; 23(45-45):136-147. DOI:10.1016/j.rhm.2015.06.011
197. Musoke D, Karani G, Ssempebwa JC, Etajak S, Guwatudde D, Musoke M. B. Knowledge and practices on malaria prevention in two rural communities in Wakiso district, Uganda. (2015) *African Health Sciences*, Vol 15, Issue 2, DOI: <http://dx.doi.org/10.4314/ahs.v15i2.13>
198. Musoke D, Miiro G, Karani G, Morris K, Kasasa S, Ndejjo R, Nakiyingi-Miiro J, Guwatudde D, Musoke MB. Promising perceptions, divergent practices and barriers to integrated malaria prevention in Wakiso District, Uganda: A mixed methods study. *PLoS One* 2015;10(4):e0122699.
199. Musoke P, Szubert AJ, Musiime V, Nathoo K, Nahirya-Ntege P, Mutasa K, Williams DE, Prendergast AJ, Spyer M, Walker AS, Gibb DM; ARROW Trial Team. Single-dose nevirapine exposure does not affect response to antiretroviral therapy in HIV-infected African children aged below 3 years. *AIDS*. 2015 Aug 24;29(13):1623-32. doi: 10.1097/QAD.0000000000000749.
200. Musubire AK, Meya DB, Lukande R, Kambugu A, Bohjanen PR, Boulware DR. Gastrointestinal cryptococcoma - Immune reconstitution inflammatory syndrome or cryptococcal relapse in a patient with AIDS? *Med Mycol Case Rep*. 2015 Mar 26;8:40-3. doi: 10.1016/j.mmcr.2015.03.004. eCollection 2015 Jun. PubMed PMID: 25870787; PubMed Central PMCID: PMC4389205.

201. Mutebi, A., & kiracho Ekirapa, E. (2015). 132: BENEFITS OF A MATERNAL AND CHILD HEALTH TRANSPORT VOUCHER STUDY. A TRANSPORTER'S PERSPECTIVE IN PALLISA DISTRICT IN EASTERN UGANDA. *BMJ Open*, 5(Suppl 1), bmjopen-2015.
202. Mwaka AD, Okello ES, Orach CG. Barriers to biomedical care and use of traditional medicines for treatment of cervical cancer: an exploratory qualitative study in northern Uganda. *Eur J Cancer Care (Engl)*. 2015 Jul; 24(4):503-13. doi: 10.1111/ecc.12211.
203. Mwaka AD, Orach CG, Were EM, Lyratzopoulos G, Wabinga H, Roland M. Awareness of cervical cancer risk factors and symptoms: cross-sectional community survey in post-conflict northern Uganda. *Health Expect*. 2015 Jul 23. doi: 10.1111/hex.12382.
204. Nabeta HW, Kasolo J, Kiggundu RK, Kiragga AN, Kiguli S. Serum vitamin D status in children with protein-energy malnutrition admitted to a national referral hospital in Uganda. *BMC Res Notes*. 2015 Sep 7;8(1):418. doi: 10.1186/s13104-015-1395-2. PubMed PMID: 26346815; PubMed Central PMCID: PMC4562347.
205. Nabukenya, M. T., Kintu, A., Wabule, A., Muyingo, M. T., & Kwizera, A. (2015). Knowledge, attitudes and use of labour analgesia among women at a low-income country antenatal clinic. *BMC anesthesiology*, 15(1), 98.
206. Nakanjako D, Namagala E, Semeere A, Kigozi J, Sempa J, Ddamulira JB, Katamba A, Biraro S, Naikoba S, Mashalla Y, Farquhar C; Afya Bora Consortium members, Sewankambo N. Global health leadership training in resource-limited settings: a collaborative approach by academic institutions and local health care programs in Uganda. *Hum Resour Health*. 2015 Nov 18;13(1):87. PMID: 26581196
207. Nakanjako D, Ssinabulya I, Nabatanzi R, Bayigga L, Kiragga A, Joloba M, Kaleebu P, Kambugu AD, Kamya MR, Sekaly R, Elliott A, Mayanja-Kizza H. Atorvastatin reduces T-cell activation and exhaustion among HIV-infected cART-treated suboptimal immune responders in Uganda: a randomised crossover placebo-controlled trial. *Trop Med Int Health*. 2015 Mar;20(3):380-90. doi: 10.1111/tmi.12442. Epub 2015 Jan 6. PMID: 25441397
208. Nakigozi G, Makumbi FE, Bwanika JB, Atuyambe L, Reynolds SJ, Kigozi G, Nalugoda F, Chang LW, Kiggundu V, Serwadda D, Wawer MJ, Gray RH, Kamya MR. Impact of Patient-Selected Care Buddies on Adherence to HIV Care, Disease Progression, and Conduct of Daily Life Among Pre-antiretroviral HIV-Infected Patients in Rakai, Uganda: A Randomized Controlled Trial. *J Acquir Immune Defic Syndr*. 2015 Sep 1;70(1):75-82. doi: 10.1097/QAI.0000000000000710. PubMed PMID: 26039929; PubMed Central PMCID: PMC4556592.
209. Nakimuli A, Mbalinda SN, Nabirye RC, Kakaire O, Nakubulwa S, Osinde MO, Kakande N, Kaye DK. Still births, neonatal deaths and neonatal near miss cases attributable to severe obstetric complications: a prospective cohort study in two referral hospitals in Uganda. *BMC Pediatr*. 2015 Apr 17;15:44. doi: 10.1186/s12887-015-0362-3.
210. Nakimuli A, Nakubulwa S, Kakaire O, Osinde MO, Mbalinda SN, Nabirye RC, Kakande N, Kaye DK. Incidence and determinants of neonatal morbidity after elective caesarean section at the national referral hospital in Kampala, Uganda. *BMC Res Notes*. 2015 Oct 30;8(1):624. doi: 10.1186/s13104-015-1617-7.
211. Nakiyingi L, Nonyane BA, Ssengooba W, Kirenga BJ, Nakanjako D, Lubega G, Byakika-Kibwika P, Joloba ML, Ellner JJ, Dorman SE, Mayanja-Kizza H, Manabe YC. Predictors for MTB Culture-Positivity among HIV-Infected Smear-Negative Presumptive Tuberculosis Patients in Uganda: Application of New Tuberculosis Diagnostic Technology. *PLoS One*. 2015 Jul 29;10(7).

212. Nakiyingi L, Ssengooba W, Nakanjako D, Armstrong D, Holshouser M, Kirenga BJ, Shah M, Mayanja-Kizza H, Joloba ML, Ellner JJ, Dorman SE, Manabe YC. Predictors and outcomes of mycobacteremia among HIV-infected smear- negative presumptive tuberculosis patients in Uganda. *BMC Infect Dis*. 2015 Feb 15;15:62.
213. Nakubulwa, S., D.K. Kaye, F. Bwanga, N.M. Tumwesigye, and F.M. Mirembe, Genital infections and risk of premature rupture of membranes in Mulago Hospital, Uganda: a case control study. *BMC research notes*, 2015. 8(1): p. 573.
214. Nalugwa A, Nuwaha F, Tukahebwa EM, Olsen A. Single Versus Double Dose Praziquantel Comparison on Efficacy and Schistosoma mansoni Re-Infection in Preschool-Age Children in Uganda: A Randomized Controlled Trial. *PLoS Negl Trop Dis*. 2015 May 26;9(5):e0003796. doi: 10.1371/journal.pntd.0003796. eCollection 2015 May.
215. Nalugwa A, Olsen A, Tukahebwa ME, Nuwaha F. Intestinal schistosomiasis among preschool children along the shores of Lake Victoria in Uganda. *Acta Trop*. 2015 Feb;142:115-21. doi: 10.1016/j.actatropica.
216. Nalwadda, C. K., P. Waiswa, D. Guwatudde, K. Kerber, S. Peterson and J. Kiguli (2015). "As soon as the umbilical cord gets off, the child ceases to be called a newborn": sociocultural beliefs and newborn referral in rural Uganda." *Global health action* .<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4385206/pdf/GHA-8-24386.pdf>
217. Nalwanga V, Ndejjo R, Musoke D. Knowledge and practices on sanitation and hygiene in daycare centres in Kampala district, Uganda. *Environment and Health International* 2015; 16(1):49-57.
218. Namazzi, G., Waiswa, P., Nakakeeto, M., Nakibuuka, V. K., Namutamba, S., Najjemba, M., ... & Byaruhanga, R. N. (2015). Strengthening health facilities for maternal and newborn care: experiences from rural eastern Uganda. *Global health action*, 8.
219. Nankabirwa V, Tumwine JK, Mugaba PM, Tylleskar T, Sommerfelt H, Group P-ES: Child survival and BCG vaccination: a community based prospective cohort study in Uganda. *BMC public health* 2015, 15:175.
220. Ndejjo Rawlance, Geoffrey Musinguzi, Xiaozhong Yu, David Musoke, Jia-Sheng Wang, Esther Buregyeya, Abdullah Ali Halage, Christopher Whalen, William Bazeyo, Phillip L. Williams and John Ssempebwa. Occupational health hazards among healthcare workers in Kampala, Uganda. (2015). *J Environ Public Health*. 2015:913741
221. Nfambi J, Bbosa GS, Sembajwe LF, Gakunga J, Kasolo JN. Immunomodulatory activity of methanolic leaf extract of *Moringa oleifera* in Wistar albino rats. *J Basic Clin Physiol Pharmacol*. 2015 Jun 23. pii: /j/jbcpp.ahead-of-print/jbcpp-2014-0104/jbcpp-2014-0104.xml. doi: 10.1515/jbcpp-2014-0104. [Epub ahead of print]
222. Nsabagasani X, Ogwal-Okeng J, Mbonye A, Ssengooba F, Muhumuza S, Hansen EH. (2015) Availability and utilization of the WHO recommended priority lifesaving medicines for under five-year old children in public health facilities in Uganda: a cross-sectional survey. *Journal of Pharmaceutical Policy and Practice*. 2015;8(1):18. doi:10.1186/s40545-015
223. Nsabagasani, X., Hansen, E., Mbonye, A., Ssengooba, F., Muyinda, H., Mugisha, J., & Ogwal-Okeng, J. (2015). Explaining the slow transition of child-appropriate dosage formulations from the global to national level in the context of Uganda: a qualitative study. *Journal of Pharmaceutical Policy and Practice*, 8(1), 19. <http://doi.org/10.1186/s40545>

224. Nzota MS, Matovu JK, Draper HR, Kisa R, Kiwanuka SN. Determinants and processes of HIV status disclosure to HIV--infected children aged 4 to 17 years receiving HIV care services at Baylor College of Medicine Children's Foundation Tanzania, Centre of Excellence (COE) in Mbeya: a cross-sectional study. *BMC Pediatr*. 2015; 15: 81.
225. Ocamo P, Seremba E, Apica B, Opio K. Hepatitis B and HIV co-infection is still treated using lamivudine-only antiretroviral therapy combination in Uganda. *Afr Health Sci*. 2015 Jun;15(2):328-33. doi: 10.4314/ahs.v15i2.4. PubMed PMID: 26124776; PubMed Central PMCID: PMC4480502.
226. Ocan M, Manabe YC, Baluku H, Atukwase E, Ogwal-Okeng J, Obua C. Prevalence and predictors of prior antibacterial use among patients presenting to hospitals in Northern Uganda. *BMC Pharmacol Toxicol*. 2015 Sep 25;16(1):26. doi: 10.1186/s40360-015-0027-8. PubMed PMID: 26407973; PubMed Central PMCID: PMC4583731.
227. Ocan M, Obuku EA, Bwanga F, Akena D, Richard S, Ogwal-Okeng J, Obua C. Household antimicrobial self-medication: a systematic review and meta-analysis of the burden, risk factors and outcomes in developing countries. *BMC Public Health*. 2015 Aug 1;15(1):742. doi: 10.1186/s12889-015-2109-3.
228. Ocen, Davidson, Sam Kalungi, Joseph Ejoku, Tonny Luggya, Agnes Wabule, Janat Tumukunde, and Arthur Kwizera. "Prevalence, outcomes and factors associated with adult in hospital cardiac arrests in a low-income country tertiary hospital: a prospective observational study." *BMC emergency medicine* 15, no. 1 (2015): 23.
229. Odongo J, Makumbi T, Kalungi S, Galukande M. Patient delay factors, in women presenting with breast cancer in a low income country. *BMC Research Notes* September 2015; 8:467 DOI 10.1186/s13104-015-1438-8
230. Odongo P, Wanyama R, Obol JH, Apiyo P, Byakika-Kibwika Impaired renal function and associated risk factors in newly diagnosed HIV-infected adults in Gulu Hospital, Northern Uganda. *P. BMC Nephrol*. 2015 Mar 31; 16:43. doi: 10.1186/s12882-015-0035-3. PMID:
231. Okori, H., Apolot, P. S., Mwaka E., Tumusiime, G., Buwembo, W., & Munabi, I. G. (2015). A secondary analysis to determine variations of dental arch measurements with age and gender among Ugandans. *BMC research notes*,8(1), 428
232. Okuga, M., et al., Engaging community health workers in maternal and newborn care in eastern Uganda. *Glob Health Action*, 2015. 8: p. 23968.
233. Oling M, Odongo J, Kituuka O, Galukande M. Prevalence of *Helicobacter pylori* associated gastritis in patients at a tertiary hospital in a low resource setting. *BMC Research Notes* June 2015; 8:256
234. Ongolo-Zogo Pierre, Lavis N John, Tomson Goran, Sewankambo K Nelson. Climate for evidence informed health system policymaking in Cameroon and Uganda before and after the introduction of knowledge translation platforms: a structured review of governmental policy documents. *Health Research Policy and Systems*. 2015, 13:2 (1 January 2015) DOI: 10.1186/1478-4505-13-2
235. Opoka RO, Kiguli S, Ssemata AS, Govaerts M, Driessen EW. Perceptions of postgraduate trainees on the impact of objective structured clinical examinations on their study behavior and clinical practice. *Adv Med Educ Pract*. 2015 Jun 3;6:431-7. doi: 10.2147/AMEP.S79557. eCollection 2015.
236. Orach CG, Otim G, Aporomon JF, Amone R, Okello SA, Odongkara B, Komakech H. Perceptions, attitude and use of family planning services in post conflict Gulu district, northern Uganda. *Confl Health*. 2015 Aug 11; 9:24. doi: 10.1186/s13031-015-0050-9.

237. Osingada CP, Nalwadda G, Ngabirano T, Wakida J, Sewankambo N, Nakanjako D. Nurses' knowledge in ethics and their perceptions regarding continuing ethics education: a cross-sectional survey among nurses at three referral hospitals in Uganda. *BMC Res Notes*. 2015 Jul 29;8:319. doi: 10.1186/s13104-015-1294-6. PMID: 26219840
238. P, Achan J, Yeka A, Nalyazi JN, Mpimbaza A, Rosenthal PJ, Kamya MR. Bacteremia Among Febrile Ugandan Children Treated with Antimalarials Despite a Negative Malaria Test; Kibuuka A, Byakika-Kibwika. *Am J Trop Med Hyg*. 2015 Aug; 93(2):276-80. doi: 10.4269/ajtmh.14-0494. Epub 2015 Jun 8. PMID: 26055736
239. Pac L, Horwitz MM, Namutebi AM, Auerbach BJ, Semeere A, Namulema T, Schwarz M, Bbosa R, Muruta A, Meya DB, Manabe YC. Implementation and operational research: Integrated pre-antiretroviral therapy screening and treatment for tuberculosis and cryptococcal antigenemia. *J Acquir Immune Defic Syndr*. 2015 Apr 15;68(5):e69-76. doi: 10.1097/QAI.0000000000000527. PubMed PMID: 25761234; PubMed Central PMCID: PMC4357272.
240. Peter Wasswa, Christine K Nalwadda, Esther Buregyeya, Sheba N.Gitta, Patrick Anguzu and Fred Nuwaha. Implementation of infection control in health facilities in Arua district Uganda: a cross sectional study. *BMC Infectious Diseases* 2015, 15:268 doi:10.1186/s12879-015-0999-4. <http://www.biomedcentral.com/1471-2334/15/268>
241. Petersen ML, Tran L, Geng EH, Reynolds SJ, Kambugu A, Wood R, Bangsberg DR, Yiannoutsos CT, Deeks SG, Martin JN. Delayed switch of antiretroviral therapy after virologic failure associated with elevated mortality among HIV-infected adults in Africa. *AIDS*. 2014 Sep 10;28(14):2097-107. PubMed PMID: 24977440; PubMed Central PMCID: PMC4317283.
242. Phoebe Mbabazi, Heidi Hopkins, Emmanuel Osilo, Michael Kalungu, Pauline Byakika-Kibwika, and Moses R. Kamya. Accuracy of two malaria rapid diagnostic tests (RDTs) for initial diagnosis and treatment monitoring in a high transmission setting in Uganda. *Am J Trop Med Hyg*, 2015. 92(3): p. 530-6. PMCID: 4350543
243. Piloya-Were T, Odongkara-Mpora B, Namusoke H, Idro R. Physical growth, puberty and hormones in adolescents with Nodding Syndrome; a pilot study. *BMC Res Notes*. 2014 Nov 28;7:858. doi: 10.1186/1756-0500-7-858.
244. R J Bailey, R K Baingana, I D Couper, C B Deery, D Nestel, H Ross, A S Sagay, Z M Talib. Evaluating community-based medical education programmes in Africa: A workshop report. *Afr J Health Professions Educ* 2015;7(1 Suppl 1):140-144. DOI:10.7196/AJHPE.475
245. Rana Y, Haberer J, Huang H, Kambugu A, Mukasa B, Thirumurthy H, Wabukala P, Wagner GJ, Linnemayr S. Short Message Service (SMS)-Based Intervention to Improve Treatment Adherence among HIV-Positive Youth in Uganda: Focus Group Findings. *PLoS One*. 2015 Apr 16;10(4):e0125187. doi: 10.1371/journal.pone.0125187. eCollection 2015. PubMed PMID: 25881059; PubMed Central PMCID: PMC4400100.
246. Redd AD, Newell K, Patel EU, Nalugoda F, Ssebbowa P, Kalibbala S, Frank MA, Tobian AA, Gray RH, Quinn TC, Serwadda D, Reynolds SJ. Decreased monocyte activation with daily acyclovir use in HIV-1/HSV-2 coinfecting women. *Sex Transm Infect*. 2015 Apr 22. pii: sextrans-2014-051867. doi: 10.1136/sextrans-2014-051867. [Epub ahead of print] PMID: 25904747
247. Revill PA, Walker S, Mabugu T, Nathoo KJ, Mugenyi P, Kekitinwa A, Munderi P, Bwakura-Dangarembizi M, Musiime V, Bakeera-Kitaka S, Nahirya-Ntege P, Walker AS, Sculpher MJ, Gibb DM. Opportunities for improving the efficiency of paediatric HIV treatment programmes. *AIDS*. 2015 Jan 14;29(2):201-10. doi: 10.1097/QAD.0000000000000518. PubMed PMID: 25396263; PubMed Central PMCID: PMC4318642.

248. Rhein J, Boulware DR, Bahr NC. 1,3-β-D-glucan in cryptococcal meningitis. *Lancet Infect Dis*. 2015 Oct;15(10):1136-7. doi: 10.1016/S1473-3099(15)00306-0. Epub 2015 Sep 20. PubMed PMID: 26461948.
249. Rhoda K Wanyenze, Joseph KB Matovu, Moses R Kamya, Nazarius M Tumwesigye, Maria Nannyonga and Glenn J Wagner. 2015. Fertility desires and unmet need for family planning among HIV infected individuals in two HIV clinics with differing models of family planning service delivery. *BMC Women's Health* 2015, 15:5.
250. Richard Mangwi Ayiasi, Lynn Muhimbuura Atuyambe, Juliet Kiguli, Christopher Garimoi Orach, Patrick Kolsteren and Bart Criel; Use of mobile phone consultations during home visits by Community Health Workers for maternal and newborn care: community experiences from Masindi and Kiryandongo districts, Uganda. *BMC Public Health* (2015) 15:560 DOI 10.1186/s12889-015-1939-3, 2015;
251. Richard Muhindo, Joyce Nankumbi Okonya, Sara Groves, and Michelene Chenault; Predictors of Contraceptive Adherence among Women Seeking Family Planning Services at Reproductive Health Uganda, Mityana Branch. *International Journal of Population Research* Volume 2015, Article ID 574329,
252. Richard Muhindo, Joyce Nankumbi, Annet Nakalega; Predictors of couple HIV counselling and testing among adult residents of Bukomero sub-county, Kiboga district, rural Uganda *BMC Public Health*. *BMC Public Health*. 2015, 15:1171 DOI: 10.1186/s12889-015-2526 http://www.biomedcentral.com/1471-2458/15/1171
253. Ronald Kiguba, Paul Waako, Helen B. Ndagije, Charles Karamagi. Medication Error Disclosure and Attitudes to Reporting by Healthcare Professionals in a Sub-Saharan African Setting: A Survey in Uganda. *Drugs - Real World Outcomes* DOI 10.1007/s40801-015-0032-7
254. Rubaihayo J, Tumwesigye NM, Konde-Lule J 2015. Trends in prevalence of diarrhoea, Kaposi's sarcoma, bacterial pneumonia, malaria and geohelminths among HIV positive individuals in Uganda. *AIDS Res Ther*. 2015 Jun 13;12:20
255. Rubaihayo, J., Tumwesigye, N. M., Konde-Lule, J., Makumbi, F., Nakku, E. J., Wamani, H., & Etukoit, M. B. (2015). Trends and predictors of mortality among HIV positive patients in the era of highly active antiretroviral therapy in Uganda. *Infectious Disease Reports*, 7(3).
256. Ruiseñor-Escudero H, Familiar I, Nakasujja N, Bangirana P, Opoka R, Giordani B, & Boivin M (2015). Immunological correlates of behavioral problems in school-aged children living with HIV in Kayunga, Uganda. *Global Mental Health*, 2, null-null. doi: doi:10.1017/gmh.2015.7
257. S Ndira, D Ssebadduka, N Niyonzima, N Sewankambo, J Royall. Tackling malaria, village by village: a report on a concerted information intervention by medical students and the community in Mifumi, Eastern Uganda. *African Health Sciences* 14 (4), 882-888
258. Samuel Kizito, David Mukunya, Joyce Nakitende, Stella Nambasa, Adrian Nampogo, Robert Kalyesubula, Achilles Katamba and Nelson Sewankambo. Career intentions of final year medical students in Uganda after graduating: the burden of brain drain *BMC Medical Education* 2015, 15:122 doi: 10.1186/s12909-015-0396-0
259. Sander LD, Newell K, Ssebowa P, Serwadda D, Quinn TC, Gray RH, Wawer MJ, Mondo G, Reynolds S. Hypertension, cardiovascular risk factors and antihypertensive medication utilisation among HIV-infected individuals in Rakai, Uganda. *Trop Med Int Health*. 2015 Mar;20(3):391-6. doi: 10.1111/tmi.12443. Epub 2014 Dec 26. PMID: PMC4308448

260. Santelli J, Mathur S, Song X, Huang TJ, Wei Y, Lutalo T, Nalugoda F, Gray RH, Serwadda DM. Rising School Enrollment and Declining HIV and Pregnancy Risk Among Adolescents in Rakai District, Uganda, 1994-2013. *Glob Soc Welf*. 2015 Jun;2(2):87-103. PMID: 26075159
261. Schuyler AC, Edelstein ZR, Mathur S, Sekasanvu J, Nalugoda F, Gray R, Wawer MJ, Serwadda DM, Santelli JS. Mobility among youth in Rakai, Uganda: Trends, characteristics, and associations with behavioural risk factors for HIV. *Glob Public Health*. 2015 Aug 27:1-18. PMID: 26313708
262. Scriven JE, Rhein J, Hullsiek KH, von Hohenberg M, Linder G, Rolfes MA, Williams DA, Taseera K, Meya DB, Meintjes G, Boulware DR; COAT Team. Early ART after Cryptococcal Meningitis is associated with Cerebrospinal Fluid Pleocytosis and Macrophage Activation in a Multisite Randomized Trial. *J Infect Dis*. 2015 Feb 4. pii: jiv067. [Epub ahead of print] PubMed PMID: 25651842.
263. Sears D, Mpimbaza A, Kigozi R, Sserwanga A, Chang MA, Kapella BK, Yoon S, Kamya MR, Dorsey G, Ruel T. Quality of inpatient pediatric case management for four leading causes of child mortality at six government-run Ugandan hospitals. *PLoS One*. 2015 May 19;10(5):e0127192. doi: 10.1371/journal.pone.0127192. eCollection 2015. PubMed PMID: 25992620; PubMed Central PMCID: PMC4437786.
264. Seden K, Merry C, Hewson R, Siccardi M, Lamorde M, Byakika-Kibwika P, Laker E, Parkes-Ratanshi R, Back DJ, Khoo SH; Prevalence and type of drug-drug interactions involving ART in patients attending a specialist HIV outpatient clinic in Kampala, Uganda. *J Antimicrob Chemother*. 2015 Dec; 70(12):3317-22. doi: 10.1093/jac/dkv259. Epub 2015 Aug 18. PMID: 26286575
265. Semakula D, Nsangi A, Oxman AD, Sewankambo NK. Priority setting for resources to improve the understanding of information about claims of treatment effects in the mass media. *J Evid Based Med*. 2015 May;8(2):84-90. doi: 10.1111/jebm.12153.
266. Semitala FC, Chaisson LH, den Boon S, Walter N, Cattamanchi A, Awor M, Katende J, Huang L, Joloba M, Albert H, Kamya MR, Davis JL. Impact of mycobacterial culture among HIV-infected adults with presumed TB in Uganda: a prospective cohort study. *Public Health Action*. 2015 Jun 21;5(2):106-11. doi: 10.5588/pha.14.0096. Epub 2015 May 8. PubMed PMID: 26400379; PubMed Central PMCID: PMC4487479.
267. Sewankambo, N., et al., Enabling dynamic partnerships through joint degrees between low- and high-income countries for capacity development in global health research: experience from the Karolinska Institutet/ Makerere University partnership. *PLoS Med*, 2015. 12(2): p. e1001784.
268. Shabani E, Opoka RO, Idro R, Schmidt R, Park GS, Bangirana P, Vercellotti GM, Hodges JS, Widness JA & John CC. (2015). High plasma erythropoietin levels are associated with prolonged coma duration and increased mortality in children with cerebral malaria. *Clinical Infectious Diseases*, 60(1):27-35.
269. Sileo KM, Wanyenze RK, Lule H, Kiene SM. Determinants of family planning service uptake and use of contraceptives among postpartum women in rural Uganda. *Int J Public Health*. 2015; 60(8):987-97.
270. Singh D, Negin J, Otim M, Orach CG, Cumming R. The effect of payment and incentives on motivation and focus of community health workers: five case studies from low- and middle-income countries. *Hum Resour Health*. 2015 Jul 14; 13:58. doi: 10.1186/s12960-015-0051-1.
271. Sitrin, D., et al., Improving newborn care practices through home visits: lessons from Malawi, Nepal, Bangladesh, and Uganda. *Glob Health Action*, 2015. 8: p. 23963.

272. Sophie Namasopo-Oleja M, Danstan Bagenda and Elizabeth Ekirapa-Kiracho; Factors affecting disclosure of serostatus to children attending Jinja Hospital Paediatric HIV Clinic, Uganda. *African health sciences* 06/2015; 15(2):344-51. DOI:10.4314/ahs.v15i2.6
273. Spies LA, Gray J, Opollo J, Mbalinda S. Uganda nursing research agenda: a Delphi study. *Int Nurs Rev.* 2015 Jun;62(2):180-6. doi: 10.1111/inr.12167. Epub 2015 Jan 12.
274. Ssengooba W, Cobelens FG, Nakiyingi L, Mboowa G, Armstrong DT, Manabe YC, Joloba ML, de Jong BC. High Genotypic Discordance of Concurrent Mycobacterium tuberculosis Isolates from Sputum and Blood of HIV-Infected Individuals. *PLoS One.* 2015 Jul 15;10(7):e0132581. doi: 10.1371/journal.pone.0132581. eCollection 2015. PubMed PMID: 26176604; PubMed Central PMCID: PMC4503667
275. Sserwanga A, Sears D, Kapella BK, Kigozi R, Rubahika D, Staedke SG, Kamya M, Yoon SS, Chang MA, Dorsey G, Mpimbaza A. Anti-malarial prescription practices among children admitted to six public hospitals in Uganda from 2011 to 2013. *Malar J.* 2015 Aug 27;14:331. doi: 10.1186/s12936-015-0851-8. PubMed PMID: 26306395; PubMed Central PMCID: PMC4549911.
276. Sundell K, Jagannathan P, Huang L, Bigira V, Kapisi J, Kakuru MM, Savic R, Kamya MR, Dorsey G, Aweeka F. Variable piperazine exposure significantly impacts protective efficacy of monthly dihydroartemisinin-piperazine for the prevention of malaria in Ugandan children. *Malar J.* 2015 Sep 24;14(1):368. doi: 10.1186/s12936-015-0908-8. PubMed PMID: 26403465; PubMed Central PMCID: PMC4582734.
277. Suzanne N Kiwanuka · Moses Tetui · Asha George · Angela N Kisakye · David R Walugembe · Elizabeth Ekirapa Kiracho; What Lessons for Sustainability of Maternal Health Interventions Can Be Drawn from Rural Water And Sanitation Projects? Perspectives from Eastern Uganda. *Journal of Management and Sustainability* 05/2015; 5(2). DOI: 10.5539/jms.v5n2p97.
278. Tashobya, CK. Dubourg, D, Ssengooba, F. Niko Speybroeck, Jean Macq, and Bart Criel (2015) A comparison of hierarchical cluster analysis and league table rankings as methods for analysis and presentation of district health system performance data in Uganda Health Policy Plan. first published online May 28, 2015 doi:10.1093/heapol/czv045
279. Timsa, L., Marrone, G., Ekirapa, E., & Waiswa, P. (2015). Strategies for helping families prepare for birth: experiences from eastern central Uganda. *Global Health Action*, 21(31), 37.
280. Tobian AA, Kigozi G, Manucci J, Grabowski MK, Serwadda D, Musoke R, Redd AD, Nalugoda F, Reynolds SJ, Kigoma N, Laeyendecker O, Lessler J, Gray RH, Quinn TC, Wawer MJ; Rakai Health Sciences Program. HIV Shedding from Male Circumcision Wounds in HIV-Infected Men: A Prospective Cohort Study. *PLoS Med.* 2015 Apr 28;12(4):e1001820. doi: 10.1371/journal.pmed.1001820. eCollection 2015. PMID: 25919012
281. Tuhebwe D, Bagonza J, Kiracho EE, Yeka A, Elliott AM, Nuwaha F. Uptake of mass drug administration programme for schistosomiasis control in Koome Islands, Central Uganda. *PLoS One.* 2015 Apr 1;10(4):e0123673. doi: 10.1371/journal.pone.0123673. eCollection 2015. PubMed PMID: 25830917; PubMed Central PMCID: PMC4382187.
282. Tumukunde, J., Lomangisi, D. D., Davidson, O., Kintu, A., Joseph, E., & Kwizera, A. (2015). Effects of propofol versus thiopental on Apgar scores in newborns and peri-operative outcomes of women undergoing emergency cesarean section: a randomized clinical trial. *BMC anesthesiology*, 15(1), 63.

283. Tumwebaze P, Conrad MD, Walakira A, LeClair N, Byaruhanga O, Nakazibwe C, Kozak B, Bloome J, Okiring J, Kakuru A, Bigira V, Kapisi J, Legac J, Gut J, Cooper RA, Kamya MR, Havlir DV, Dorsey G, Greenhouse B, Nsobya SL, Rosenthal PJ. Impact of antimalarial treatment and chemoprevention on the drug sensitivity of malaria parasites isolated from ugandan children. *Antimicrob Agents Chemother*. 2015 Jun;59(6):3018-30. doi: 10.1128/AAC.05141-14. Epub 2015 Mar 9. PubMed PMID: 25753626; PubMed Central PMCID: PMC4432194.
284. Tumwesigye, N. M., Amandua, J., Lubogo, D., & Masembe, V. (2015). A 24-Hour Walk Through Mulago National Referral Hospital, Uganda: What Kind of In-Patients Do You See?. In *Brain Degeneration and Dementia in Sub-Saharan Africa* (pp. 33-45). Springer New York.
285. Tumwine JK. From Ebola in the slums of East and West Africa to NCDs, mental, child and reproductive health. *Afr Health Sci*. 2015 Mar;15(1):i-iii.
286. Tumwine JK. Infectious diseases and chronic care in Africa. *Afr Health Sci*. 2015 Jun;15(2):v-vii. doi: 10.4314/ahs.v15i2.2.
287. Turiho, A. K., Muhwezi, W. W., Okello, E. S., Tumwesigye, N. M., Banura, C., & Katahoire, A. R. (2015). Human Papillomavirus (HPV) Vaccination and Adolescent Girls' Knowledge and Sexuality in Western Uganda: A Comparative Cross-Sectional Study. *PLoS one*, 10(9), e0137094.
288. Turiho, A. K., Okello, E. S., Muhwezi, W. W., Nakasujja, N., & Katahoire, A. R. (2015). Psychological reactions of adolescent schoolgirls to human papillomavirus vaccination in western Uganda: A comparative cross-sectional study. *Health Psychology Open*, 2(2), 2055102915602910.
289. Twinomujuni C, Nuwaha F, Babirye JN. Understanding the Low Level of Cervical Cancer Screening in Masaka Uganda Using the ASE Model: A Community-Based Survey. *PLoS One*. 2015 Jun 1;10(6):e0128498. doi: 10.1371/journal.pone.0128498. eCollection 2015.
290. Van Gemert F, Kirenga B, Chavannes N, Kamya M, Luzige S, Musinguzi P, Turyagaruka J, Jones R, Tsiligianni I, Williams S, de Jong C, van der Molen T. Prevalence of chronic obstructive pulmonary disease and associated risk factors in Uganda (FRESH AIR Uganda): a prospective cross-sectional observational study. *Lancet Glob Health*. 2015 Jan;3(1):e44-51. doi: 10.1016/S2214-109X(14)70337-7. PubMed PMID: 25539969
291. Wagman JA, Gray RH, Campbell JC, Thoma M, Ndyababo A, Ssekasanvu J, Nalugoda F, Kagaayi J, Nakigozi G, Serwadda D, Brahmbhatt H. Effectiveness of an integrated intimate partner violence and HIV prevention intervention in Rakai, Uganda: analysis of an intervention in an existing cluster randomised cohort. *Lancet Glob Health*. 2015 Jan;3(1):e23-33. doi: 10.1016/S2214-109X(14)70344-4. Epub 2014 Nov 28. PMID: 25539966
292. Wagman JA, King EJ, Namatovu F, Kiwanuka D, Kairania R, Semanda JB, Nalugoda F, Serwadda D, Wawer MJ, Gray R, Brahmbhatt H. Combined Intimate Partner Violence and HIV/AIDS Prevention in Rural Uganda: Design of the SHARE Intervention Strategy. *Health Care Women Int*. 2015 Jun 18:1-24. [Epub ahead of print]. PMID: 26086189
293. Wagner GJ, Goggin K, Mindry D, Beyeza-Kashesya J, Finocchiaro-Kessler S, Woldetsadik MA, Khanakwa S, Wanyenze RK. Correlates of Use of Timed Unprotected Intercourse to Reduce Horizontal Transmission among Ugandan HIV Clients with Fertility Intentions. *AIDS Behav*. 2015; 19(6):1078-88.
294. Waiswa, P., Akuze, J., Peterson, S., Kerber, K., Tetui, M., Forsberg, B. C., & Hanson, C. (2015). Differences in essential newborn care at birth between private and public health facilities in eastern Uganda. *Global health action*, 8.

295. Waiswa, P., Namazzi, G., Kerber, K., & Peterson, S. (2015). Designing for action: adapting and implementing a community-based newborn care package to affect national change in Uganda. *Global health action*, 8.
296. Waiswa, P., Pariyo, G., Kallander, K., Akuze, J., Namazzi, G., Ekirapa-Kiracho, E., ... & Uganda Newborn Study Team. (2015). Effect of the Uganda Newborn Study on care-seeking and care practices: a cluster-randomised controlled trial. *Global health action*, 8.
297. Waiswa, P., Productive global health research from Africa: it takes more. *Int J Public Health*, 2015. 60(7): p. 755-6.
298. Walter ND, Dolganov GM, Garcia BJ, Worodria W, Andama A, Musisi E, Ayakaka I, Van TT, Voskuil MI, de Jong BC, Davidson RM, Fingerlin TE, Kechris K, Palmer C, Nahid P, Daley CL, Geraci M, Huang L, Cattamanchi A, Strong M, Schoolnik GK, Davis JL. Transcriptional adaptation of drug-tolerant *Mycobacterium tuberculosis* during treatment of human tuberculosis. *J Infect Dis*. 2015 Mar 11. pii: jiv149. [Epub ahead of print] PubMed PMID: 25762787.
299. Walugembe DR, Kiwanuka SN, Matovu JK, Rutebemberwa E, Reichenbach L. Utilization of research findings for health policy making and practice: evidence from three case studies in Bangladesh. *Health Res Policy Syst*. 2015; 13: 26.
300. Wandera B, Tumwesigye NM, Nankabirwa JI, Kambugu AD, Parkes-Ratanshi R, Mafigiri DK, Kapiga S, Sethi AK. Alcohol Consumption among HIV-Infected Persons in a Large Urban HIV Clinic in Kampala Uganda: A Constellation of Harmful Behaviors. *PLoS One*. 2015 May 11;10(5):e0126236. doi: 10.1371/journal.pone.0126236. eCollection 2015. PubMed PMID: 25962171.
301. Wanyenze RK, Matovu JK, Kanya MR, Tumwesigye NM, Nannyonga M, Wagner GJ. Fertility desires and unmet need for family planning among HIV infected individuals in two HIV clinics with differing models of family planning service delivery. *BMC Womens Health*. 2015 Jan 28;15:5. doi: 10.1186/s12905-014-0158-x. PubMed PMID: 25627072; PubMed Central PMCID: PMC4320597.
302. Wanzirah H, Tusting LS, Arinaitwe E, Katureebe A, Maxwell K, Rek J, Bottomley C, Staedke SG, Kanya M, Dorsey G, Lindsay SW. Mind the gap: house structure and the risk of malaria in Uganda. *PLoS One*. 2015 Jan 30;10(1):e0117396. doi: 10.1371/journal.pone.0117396. eCollection 2015. PubMed PMID: 25635688; PubMed Central PMCID: PMC4311957.
303. Washington L, Galukande M, Makumbi T, Fualal OJ. Iodine excess as a risk factor for goiter formation in a sub-Saharan tertiary hospital: a case control study. *Annals of African Surgery* January 2015; 12(1): 9-13
304. Wasswa P, Nalwadda CK, Buregyeya E, Gitta SN, Anguzu P, Nuwaha F. Implementation of infection control in health facilities in Arua district, Uganda: a cross-sectional study *BMC Infect Dis*. 2015 Jul 14;15:268. doi: 10.1186/s12879-015-0999-4.
305. Williams D, Kiiza T, Kwizera R, Kiggundu R, Velamakanni S, Meya DB, Rhein J, Boulware DR. Evaluation of Fingerstick Cryptococcal Antigen Lateral Flow Assay in HIV-Infected Persons: a Diagnostic Accuracy Study. *Clin Infect Dis*. 2015 Apr 1. pii: civ263. [Epub ahead of print] PubMed PMID: 25838287.
306. Woldetsadik MA, Goggin K, Staggs VS, Wanyenze RK, Beyeza-Kashesya J, Mindry D, Finocchiaro-Kessler S, Khanakwa S, Wagner GJ. Safer Conception Methods and Counseling: Psychometric Evaluation of New Measures of Attitudes and Beliefs among HIV Clients and Providers. *AIDS Behav*. 2015 Oct 20. [Epub ahead of print]

307. Xavier Nsabagasani, Ebba Hansen, Anthony Mbonye, Freddie Ssengooba, Herbert Muyinda, James Mugisha, and Jasper Ogwal-Okeng. Child-appropriate dosage formulations from the global to national level in the context of Uganda: a qualitative study. *Journal of Pharmaceutical Policy and Practice* (2015)8:19
308. Xavier Nsabagasani, Jasper Ogwal-Okeng, Anthony Mbonye, Freddie Ssengooba, Rebecca Nantanda, Herbert Muyinda and Ebba Holme Hansen. The “child size medicines” concept: policy provisions in Uganda. *Journal of Pharmaceutical Policy and Practice* 2015; 8:2
309. Yap, P., et al., Call for reviews on global health challenges. *Int J Public Health*, 2015. 60(7): p.753-4.
310. Yeka A, Kigozi R, Conrad MD, Lugemwa M, Okui P, Katureebe C, Belay K, Kapella BK, Chang MA, Kamya MR, Staedke SG, Dorsey G, Rosenthal PJ. Artesunate/amodiaquine versus artemether/lumefantrine for the treatment of uncomplicated malaria in Uganda: a randomized trial. *J Infect Dis*. 2015 Nov 23. pii: jiv551. [Epub ahead of print] PubMed PMID: 26597254.
311. Yeka A, Lameyre V, Afizi K, Fredrick M, Lukwago R, Kamya MR, Talisuna AO. Efficacy and safety of fixed-dose artesunate-amodiaquine vs. artemether-lumefantrine for repeated treatment of uncomplicated malaria in Ugandan children. *PLoS One*. 2014 Dec 1;9(12):e113311. doi: 10.1371/journal.pone.0113311. eCollection 2014. PubMed PMID: 25436614; PubMed Central PMCID: PMC4249977.
312. Yeka A, Nankabirwa J, Mpimbaza A, Kigozi R, Arinaitwe E, Drakeley C, Greenhouse B, Kamya MR, Dorsey G, Staedke SG. Factors associated with malaria parasitemia, anemia and serological responses in a spectrum of epidemiological settings in Uganda. *PLoS One*. 2015 Mar 13;10(3):e0118901. doi: 10.1371/journal.pone.0118901. eCollection 2015. PubMed PMID: 25768015; PubMed Central PMCID: PMC4358889.
313. Yoshida, S., et al., Setting research priorities to improve global newborn health and prevent stillbirths by 2025. *J Glob Health*, 2016. 6(1): p. 010508.
314. Zinszer K, Kigozi R, Charland K, Dorsey G, Brewer TF, Brownstein JS, Kamya MR, Buckeridge DL. Forecasting malaria in a highly endemic country using environmental and clinical predictors. *Malar J*. 2015 Jun 18;14:245. doi: 10.1186/s12936-015-0758-4. PubMed PMID: 26081838; PubMed Central PMCID: PMC4470343.
315. Zohray M Talib, Elsie Kiguli-Malwadde, Hannah Wohltjen, Miliard Derbew, Yakub Mulla, David Olaleye and Nelson Sewankambo. Transforming Health Professions Education through In-Country Collaboration: Examining the consortia between African medical schools catalyzed by the Medical Education Partnership Initiative. *Hum Resour Health*. 2015 Jan 14; 13:1. doi: 10.1186/1478-4491-13-1.

Book chapters:

1. Tumwesigye, N. M., Amandua, J., Lubogo, D., & Masembe, V. (2015). A 24-Hour Walk Through Mulago National Referral Hospital, Uganda: What Kind of In-Patients Do You See? In *Brain Degeneration and Dementia in Sub-Saharan Africa* (pp. 33-45). Springer New York.
2. Philip Rosenthal, Moses R. Kamya, “Malaria” Chapter 345 in *CECIL MEDICINE 25*, (Cecil website: <http://emss.elsevier.com>). Twenty-Fifth Edition edited by Lee Goldman, MD, MPH and Andrew I. Schafer, MD. Saunders, an imprint of Elsevier Inc. Copyright 2016
3. Bangirana P. Cognitive Outcome of malaria and HIV infection in children in Sub-saharan Africa. In: Musisi S, Jacobson S, editors. *Brain Degeneration and Dementia in Sub –Saharan Africa*: Springer New York; 2015. P. 165-181

4. Unshackling sexuality: representation of women and their dress code in the Ugandan Press, Book Chapter Ed. D. Higginbotham, Cape Town, Amanda Tumusiime and Juliet Kiguli, 2015

College of Business and Management Sciences

1. Barriers to male involvement in contraceptive uptake and reproductive health services: a qualitative study of men and women's perceptions in two rural districts in Uganda: the launch of Reproductive Health. Co-authors: Allen Kabagenyi, Larissa Jennings, Alice Reid, Gorette Nalwadda, James Ntozi and Lynn Atuyambe
Reproductive Health, 11:21 (05 Mar 2014) <http://www.reproductive-health-journal.com/content/11/1/21>
2. Factors associated with modern contraceptive use among young and older women in Uganda; a comparative analysis. BMC Public Health. 2014. Co-authors: John Bosco Asiimwe, Patricia Ndugga, John Mushomi.
3. On Statistical Definition of Free and Fair Election: Bivariate Normal Distribution Model" has been published in the International Journal of Mathematical Research 2014 3(5) Pp49-62. Co-authors: Ronald Wesonga, Fabian Nabugoomu, Abraham Owino, Leonard Atuhairi, Agnes Sekiboobo, Tom Makumbi, Peter Johapio & Bruno Ocaya.
4. Prevalence and correlates of disability among older Ugandans: evidence from the Uganda National Household Survey. Global Health Action. 2014. Co-authors: Steven O. Wandera and Bet Kwagala.
5. Loneliness in Uganda: examining social, economic and demographic risk factors. Age and Society, Cambridge University Press 2015. Co-authors: Abel Nzabona & Gideon Rutaremwa.
6. Determinants of access to healthcare by older persons in Uganda: A cross-sectional study. International Journal for Equity in Health, 2015. Co-authors: Stephen O. Wandera and Betty Kwagala.
7. Prevalence and risk factors for self-reported Non-Communicable Diseases among older Ugandans: A cross-sectional study. In Global Health Action 2015. Co-authors: Stephen O. Wandera and Betty Kwagala.
8. Factors associated with self-reported ill health among older Ugandans: A cross-sectional study. Archives of Gerontology and Geriatrics, Vol. XXX (2015) XXX-XXX. Co-authors: Stephen O. Wandera and Betty Kwagala.
9. Statistical training in Africa: a case of teaching demographic statistics. In the Proceedings of the 60th World Statistics Congress held in Rio de Janeiro, Brazil from 26th to 31st July 2015.
10. Has Uganda experienced any stalled fertility transition? Reflecting on the last four decades (1973-2011). In Fertility Research and Practice, 2015. Coauthors: Allen Kabagenyi, Alice Reid, Gideon Rutaremwa and Lynn Atuyambe.

Book Chapter

1. Yawe, B. L. and J. K. E Mubazi (June, 2015). "Quantitative data analysis: descriptive statistics" In C. I. O. Okeke and M. M. van Wyk (Editors) Educational Research: An African approach. (Chapter 22). Cape Town: Oxford University Press Southern Africa. ISBN: 9780190409135, e-pub ISBN: 9780199047871 Extent: 672 pages; pp. 390-412.

Monograph

ECONOMICS: Demand, Supply, the Market, and Business, Kampala, Uganda, Summer, 2015.

GOLAZ, V., WANDERA, S. O., & RUTAREMWA, G. (2015). Understanding the vulnerability of older adults: extent of and breaches in support systems in Uganda. *Ageing and Society*, 1–27. doi:10.1017/S0144686X15001051

Kabagenyi, A., Reid, A., Rutaremwa, G., Atuyambe, L. M., & Ntozi, J. P. M. (2015). Has Uganda experienced any stalled fertility transitions? Reflecting on the last four decades (1973–2011). *Fertility Research and Practice*, 1(1), 14. doi:10.1186/s40738-015-0006-1

NZABONA, A., NTOZI, J., & RUTAREMWA, G. (2015). Loneliness among older persons in Uganda: examining social, economic and demographic risk factors. *Ageing and Society*, 1–29. doi:10.1017/S0144686X15000112

Rutaremw, G., Galande, J., Nviiri, H. L., Akiror, E., & Jhamba, T. (2015). The contribution of contraception, marriage and postpartum insusceptibility to fertility levels in Uganda: an application of the aggregate fertility model. *Fertility Research and Practice*, 1(1), 16. doi:10.1186/s40738-015-0009-y

Rutaremw, G., Kabagenyi, A., Wandera, S. O., Jhamba, T., Akiror, E., & Nviiri, H. L. (2015). Predictors of modern contraceptive use during the postpartum period among women in Uganda: a population-based cross sectional study. *BMC Public Health*, 15(1), 262. DOI 10.1186/s12889-015-1611-y

Rutaremw, G., Wandera, S. O., Jhamba, T., Akiror, E., & Kiconco, A. (2015). Determinants of maternal health services utilization in Uganda. *BMC Health Services Research*, 1–8. doi:10.1186/s12913-015-0943-8

College of Veterinary Medicine, Animal Resources and Biosecurity

1. Denis Muhangi, Charles Masembe, Ulf Emanuelson, Sofia Boqvist, Lawrence Mayega, Rose Okurut Ademun, Richard P. Bishop, Michael Ocaido, Mikael Berg, Karl Ståhl. "A longitudinal survey of African swine fever in Uganda reveals high apparent disease incidence rates in domestic pigs, but absence of detectable persistent virus infections in blood and serum." *BMC Veterinary Research* 11, doi: Artn 106 10.1186/S12917-015-0426-5
2. D Kahwa, J Rutaisire & H Kaiser. The use of clove oil to induce anaesthesia, and its effects on blood chemistry, in *Lates niloticus* from Lake Victoria, Uganda, 23rd Nov 2015 <http://dx.doi.org/10.2989/16085914.2015.1102121>
3. Eddie M. Wampande, Ezekiel Mupere, Devan Jaganath, Mary Nsereko, Harriet k. Mayanja, Kathleen Eisencach, W. Hery Boom, Sebastien Gagneux, Moses L. Joloba. "Distribution and transmission of Mycobacterium tuberculosis complex lineages among children in peri-urban Kampala, Uganda"; *Tuberculosis Research Unit, BMC Infectious Diseases, Open Access*; 2015
4. Eddie M Wampande, Ezekiel Mupere, Stavroula K Hatzios, Beatrice Achan, Mary Nsereko, Harriet K Mayanja, Kathleen Eisenach, Gilla Kaplan, Henry W Boom, Sebastian Gagneux, Moses L. Joloba, "A Single-nucleotide-polymorphism real-time PCR assay for genotyping of Mycobacterium tuberculosis complex in peri-urban Kampala" *BMC Infectious Diseases, Open Access*; 2015

College of Education and External Studies

Electronic Book

Sven, Å. B., Lazareva, A., Mayende, G., Nampijja, D., & Isabwe, G. M. N. (2015). Together we can. Team and online collaborative work.

Retrieved from <http://grimstad.uia.no/puls/Groupwork/main.htm>

BOOK CHAPTER

1. Ssebbunga-Masembe, C., Mugimu, C. B., Mugagga, A., & Backman, S. (2015). Language-in-Education Policies in Africa: Perspectives, Practices, and Implications. In *Indigenous Education* (pp. 171-186). Springer Netherlands.
2. Muyinda, P. B., Mayende, G., & Kizito, J. (2015). Requirements for a Seamless Collaborative and Cooperative MLearning System. In *Seamless Learning in the Age of Mobile Connectivity* (pp. 201-222). Springer Singapore.
3. Mayende, G., Muyinda, P. B., Prinz, A., Isabwe, G. M. N., & Nampijja, D. (2015). Online Learning Needs Assessment in Uganda. Digital media, tools, and approaches in teaching and their added value. In Press: Waxmann Publishers.
4. Walimbwa, M. (2015). Supporting Student Engagement in E-learning in a Resource-Constrained Institution. *International Handbook of E-Learning Volume 2: Implementation and Case Studies*, 335.
5. Neema-Abooki, P., & Bisirikirwa, I. (2015). Supervision of Research at Makerere University: Perspective at the College of Education and External Studies Cases on Leadership in Adult Education, 263. IGI Global
6. Bakkabulindi, F. E. K. (2015a). How do we know that our teaching works? Epilogue in S. Oni (Ed.), *Making education work in Africa*. Indianapolis, US: Dog Ear.
7. Bakkabulindi, F. E. K. (2015b). Positivism: Distinguishing characteristics, criteria for choice, and methodology. In C. I. O. Okeke, & M. M. van Wyk (Eds.), *Educational research: An African approach* (pp. 19 - 38). Cape Town, South Africa: Oxford University Press, Southern Africa. <http://www.oxford.co.za>
8. Bakkabulindi, F. E. K. (2015c). Quantitative data analysis: Inferential Statistics. In C. I. O. Okeke, & M. M. van Wyk (Eds.), *Educational research: An African approach* (pp. 413 - 433). Cape Town, South Africa: Oxford University Press, Southern Africa. <http://www.oxford.co.za>.
9. Bakkabulindi, F. E. K. (2015d). Relevance of university education in Uganda. In S. Oni (Ed.), *Making education work in Africa*. Indianapolis, US: Dog Ear.

JOURNAL ARTICLE

10. Busingye, J. D., & Najjuma, R. (2015). DO LEARNING AND TEACHING MATERIALS INFLUENCE LEARNING OUTCOMES AMIDST HIGH ENROLMENTS? LESSONS FROM UGANDA'S UNIVERSAL PRIMARY EDUCATION. *Africa Education Review*, 12(1), 109-126.
11. Kabugo, D., Masagazi, M. F., & Mugagga, A. M. (2015). A Discourse Analysis of Teacher-Trainees' Abstract Conceptualizations of Emerging Technologies in Teaching to Revitalise Luganda Language. *Journal of Learning for Development-JL4D*, 2(3).
12. Masagazi, M. F. (2015). Developing a Friendly and Productive Language Learning Environment (FPLE) Using the Learner as a Resource. *Journal of Education and Training Studies*, 3(5).
13. Masagazi, M. F. (2015). Instruction in Luganda and Assessment in English: The Case of Teaching Practice at Makerere University. *International Journal of Humanities and Social Science*, 5(8).
14. Masagazi, M. F., Sentanda M., Ngaka.W. (2015). Mother Tongue Education Policy in Uganda. Three Academics Weigh on Government's commitment to the Development and Implementation of the Policy in Post 2015 Era. *Journal of Applied Linguistics*.

15. Masagazi, M. F., (2015). Diminishing Communicative Competencies Among University Students to Use African Proverbs in their Daily Discourse: A Luganda Language Experience. *International Journal of Education and Research*, 3(8), 335-348
16. Kabugo, D., Muyinda, P. B., Masagazi, M. F., (2015) Scaffolding Teacher Trainees' Reflective Observations About Utilizing Emerging Technologies in Teaching Luganda Language, ICERI2015 Proceedings 838-851.
17. Nalugwa, A., Nuwaha, F., Tukahebwa, E. M., & Olsen, A. (2015). Single Versus Double Dose Praziquantel Comparison on Efficacy and Schistosoma mansoni Re-Infection in Preschool-Age Children in Uganda: A Randomized Controlled Trial.
18. Opolot-Okurut, C., & Bekolle, D. (2015). Mathematical problem-solving processes of male and female secondary students in government and private schools on non-routine tasks.
19. Kagoda, A. M., & Sentongo, J. (2015). Practicing Teachers' Perceptions of Teacher Trainees: Implications for Teacher Education. *Universal Journal of Educational Research*, 3(2), 148-153.
20. Mulumba, M. B. (2015) Reflections on the Attempted Annihilation of African Indigenous Languages: A Case of Uganda's Education Reform. *International Journal of Education and Research*, 3(1), 587-600
21. Tamale, M. B., Kasujja, J. P., & Nakabuye, M. P. (2015). Internal migrations, multiparty politics and elections on the political development of Uganda: the case of kampala District. *Direct Research Journal of Social Science and Educational Studies (DRJSSES)* 2 (2), 26-37.
22. Ngaka, W., & Masagazi M. F. (2015) Participatory Literacy Learning in an African Context: Perspectives from the Ombaderuku Primary School in the Arua District, Uganda. *Journal of Language and Literacy Education*. II(I) 88-109
23. Sebbowa, D., Ng'ambi, D., & Brown, C. (2015). Using Wikis to teach History Education to 21st Century Learners: A Hermeneutic perspective. *Critical Studies in Teaching and Learning (CriSTaL)*, 2(2).
24. Sekiziwiv, S., & Mugimu, C. B. (2015). Relationship between Learners' German Language Communicative Abilities and Their Prior Performance in a National Ugandan Certificate Examination. *Journal of Language Teaching and Research*, 6(1), 43-52.
25. Sekiwu, D., Kabanda, M., Naluwemba, E. F., & Kagwa, V. T. (2015). Relationship between Risk Assessment and Compliance to Health and Safety in Ugandan Secondary Schools.
26. Nabayego, C., & Itaaga, N. (2015). How University Education in Uganda Can Be Improved To Prepare Economically Productive Graduates. *Asian Journal of Social Sciences and Management Studies*, 1(2), 62-70.
27. Nabayego, C., Muhammad K., Itaaga N, Mugagga M.A, (2015). Informal Product-Based Training as a Strategy for Nurturing Patriotism for Uganda's Development Through University Education. *World Journal of Educational Research and Reviews* Vol. 2(1), pp. 011-023, September, 2015. © www.premierpublishers.org, ISSN: 2326-7221
28. Kimoga, J., Mugisa, P., Bbaale, B., Kabaliisa, A., Ochandi, B., & Okurut, M. (2015) Retention and Gender Equity: Female Experiences on Graduate Evening Programmes. *British Journal of Education, Society & Behavioural Science* 10(3) 1-13.

29. Kimoga, J., Babirye, M., Musana, J., Kakande, A., Abonyo, C., Oilar, C., & Muhumuza, P. (2015). Equity and Equality: The Poor and Higher Education Accessibility. *British Journal of Education, Society & Behavioural Science*, 10(3), 1-16
30. Kimoga, J., Kibuuka, E., Namuli, P., Namuwaya, E., & Nadongo, G. M. (2015) Refugees and Higher Education Accessibility: Issues of Policy and Law. *British Journal of Education, Society & Behavioural Science* 10(1) 1- 13
31. Bakkabulindi, F. E. K., Mugagga, A. M., Shopi, J. M., & Kabasiita, J. (2015). Application of the Unified Theory of Acceptance and Use of Technology to the use of ICT by undergraduates in the School of Education, Makerere University. *African Higher Educational Review*, 9 (1 & 2), 3 - 17. The Journal is at: <https://www.coe.unt.edu/african-higher-education-review>
32. Mugizi, W., Bakkabulindi, F. E. K., & Bisaso, R. (2015a). A framework for the study of employee commitment. *Makerere Journal of Higher Education*, 7 (2)
33. Mugizi, W., Bakkabulindi, F. E. K., & Bisaso, R. (2015b). Antecedents of commitment of academic staff in Uganda: A conceptual paper. *Nkumba Business Journal*, 14

CONFERENCE PAPERS

34. Bakkabulindi, F. E. K., & Ndibuuza, F. (2015). Scholars of the dotcom era? The use of ICT by undergraduate students in Uganda Martyrs University, Uganda. In D. Nwaozuzu, & S. Mnisi (Eds.), *South Africa International Conference on Educational Technologies*, 19 – 21 April 2015 on the theme, “educational technologies in the 21st Century” (pp. 77 – 86). Pretoria, South Africa: African Academic Research Forum.
35. Mugizi, W., Bakkabulindi, F. E. K., & Bisaso, R. (2015). Antecedents of commitment of academic staff in universities in Uganda: A conceptual paper. Paper read at the four-day Kabarak University 5th Annual International Conference, under the theme, “Research, innovation for sustainable development and a secure world”, held at Kabarak University main Campus, Nakuru, Kenya, July 14 to 17, 2015.
36. Walimbwa, Michael and Paul Birevu Muyinda (2015). Emerging Technologies Redesigning the Distance Learning Environment at Makerere University. Presented at the Emerging Technologies and Authentic Learning Conference 2015 in Cape Town.
37. Bakkabulindi, F. E. K., & Mpirirwe, R. (2015). Individual characteristics affecting the adoption of electronic banking services by graduate students in Makerere University. Paper read at the five-day International Conference on Governance and Service Delivery in Developing Countries, organised by the Uganda Management Institute (UMI), held in Kampala, Uganda, August 24 to 28, 2015.
38. Mugizi, W., Bakkabulindi, F. E. K., & Bisaso, R. (2015). A framework for the study of employee commitment. Paper read at the two-day Makerere University International Research & Innovations Dissemination Conference, under the theme, “Community transformation through research, innovations & knowledge translation”, organised by the Directorate of Research & Graduate Training (DRGT), Makerere University (Mak), held at Hotel Africana, Kampala, Uganda, April 20 to 21, 2015.
39. Mayende, G., Isabwe, G. M. N., Muyinda, P. B., & Prinz, A. (2015). Peer Assessment Based Assignment to Enhance Interactions in Online Learning Groups. Paper presented at the International Conference on Interactive Collaborative Learning (ICL), 20-24 September 2015, Florence, Italy.
40. Mayende, G., Prinz, A., Isabwe, G. M. N., & Muyinda, P. B. (2015). Supporting Learning Groups in Online Learning Environment. Paper presented at the CSEDU 2015 - 7th International Conference on Computer Supported Education, Lisbon, Portugal.

41. Muyinda, P. B., Mayende, G., & Isabwe, G. M. N. (2015). Authentic Integration of Mobile Vodcasts in the Teaching of Physics in Uganda. Paper presented at the Emerging Technologies and Authentic Learning in Higher Vocational Education Conference 2015, Cape Town, South Africa.
42. Kabugo, D., Muyinda, P. B., Masagazi, M. F., Mugagga, A. M., & Mulumba, M. B. (2015). Tracking Students' Eye Movements When Reading Educational Information on Mobile Phones: A Case of A Luganda Literary Text. In M. Dichaba, & D. Nwaozuzu (Ed.), South Africa International Conference on Education 2015 (pp. 37-51). Pretoria, South Africa: African Academic Research Forum.
43. Mayende, G., Prinz, A., Isabwe, G.N.M., Muyinda, B.P. (2015). Learning Groups for MOOCs. A paper presented at the Distance Education Leapfrogging Project 2015 Workshop (DELP 2015W), 15th June, 2015, Makerere University, Kampala, Uganda
44. Nampijja, D., Oyhus, A.O., Webersik, C., Muyinda, P.B. (2015). Mobile Learning for Enhancing Livelihoods in Developing Regions. A paper presented at the Distance Education Leapfrogging Project 2015 Workshop (DELP 2015W), 15th June, 2015, Makerere University, Kampala, Uganda
45. Bbuye, J., Siminyu S., Aguti, J.N., Muyinda, B.P. (2015). Essentials for a Professional Youth Workers Course: Needs Assessment Survey for a BYDW Course at Makerere University. A paper presented at the Distance Education Leapfrogging Project 2015 Workshop (DELP 2015W), 15th June, 2015, Makerere University, Kampala, Uganda
46. Namuli, P., Bakabulindi, F.E.K., Muyinda, P.B. (2015). Electronic Learning: A Review of Literature. . A paper presented at the Distance Education Leapfrogging Project 2015 Workshop (DELP 2015W), 15th June, 2015, Makerere University, Kampala, Uganda.
47. Muyinda B. P., Ng'ambi, D., Mayende, G., Isabwe, M. N. G. (2015). Authentic Integration of mVodcasts in the Teaching of the Physics Concept of Electromagnetism in Uganda. A Paper Presented at the Emerging Technologies and Authentic Learning in Higher Vocational Education Conference 2015. 31st August – 3rd September 2015, University of Cape Town, Cape Town, South Africa.
48. Walimbwa, M., & Muyinda B. P. (2015). Emerging Technologies Redesigning the Distance Learning Environment at Makerere University. A Paper Presented at the Emerging Technologies and Authentic Learning in Higher Vocational Education Conference 2015. 31st August – 3rd September 2015, University of Cape Town, Cape Town, South Africa.
49. Muyinda, B. P. (2015). The Global and Regional Trends in Blended and eLearning for Higher Education: Best Practices? A Paper Presented at the Stakeholders' Workshop on Promotion of the Use of ICT in Education Service Delivery Under the African Development Bank (ADB) Education V (Higher Education Science and Technology (HEST)) Project, 22nd – 23rd July 2015, Central Inn Hotel, Entebbe, Uganda
50. Muyinda, B. P. (2015). Improving ICT for Education. A Paper Presented at the Uganda National Secondary School Head Teachers' Conference and Training Workshop. 1st – 2nd June 2015, Makerere University, Kampala, Uganda
51. Muyinda, B. P., Mayende, G. Kizito, J. (2015). Seamless Collaborative and Cooperative mLearning System. A paper presented at the Mak-Sida International Research & Innovation Dissemination Conference, April 20 – 21, 2015, Hotel Africana, Kampala Uganda.
52. Muyinda, B. P. (2015). Evolution of and Innovations in Education Methodologies: Can we apply them in Epidemiology/Biostatistics Department? A paper presented at the Epidemiology/Biostatistics Department, School of Public Health, Makerere University Staff Retreat, 16th April 2015, Hotel Afrique, Kampala, Uganda.

53. Muyinda, B. P. (2015). Pedagogy. A Paper presented at a staff retooling workshop on the implementation of an online MSc. in Agriculture Information & Communication Management Programme, CoCIS, 23rd Feb 2015, Kampala, Uganda.
54. Muyinda, B. P. (2015). Online Supervision. A paper presented at the Online Supervision and Graduate Mentorship Workshop, College of Computing and Information Sciences, 20th January 2015, Kampala, Uganda

PhD Thesis

55. Kakeeto, M. B. (2015). Stakeholders' perspectives on the secondary school history curriculum towards national integration in Uganda.

College of Agricultural and Environmental Sciences

1. Nonnecke G., McMillan D., Kugonza D.R. and Masinde D. 2015. Leaving the Door Open to New Beneficiaries. (Chapter 7). In: Butler L.M. and McMillan D.E. (eds.). Tapping Philanthropy for Development: Lessons Learned from a Public-Private Partnership in Rural Uganda. Kumarin Press, Lynne Rienner Publishers, 250 pages. ISBN: 978-1-62637-194-1.
2. Okot-Okumu. J. (2015). Solid Waste Management in Uganda: Challenges and Options. In: Romeela Mohee, Thokozani Simelane (Eds). Future Directions of Municipal Solid Waste Management in Africa. Africa Institute of South Africa, South Africa. ISBN 9780798304238

Publications in refereed and professionally recognized Journals

1. Turyahabwe, N., Byakagaba, P., Tumusiime, D.M. 2015. Decentralisation of Forest Management — Is it a Panacea to Challenges in Forest Governance in Uganda?, Precious Forests - Precious Earth, Miodrag Zlatić (Ed.), ISBN: 978-953-51-2175-6, InTech, DOI: 10.5772/61014.
2. AJ Komakech, C Zurbrugg, D Semakula, N Kiggundu, B Vinnerås. Evaluation of the performance of different organic fertilizers on maize yield: A case study of Kampala, Uganda. Canadian Center of Science and Education, 2015
3. Awio T., Karungi J., Bua B. and Lamo, J. 2015. Relating water management regimes and rice genotypes with occurrence of insect pests and diseases of rice in Uganda. Journal of Global Agriculture and Ecology, 4(1): 12-20.
4. Awio, T. Bua, B. Karungi, J. 2015. Assessing the Effects of Water Management Regimes and Rice Residue on Growth and Yield of Rice in Uganda, American Journal of Experimental Agriculture, 7(2): 141-149.
5. Basika, E., Kigozi. J. and Kiggundu, N. Investigation of sugar cane bagasse ash as a binding material for the construction industry. Journal of Global Ecology and Environment, 4 (2), 205-208, 2015.
6. Basika, E., Kigozi. J. and Kiggundu, N. Investigation of sugar cane bagasse ash as a binding material for the construction industry. Journal of Global Ecology and Environment, 4 (2), 205-208, 2015.
7. Bateganya, N.L.; Kazibwe, A.; Langergraber, G.; Okot-Okumu, J.; Hein, T.; (2015): Performance of subsurface flow constructed wetland mesocosms in enhancing nutrient removal from municipal wastewater in warm tropical environments Environmental. Environ Technol. 2015 Sep 21:1-46.
8. Bateganya, N.L.; Kazibwe, A.; Langergraber, G.; Okot-Okumu, J.; Hein, T.; (2015): Performance of subsurface flow constructed wetland mesocosms in enhancing nutrient removal from municipal wastewater in warm tropical environments Environmental. Environ Technol. 2015 Sep 21:1-46.

9. D.J. Mugisa, N. Banadda and N. Kiggundu. Lead Uptake of Water Plants in Water stream at Kiteezi Landfill Site, Kampala (Uganda). *African Journal of Environment Science and Technology*, 9(5): 502 - 507, 2015
10. D.J. Mugisa, N. Banadda and N. Kiggundu. Lead Uptake of Water Plants in Water stream at Kiteezi Landfill Site, Kampala (Uganda). *African Journal of Environment Science and Technology*, 9(5): 502 - 507, 2015
11. Deanroy Mbabazi, Noble Banadda, Nicholas Kiggundu and Harrison Mutikanga. Determination of domestic water meter accuracy degradation rates in Kampala water distribution system. *Journal of Water Supply: Research and Technology*, 486-492, 2015. doi:10.2166/aqua.2015.083
12. Deanroy Mbabazi, Noble Banadda, Nicholas Kiggundu and Harrison Mutikanga. Determination of domestic water meter accuracy degradation rates in Kampala water distribution system. *Journal of Water Supply: Research and Technology*, 486-492, 2015. doi:10.2166/aqua.2015.083
13. E Basika, J Kigozi, N Kiggundu. Investigation of sugar cane bagasse ash as a binding material for the construction industry. *Journal of Global Ecology and Environment*, 2 (4), 205-208, 2015
14. Egeru A., Barasa, B., Massa H.M., & Nampala P. (2015). Piosphere Syndrome and Rangeland Degradation in Karamoja Sub-region, Uganda. *Resources and Environment*, 5(3), 73-89.
15. Egeru, A., Wasonga, O., MacOpiyo, L., Mburu, J., *Tabuti*, J.R.S., Majaliwa, M.G.J., 2015. Piospheric influence on forage species composition and abundance in semi-arid Karamoja sub-region, Uganda. *Pastoralism: Research, Policy and Practice* 5:12.
16. Egeru, A., Wasonga, O., MacOpiyo, L., Mburu, J., Tabuti, J. R., & Majaliwa, M. G. (2015). Piospheric influence on forage species composition and abundance in semi-arid Karamoja sub-region, Uganda. *Pastoralism: Research, Policy and Practice Journal*, 5(1), 1-17.
17. Egeru, A., Wasonga, O., Mburu, J., Elhadi, Y., Majaliwa MG.J., Mac Opiyo, L., Bamutaze, Y. (2015). Drivers of forage availability: An integration of remote sensing and traditional ecological knowledge in Karamoja Sub-region, Uganda. *Pastoralism: Research, Policy and Practice* (2015) 5:19
18. F. Lule, N. Banadda, C. Sempala and J. Kigozi. The migration of Chemical Contaminants from Polyethylene Bags into food during cooking. *International Journal of Agricultural and Biological Engineering*, 8(4), 2015.
19. F. Lule, N. Banadda, C. Sempala and J. Kigozi. The migration of Chemical Contaminants from Polyethylene Bags into food during cooking. *International Journal of Agricultural and Biological Engineering*, 8(4) xx-xx, 2015.
20. F. Lule, N. Banadda, C. Sempala and J. Kigozi. The migration of Chemical Contaminants from Polyethylene Bags into food during cooking. *International Journal of Agricultural and Biological Engineering*, 8(4), 2015.
21. Godfrey Omulo, Banadda N. and N. Kiggundu. A review on harnessing of Banana Ripening Process for Banana Juice Extraction in Uganda. *African Journal of Food Science and Technology*, 6(4): 108-117, 2015
22. Godfrey Omulo, Banadda N. and N. Kiggundu. A review on harnessing of Banana Ripening Process for Banana Juice Extraction in Uganda. *African Journal of Food Science and Technology*, 6(4): 108-117, 2015
23. Irene Nansubuga, Francis Meerburg, Willy Verstraete, Korneel Rabaey, Noble Banadda and Mohammed Babu. A two-stage decentralized system combining high rate activated sludge (HRAS) with alternating charcoal filters (ACF) for treating small community sewage to reusable standards for Agriculture. *African Journal of BioTechnology*, 14(7): 593-603, 2015

24. Irene Nansubuga, Noble Banadda, Frederik Ronsse, Willy Verstraete and Korneel Rabaey. Digestion of high rate activated sludge coupled to biochar formation for soil improvement in the tropics. *Water Research*, 81:216-222, 2015. DOI: 10.1016/j.watres.2015.05.047
25. Irene Nansubuga, Noble Banadda, Mohammed Babu, Willy Verstraete and Korneel Rabaey. Co-digestion of Primary sludge with cow dung and brewery sludge: the effect on biogas production. *International Journal of Agricultural and Biological Engineering*, 8(4): 86-94, 2015
26. Jovanelly T. J, Johnson-Pynn J, Okot-Okumu J, Nyenje R and Namaganda E (2015). Pioneering Water Quality Data on The Lake Victoria Watershed: Impacts to Human Health. *Journal of Water and Health*. doi:10.2166/wh.2015.001.
27. Jovanelly T. J, Johnson-Pynn J, Okot-Okumu J, Nyenje R and Namaganda E (2015). Pioneering Water Quality Data on The Lake Victoria Watershed: Impacts to Human Health. *Journal of Water and Health*. doi:10.2166/wh.2015.001.
28. Juma M. Obura, Noble Banadda, J. Wanyama and N. Kiggundu. (2015). A critical review of the performance of selected appropriate postharvest Technologies and agricultural equipment in Eastern Africa. *CIGR Journal*, Accepted, 2015.
29. Juma M. Obura, Noble Banadda, N. Kiggundu and J. Wanyama. A critical review of the performance of selected appropriate postharvest Technologies and agricultural equipment in Eastern Africa. *CIGR Journal*, Accepted, 2015.
30. Juma M. Obura, Noble Banadda, N. Kiggundu and J. Wanyama. A critical review of the performance of selected appropriate postharvest Technologies and agricultural equipment in Eastern Africa. *CIGR Journal*, Accepted, 2015.
31. Karungi, J., Nambi, N., Ijala, A. R., Jonsson, M., Kyamanywa, S. and Ekbohm B. 2015. Relating shading levels and distance from natural vegetation with hemipteran pests and predators occurrence on coffee, *Journal of Applied Entomology*, DOI: 10.1111/jen.12203
32. Kugonza D.R., Lubandi C., Kirembe G., Taabu H.L. and Lusembo P. 2015. Effect of genotype and post-weaning diet in enhancing pig production within Lake Victoria crescent in Uganda. *Agricultural Innovations for Sustainable Development*, 4(3): 296–304.
33. Kyagulanyi J., Banadda N., Mulamba P., Kiggundu N. and Muyonga J., Estimation of spatial and temporal grain amaranth water requirement using satellite, local and virtual weather stations data sets. *International Journal of Agricultural and Biological Engineering*, Accepted, 2015.
34. Kyagulanyi J., Banadda N., Mulamba P., Kiggundu N. and Muyonga J., Estimation of spatial and temporal grain amaranth water requirement using satellite, local and virtual weather stations data sets. *Agricultural and Forest Meteorology*, Accepted, 2015.
35. L. Musoke, N. Banadda, C. Sempala and J. Kigozi. The migration of Chemical Contaminants from Polyethylene Bags into food during cooking. *The Open Food Science Journal*, 9: 14-18, 2015
36. L. Musoke, N. Banadda, C. Sempala and J. Kigozi. The migration of Chemical Contaminants from Polyethylene Bags into food during cooking. *The Open Food Science Journal*, 9: 14-18, 2015
37. L. Musoke, N. Banadda, C. Sempala and J. Kigozi. The migration of Chemical Contaminants from Polyethylene Bags into food during cooking. *The Open Food Science Journal*, 9: 14-18, 2015
38. Lederer J, Karungi J, and Ogwang, F. 2015. The potential of wastes to improve nutrient levels in agricultural soils: A material flow analysis case study from Busia District, Uganda. *Agriculture Ecosystems & Environment*, DOI:10.1016/j.agee.2015.03.024.

39. Mboowa D., Banadda N., Kiggundu N. and I. Kabenge. Estimation of Greenhouse Gases at Kiteezi Landfill, Kampala, Uganda. *African Journal of Environment Science and Technology*, 9(9): 741-746, 2015
40. Mboowa D., Banadda N., Kiggundu N. and I. Kabenge. Estimation of Greenhouse Gases at Kiteezi Landfill, Kampala, Uganda. *African Journal of Environment Science and Technology*, 9(9): 741-746, 2015
41. Mboowa, D., Banadda, N., Kiggundu, N., Kabenge, I.*, and A.J. Komakech (2015), Estimation of methane generation based on anaerobic digestion and mass balance at Kiteezi Landfill, Kampala, Uganda. *African Journal of Environmental Science and Technology*, 9(9): 741-746. (* corresponding Author)
42. Mubiru, D.N., Kyazze, F.B., Radeny, R., Zziwa, A., Lwasa, J. and Kinyangi, J. (2015). Climatic trends, risk perceptions and coping strategies of smallholder farmers in rural Uganda. Report number: CCAFS Working Paper No. 121, Affiliation: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS) DOI: 10.13140/RG.2.1.4400.4960
43. Mugisa, I.O., Karungi, J., Akello, B., Ochwo-Ssemakula, M.K.N., Biruma, M., Okello, D.K., and Otim, G. 2015. Assessing the effect of farmers' practices on the severity of groundnut rosette virus disease in Uganda. *African journal of Agricultural Research*, 10(9): 995-1003.
44. Mugonola, B., Mathijs, E., Poesen, J., Deckers, J., Wanyama, J., Isabirye, M. (2015), Soil and Water Conservation Technologies in the Upper Rwizi Micro catchment of Southwestern Uganda. In: Nicol, A., Langan, S., Victor, M., Gonsalves, J. (Eds.) 2015. *Water-smart agriculture in East Africa*. Colombo, Sri Lanka: International Water Management Institute (IWMI). CGIAR Research Program on Water, Land and Ecosystems (WLE); Kampala, Uganda: Global Water Initiative East Africa (GWI EA). 352p. 194-198. doi: 10.5337/2015.203.
45. Nabaterega, R., Banadda, N., Muyonga, J. H., Kiggundu, N., Kabenge, I., and P. Tumutegyereize, (2015), determining the most appropriate and optimum ratios of Organic waste for Biogas generation from small-scale food processing units. *International Journal of Applied Sciences and Engineering Research*, Vol. 4, No. 2/3.
46. Nakirya D, Okot-Okumu J, Muyodi F.J (2015). Microbial safety assessment of recreation water at Lake Nabugabo, Uganda. *Afr. J. Environ. Sci. Technol.* 9(10): 773-783. doi. 10.5897/AJEST2015.1979.
47. Nakirya D, Okot-Okumu J, Muyodi F.J (2015). Microbial safety assessment of recreation water at Lake Nabugabo, Uganda. *Afr. J. Environ. Sci. Technol.* 9(10): 773-783. doi. 10.5897/AJEST2015.1979.
48. Nakkazi C., Kugonza D.R., Kayitesi A., Mulindwa H. and Okot M.W. 2015. The effect of diet and feeding system on the on-farm performance of local chickens during the early growth phase. *Livestock Research for Rural Development*, 27(10): 1–11.
49. Nampanzira, D.K., Kabasa, J.D., Nalule, S.A., Nakalembe, I., *Tabuti*, J.R.S., 2015. Characterization of the goat feeding system among rural small holder farmers in the semi-arid regions of Uganda. *SpringerPlus* 2015, 4:188
50. Nyamukuru, A., Nabatanzi, A., Mpiira, S. and *Tabuti*, J. R. S. 2015. Priority woody species and their management in selected sub-counties of Kiruhura and Arua districts, Uganda. *Ethnobotany Research & Applications* 14:049-061

51. Okot-Okumu J and Otim J (2015). The Quality of Drinking Water Used by the Communities in Some Regions of Uganda. *Int.J.Biol.Chem.Sci*,9(1): 552-562.ISSN1991-8631.
52. Resty Nabaterega, Noble Banadda, John H. Muyonga, Nicholas Kiggundu, Isa Kabenge and Peter Tumutegyeize. Determining the most appropriate and optimum ratios of organic waste for biogas production from small-scale food processing units. *International Journal of Applied Science and Engineering Research*, Accepted, 2015.
53. Resty Nabaterega, Noble Banadda, John H. Muyonga, Nicholas Kiggundu, Isa Kabenge and Peter Tumutegyeize. Determining the most appropriate and optimum ratios of organic waste for biogas production from small-scale food processing units. *International Journal of Applied Science and Engineering Research*, Accepted, 2015.
54. Resty Nabaterega, Noble Banadda, John H. Muyonga, Nicholas Kiggundu, Isa Kabenge and Peter Tumutegyeize. Determining the most appropriate and optimum ratios of organic waste for biogas production from small-scale food processing units. *International Journal of Applied Science and Engineering Research*, Accepted, 2015.
55. Richard Ssonko Elijah, Nicholas Kiggundu and Noble Banadda. Waste Engine Oil Contamination of Soils and its Bioremediation. *Environmental Engineering and Management*, 14(8): 1969-1974, 2015
56. Richard Ssonko Elijah, Nicholas Kiggundu and Noble Banadda. Waste Engine Oil Contamination of Soils and its Bioremediation. *Environmental Engineering and Management*, 14(8): 1969-1974, 2015
57. Ryken, N., Vanmaercke, M., Wanyama, J., Deckers, J., Isabirye, M., & Poesen, J. (2015). Impact of papyrus wetland encroachment on spatial and temporal variabilities of stream flow and sediment export from wet tropical catchments. *Science of The Total Environment*. Vol. (511) 756–766.
58. Semakula J., Lusembo P., Mwesigwa M., Ssenyonjo J., Lumu R., Kugonza D.R. and Mutetikka D. 2015. Infectious causes of mortality in smallholder mature scavenging chicken in central Uganda. *Livestock Research for Rural Development*, 27(4): 1–8.
59. Ssekandi W., J. W. Mulumba, P. Colangelo, R. Nankya, C. Fadda, J. Karungi, M. Otim, P. De Santis & D. I. Jarvis. 2015. The use of common bean (*Phaseolus vulgaris*) traditional varieties and their mixtures with commercial varieties to manage bean fly (*Ophiomyia* spp.) Infestations in Uganda, *Journal of Pest Science*, DOI10.1007/s10340-015-0678-7.
60. T. Kukeera, N. Banadda, P. Tumutegyeize, N. Kiggundu and R. Asuman. Extraction, quantification and characterization of oil from Pumpkin Seeds. *International Journal of Agricultural and Biological Engineering*, 8(1): 98-102, 2015
61. T. Kukeera, N. Banadda, P. Tumutegyeize, N. Kiggundu and R. Asuman. Extraction, quantification and characterization of oil from Pumpkin Seeds. *International Journal of Agricultural and Biological Engineering*, 8(1): 98-102, 2015
62. T. Kukeera, N. Banadda, P. Tumutegyeize, N. Kiggundu and R. Asuman. Extraction, quantification and characterization of oil from Pumpkin Seeds. *International Journal of Agricultural and Biological Engineering*, 8(1): 98-102, 2015
63. Turyahabwe, N., Kakuru, W., Asimwe, M and Byakagaba, P. 2015. Proximate and Underlying Causes of Illegal Timber Trade in Uganda. Miodrag Zlatic (Ed.), ISBN: 978-953-51-2175-6, InTech, DOI: 10.5772/61015

College of Engineering, Design, Art and Technology

1. Semiyaga, S., Okure, M. A., Niwagaba, B. C., Katukiza, A. Y., Nyenje, P., Kansiime, F., 2015. Decentralized options for faecal sludge management in urban slum areas of Sub-Saharan Africa: A review of technologies, practices and end-uses. *Resources, Conservation & Recycling*, Volume 104, Part A, November 2015, Pages 109–119.
2. Hering, J. G., Sedlak, D. L., Tortajada, C., Biswas, A. K., Niwagaba, C., Breu, T., 2015. Local perspectives on water. *Science* 349 (6247), 479-480.
3. Nakagiri, A., Kulabako, N. R., Nyenje, P. M., Tumuhairwe, J. B., Niwagaba, B. C., Kansiime, F. 2015. Performance of pit latrines in urban poor areas: A case of Kampala, Uganda. *Habitat International* 49, 529-537.
4. Fuhrmann, S., Stalder, M., Winkler, S. M., Niwagaba, B. C., Babu, M., Masaba, G., & Narcis B. Kabatereine, B. N., Halage, A. A., Schneeberger, H. H. P., Utzinger, J., Cissé, G., 2015. Microbial and chemical contamination of water, sediment and soil in the Nakivubo wetland area in Kampala, Uganda. *Environmental Monitoring and Assessment* 147(475), 1-15.
5. Kinobe, J. R., Gebresenbet, G., Niwagaba, B. C., Vinnerås, B., 2015. Reverse logistics system and recycling potential at a landfill: A case study from Kampala City. *Waste Management* 42, 82-92.
6. Kinobe, J. R., Bosona, T., Gebresenbet, G., Niwagaba, B. C., Vinnerås, B., 2015. Optimization of waste collection and disposal in Kampala city. *Habitat International* 49, 126-137.
7. Tove, A. L., Gebauer, H., Gründl, H., Künzle, R., Lüthi, C., Messmer, U., Morgenroth, E., Niwagaba, B. C., Ranner, B., 2015. Blue Diversion: a new approach to sanitation in informal settlements. *Journal of Water, Sanitation & Hygiene for Development*, 5(1), 64-71.
8. Kinobe, J. R., Niwagaba, B. C., Gebresenbet, G., Komakech, A. J., Vinnerås, B., 2015. Mapping out the solid waste generation and collection models: The case of Kampala City. *Journal of the Air & Waste Management Association*, 65(2) 197-205.
9. Katukiza, A.Y., Ronteltap, M., Niwagaba, C. B, Kansiime, F., Lens, P.N.L., 2015. Grey water characterisation and pollutant loads in an urban slum. *International Journal of Environmental Science and Technology*, 12(2), 423-436.
10. Bakamwesiga H., Mwakali J. and Thelandersson S., 2015. Prioritizing maintenance of Highway Bridges in Uganda. *International Journal of Technoscience and Development (IJTD)*, 2 (1), 64-75, ISSN 2001-2837.
11. 2015Lubwama, M., Corcoran, B., Kirabira, J.B., Sebbit, A., and Sayers, K.(2015). Improving reliability and functional sustainability of groundwater handpumps by coating the rubber piston seals with diamond-like carbon. pp 125 – 137. Fagan, G.H., Linnane, S., McGuigan, K.G. and Rugumayo, A.I. *Water is Life- Progress to secure safe water provision in rural Uganda*. Practical Action Publishing Ltd. The Schumacher Centre, Bourton on Dunsmore, Rugby, Warwickshire, CV23 9QZ, UK.
12. 2015John Baptist Kirabira, Hillary Kasedde, Matthäus U. Bähler and Thomas Makumbi. (2015) Phase Developments during Natural Evaporation Simulation of Lake Katwe Brine Based on Pitzer's Model. *British Journal of Applied Science & Technology* 11(4): 1-7, 2015, Article no.BJAST.20598 ISSN: 2231-0843 SCIENCEDOMAIN international www.sciencedomain.org
13. 2015Makumbi, T., Kirabira, J.B., Sebbit, A. and Björn, P. (2015). Investigating the Opportunities for Environmentally Benign Options in the Refrigeration Industry of Uganda. *British Journal of Applied Science & Technology*, 10(1): 1-24, 2015, Article no. BJAST.18033, ISSN: 2231-0843. www.sciencedomain.org

14. Makumbi, T., Kucel, S.B., Kirabira, J.B., and Sebbit, A. (2015). Design of a sustainable Energy System for an EcoVillage: A Case Study of Bulindo Village. *Journal of Scientific Research & Reports*, 5(4): 326-343, 2015; Article no. JSRR.2015.100 ISSN: 2320-0227. www.sciencedomain.org
15. Bwambale, B., Bagampadde, U., Gidudu, A. And Martini, F. 2015. Seismic Hazard Analysis for the Albertine Region, Uganda – A Probabilistic Approach, *South African Journal of Geology*, Vol 118.4 pp 411 – 424 doi:10.2113/gssajg.118.4.411
16. Sjöberg, L.E., Gidudu, A., Ssengendo, R., 2015. The Uganda Gravimetric Geoid Model 2014 Computed by The KTH Method. *Journal of Geodetic Science*. Volume 5, Issue 1, pp. 35–46 ISSN (Online) 2081-9943, DOI: 10.1515/jogs-2015-0007, May 2015
17. Ssengendo, R., Sjöberg, L.E., and Gidudu, A. 2015. The Gravimetric Quasigeoid Model over Uganda. In proceedings of FIG Working Week 2015 “From the Wisdom of the Ages to the Challenges of the Modern World” in Sofia, Bulgaria May 17-21, 2015
18. Mazimwe, A., and Gidudu, A., 2015. Towards Interoperability: Has theoretical knowledge of Ontologies and Semantics had any impact on Geospatial Applications in the last two decades of GI Science? *International Journal of Technoscience and Development (IJTD)* Vol 2, Issue 1, 2015, ISSN 2001-2837 Pp 14 - 27
19. Arineitwe, J., Okure, M. A.E., Fakhrai R., Sebbit, A. CFD modeling of a producer gas burner with swirl flow and continuous air staging., *International Conference on Computing in Mechanical Engineering*, 2015, Kochi, India. 8 – 14 August 2015. Paper No. 1570134305
20. Turinayo, Y. K., Okure, M. A.E.. Techno-Economic Viability of Husk Powered Systems for Rural Electrification in Uganda: Part I: Sustainability and Power Potential Aspects. *International Conference on Energy, Environment and Climate Change (ICEECC 2015)*, Pointe aux Piments, Mauritius, 8 – 9 July 2015. Pages 1 - 12
21. Okure, M. A.E., .Turinayo, Y. K., Kucel, S.B.. Techno-Economic Viability of Husk Powered Systems for Rural Electrification in Uganda: Part II: Economic and Policy Aspects. *International Conference on Energy, Environment and Climate Change (ICEECC 2015)*, Pointe aux Piments, Mauritius, 8 – 9 July 2015. Pages 13 - 24
22. Kakitahi, J. M., Alinaitwe, H. M, Landin, M. and Mudaaki, P. S. (2015) A study of non-compliance with quality requirements in Uganda. *Proceedings of the ICE-Management, Procurement and Law*, Vol, 168(1), 22 – 42.
23. Mulolo, F., Alinaitwe, H. and Mwakali, J. A (2015) Choice of Alternative dispute resolution process in Uganda's Construction Industry. *International Journal of Technoscience and Development*, Vol 2(1), 28 -39
24. Mhando Y. B, Mlinga, R. S. and Alinaitwe, H. M (2015) Factors Influencing Variations in Public Building Projects. In F. Emuze(editor) *Conference Proceedings of the Fourth Construction Management Conference held in Port Elizabeth, South Africa from 30th November to 1st December 2015*, pp 162 – 170.
25. Ssengendo, R, 2015, A height datum for Uganda based on a gravimetric quasigeoid model and GNSS/levelling, PhD Thesis, Royal Institute of Technology(KTH), Sweden.
26. Ssengendo, R., Sjöberg, L.E, Gidudu, A., 2015, A new height datum for Uganda. Presented at the 3rd Advances in Geomatics Research Conference, Makerere University, Kampala, Uganda, 6-7 August, 2015.

27. Michael Lubwama, Brian Corcoran and Kimmitt Sayers, Chap. 10: Functional sustainability of hand pumps for rural water supply. In. *Water and Development: Good Governance after Neoliberalism*, pp. 198 - 209; (Ed.) Ronaldo Munck, Narathius Asingwire, Honor Fagan and Consolata Kabonesa, Zed Books, London, UK, 2015.
28. Michael Lubwama, Brian Corcoran, John Baptist Kirabira, Adam Sebbit, Kimmitt Sayers; Chap. 9: Improving reliability and functional sustainability of groundwater handpumps by coating the rubber piston seals with diamond like carbon; In. *Water is Life: Progress to secure safe water provision in rural Uganda*, pp. 125 - 137 (Ed.) Honar Fagan, Suzanne Linnane, Albert Rugumayo, Consolata Kabonesa, Kevin McGuigan, Practical Action Publishing Ltd, United Kingdom, 2015.
29. M. Lubwama, B. Corcoran, K. Sayers, (Review or Critical Assessment) DLC films deposited on rubber substrates: A review, *Surface Engineering* 31 (2015) 1 – 10.
30. Michael Lubwama, The potential for Si-DLC as anti-reflective coatings for solar cells, Poster Presentation, International Summer School for Young Scientists: Renewable Energies for Africa (1) Solar energy and its applications, Nelson Mandela Africa Institute of Science and Technology, Arusha, Tanzania, July 13 – 18, 2015
31. David Martin Warsinger, Vicky Lee, Sarah Van Belleghem, Priyanka Chatterjee, Andrea Carnie, Michael Lubwama. VapZap: Nanotechnology-enhanced Evaporation and Thermoelectrics to Power UV Purification, Poster Presentation, MIT Water Night, March 5th 2015, Stratton Student Center, MIT Building W20-202, Cambridge, Massachusetts (Won Best Poster Mention).
32. Michael Lubwama, Development of bio-composite polymers using rice and coffee husk agricultural wastes, International Selection Conference within the Africa Initiative of the Volkswagen Foundation “Knowledge for tomorrow – Cooperative research projects in Sub-Saharan Africa; Postdoctoral Fellowships for African Researcher in the Engineering Sciences, April 26th – 29th, 2015, Nairobi-Kenya.
33. Peters-Klaphake, K.: The subversive potential of micro-histories. *Contemporary And*, May 27th, 2015. Available at <http://www.contemporaryand.com/magazines/the-subversive-potential-of-micro-histories/>
34. Peters-Klaphake, K.: Art in Kampala At Work 012, in: Pinther, K., Nzewi, U.C., Fischer, B. (eds.) *New Spaces for Negotiating Art and Histories in Africa*. Münster: Lit Verlag, 2015, pp. 52-71.
35. Peters-Klaphake, K. and Kuc ma, A.. Motifs of Modernization and Urbanization in Paintings from the Collection of the Makerere Art Gallery /HCR in Kampala. *Third Text Africa*, Volume 4, ‘East Africa’, 2015, pp. 73-89.
36. Naturinda D. N., Kerali A. G., and Tindiwensi D. (2015), The structural behavior of pozzolan-lime cement as a potential substitute to Portland cement in low-strength construction applications; *Proceedings of the 1st Symposium of Knowledge Exchange for Young Scientists (KEYS)*, June 8 – 12, 2015, Dar es Salaam, Tanzania. BAM Federal Institute for Materials Research and Testing, Berlin, German.
37. Naturinda D. N., Kerali A. G. and Tindiwensi D. (2015), An Examination of Compressive Strength Variation of Pozzolan-Lime Cement with Pozzolan Particle Size; *Proceedings of the 3rd International Conference on Advances in Engineering Sciences and Applied Mathematics (ICAESAM’2015)*, March 23 – 24, 2015, London United Kingdom.
38. P.W. Olupot, A. Candia, E. Menya, R. Walozi, “Characterization of Rice Husk Varieties in Uganda for Biofuels and Their Techno-economic Feasibility in Gasification” (Article in Press), *Chemical Engineering Research and Design*. DOI: <http://dx.doi.org/10.1016/j.cherd.2015.11.010>

39. Elwidaa E. A., and Nnaggenda-Musana A., "Boundary-less Living", International Journal of Technoscience and Development (IJTD). Vol 2, Issue 1, 112-120, ISSN 2001-2837. It can be found at <http://technoscience.se/ijtd/vol-2-issue-1-2015/>
40. Okello, Dorothy, Wilson Wasswa, Peter Mukasa, Derrick Sebbaale, and Mark Kagarura. "eInfrastructure: Next generation wireless broadband networks for Uganda 2020." In IST-Africa Conference, 2015, pp. 1-7. IEEE, 2015.
41. Bwambale, B., Bagampadde, U., Gidudu, A., Martini, F. (2015). Seismic Hazard Analysis for the Albertine Region, Uganda – A Probabilistic Approach. South African Journal of Geology, 118(4), pp. 411 – 424.
42. Mwesige, G., Farah, H., Bagampadde, U., Koutsopoulos, N. H. (2015). Effect of Passing Zone Length on Operation and Safety of Two-Lane Rural Highways in Uganda. Submitted to Journal of Transportation Research Part A: Policy and Practice.
43. Mwesige, G., Bagampadde, U., Farah, H., Nissan, A. (2015). Operational Characteristics of Passing zones on two-lane rural highways in Uganda. (In press) Journal of Transportation Research Part F: Traffic Psychology and Behaviour.
44. Mwesige, G., Farah, H., Bagampadde, U., and Koutsopoulos, H. (2015). "A Model and Its Applications for Predicting Passing Rate at Passing Zones on Two-Lane Rural Highways." ASCE Journal of Transportation Engineering, (In press) 10.1061/(ASCE)TE. 1943-5436.0000820 , 04015049.

College of Computing and Information Sciences

1. Okello-Obura, C & Muzaki, F. (August 2015). An audit of records and information management practices and ICTs utilisation among SMEs in northern Uganda. Library Philosophy and Practice <http://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=3286&context=libphilprac>.
2. Okello-Obura, C. & Ssekitto, F. (2015). Web 2.0 technologies application in teaching and learning by Makerere university academic staff, Library Philosophy and Practice, (E-Journal), available at: <http://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=3326&context=libphilprac>.
3. Isaac M.N. Kigongo-Bukenya , Constant Okello-Obura , Eliz Nassali State , (2015) "The correct language of cataloguing local publications in East Africa," New Library World, Vol. 116 Iss: 9/10, pp.517 - 526
4. Okello-Obura, C. (2015). Assessment of quality of East African Governments Websites and Support to SMEs in business information provision, Library Philosophy and Practice (e-Journal)
5. Okello-Obura, C., Kidaaga, J and Kacunguzi, D. (2015). Application of Information Technologies in Business Operations and Access to Business Information by Small and Medium Enterprises in Western Uganda, MOUSAION 33 (1)
6. Maiga. G, and Mutuwa L. Peace. (2015). An Integrating Model of Knowledge Management for Improved Paediatric Health Care Practice, Journal of Information and Knowledge Management, Vol. 14 No. 1 1550001 ISSN: 0219-6492
7. Bagarukayo E., and Kalema, B.M. (2015). Evaluation of eLearning Usage in South African Universities: A Critical Review. International Journal of Education and Development using Information and Communication Technology (IJEDICT), 2015, Vol. 11, Issue 2, pp. 168-183, ISSN: 1814-0556

8. Kamoga, M., Bagarukayo, E., Kanani, R., Natugasha, D., Arinda, Y. (2015). Vehicle Speed Tracking and Reporting System for Uganda. International Journal of Computing and ICT Research (IJCIR), 2015 Print ISSN: 0973-1873. Online ISSN: 0974-1259 <http://ijcir.mak.ac.ug>
9. Mwesigwa, E., and Bagarukayo, E. (2015). College Electronic Voting Environment. 3rd IST Africa International Conference. 6-8 May 2015, Lilongwe, Malawi,
10. Ejeu E., Bagarukayo, E., Mutesasira, U., Isooba, I., and Atugonza R. (2015). News Gathering System. 1st International Workshop on System Dynamics, Big Data and Cloud Computing (IAWSD2015). 11-13 January 2015, Nairobi, Kenya
11. Ruth Mbabazi Mutebi, Julianne Sansa Otim, Richard Okou, Ben Sebitosi, "Electricity theft in Kampala and potential ICT solutions," LNICST 147, pp. 198-206, 2015, ISBN: 978-3-319-16885-2 (Print) 978-3-319-16886-9 (Online).
12. Julianne Sansa Otim , Celestino OBUA, Grace KAMULEGEYA, Alex MWOTIL, Perez MATSIKO , "Field Testing a Drug Management Application at Ugandan Health Facilities," LNICST 147, pp. 198-206, 2015, ISBN: 978-3-319-16885-2 (Print) 978-3-319-16886-9 (Online).
13. Nabende, P. (2015, January). An Evaluation of N-gram Correspondence Models for Transliteration Detection. In Khaled Elleithy and Tarek Sobh (eds.), New Trends in Networking, Computing, E-Learning, and Engineering (pp 615-622), Springer International Publishing. ISBN 978-3-319-06763-6 (Print) 978-3-319-06764-3 (Online).

Book Chapters

- 1) Miiró E., and Maiga G. (2015). A Model of e-Health Acceptance and Usage in Uganda: The perspective of Online Social Networks, in e-infrastructures for developing countries, A. Nungu et. al., (Eds): AFRICOMM 2014, LNICST 147, pp 115- 126 , 2015, DOI 10.1007/978-3-319 -16886-9-12, ISBN 978-3-319-16885-2(Print), 978-3-319-16886-9 (Online)
- 2) Byomire G., and Maiga G. (2015). Adoption and Use of Mobile Phones for Maternal Healthcare Service Delivery, in e-infrastructures for developing countries, A. Nungu et. al., (Eds): AFRICOMM 2014, LNICST 147, pp 103- 114 , ISBN 978-3-319-16885-2(Print), 978-3-319-16886-9 (Online)

College of Humanities and Social Sciences

Ochen, Eric Awich (2015) Children and young mothers Agency in the midst of Conflict: a review of the experiences of young people in Northern Uganda. Journal of Child Abuse and Neglect, Published on line at: <http://www.sciencedirect.com/science/article/pii/S014521341500006X> doi:10.1016/j.chiabu.2015.01.005

1. Ochen, Eric Awich (2015) Psychosocial Support for formerly abducted youth in Northern Uganda. In: Schott, E. & Weiss, E. (Eds). Social Work Practice in Health, Mental Health & Communities: A Meta-framework for Micro, Mezzo, Macro and Global Action. Thousand Oaks, CA: Sage Publications
2. Ochen, Eric Awich (2014) Traditional Acholi mechanisms for reintegrating Ugandan child abductees. Anthropology Southern Africa, 2014 Vol. 37, No. 3&4, 239-251, Published online on 5th January 2015 <http://dx.doi.org/10.1080/23323256.2014.993809>
3. Mivule. B. Mabingo (2015), Refugees, migrants, visitors and internally displaced persons: investigating acculturation in Academia: The online platform for Taylor & Francis Group content <http://www.tandfonline.com/doi/abs/10.1080/07294360.2015.1121210?journalCode=cher20>

4. Mivule. B. Mabingo (2015), Decolonizing Dance Pedagogy: Application of Pedagogies of Ugandan Traditional Dances in Formal Dance Education; Journal of Dance Education Volume 15, Issue 4, <http://www.tandfonline.com/eprint/IVYSeVmt5kH2QeYhdXG5/full>
5. Ahikire, J. and Mwiine, A. A. (2015). 'The politics of promoting gender equity in contemporary Uganda: Cases of the Domestic Violence Law and the policy on Universal Primary Education' ESID Working Paper No. 55. Manchester, UK: University of Manchester. http://www.effective-states.org/wp-content/uploads/working_papers/final-pdfs/esid_wp_55_ahikire_mwiine.pdf
6. Ahikire, J. Musiimenta, P. & Mwiine, A. 2015. 'Making a Difference: Embracing the challenge of women's substantive engagement in political leadership in Uganda' in the Journal of Feminist Africa, 20. http://agi.ac.za/sites/agi.ac.za/files/3_fa20_feature_2_5.pdf
7. Bantebya-Kyomuhendo & Mwiine, A. (2015): "Poverty the invisible and inseparable 'shadow': Reflections from the media and the better off in rural Uganda" in Chase, E and Bantebya-Kyomuhendo (eds) Poverty and Shame: Global Experiences, Oxford: Oxford University Press. <http://www.oxfordscholarship.com/view/10.1093/acprof:oso/9780199686728.001.0001/acprof-9780199686728>
8. Muhanguzi F.K 2015 "Sex is sweet": Women from low-income contexts in Uganda talk about sexual desire and pleasure, Reproductive Health Matters: Volume 23 No. 46
9. Bantebya G.K; Muhanguzi F.K and Watson C 2015. 'This is not the work of a day': Communications for social norm change around early marriage and education for adolescent girls in Uganda. Overseas Development Institute: London
10. Mabingo, A. (2015). NYU dance education study abroad program to Uganda: impact on work experiences of study abroad alumni in New York City. Research in Dance Education, 16(2), 99-113.
11. Mabingo, A. (2015). Integrating emerging technologies in teaching Ugandan traditional dances in K-12 schools in New York City. Curriculum Journal, (ahead-of-print), 1-22.
12. Mabingo A. (2015). Dancing into Academia: Trajectories of Traditional Dances from Community-Based Practices to Pre-Tertiary and Tertiary Education in Uganda. In S. Schonmann (Ed.), The Wisdom of the Many: Key Issues in Arts Education, (pp. 141-147). Munster: Waxmann.
13. Music as Dance and Dance as Music: Interdependence and Dialogue in Baganda Baakisimba Performance," in the Yearbook for Traditional Music issue of Volume 47 (2015)
14. Sabiti Makara, 2015. Elections in a Hybrid Regime: Revisiting the 2011 Ugandan, Fountain Publishers
15. Reporting land conflict in Uganda: A genre and appraisal theoretical analysis of Runyankore-Rukiga newspaper reports, Levis Mugumya and Marianna Visser, International Journal of Language and Culture 2:1 (2015), 108–131
16. Writing dictatorship and Misrule in Uganda: Susan N. Kiguli's The African Saga, Social Dynamics: Danson S. Kahyana , A journal of African studies, 2015 Taylor and Francis
17. Can reflection boost competences development in organizations? Florence Nansubuga, John C. Munene and Joseph M. Ntayi Makerere University, Kampala, Uganda, 2015
18. Space and Representation: On "Authentic" Identities and the Façade of Total Revolution, Yusuf K. Serunkuma, 2015, Publisher: Dhaxalreeb Xagaaga, Hargeisa International Book Fair 2015/Redsea Cultural Foundation

19. Social struggles in Uganda's Acholiland: Understanding Responses and Resistance to Amuru Sugar Works, Giuliano Martiniello, *Journal of Peasant Studies*, Vol. 42, No.2, 2015, Taylor and Francis Online
20. The Social-Political Dynamics of Anti-Homosexuality Legislation in Uganda, Stella Nyanzi, Andrew Karamagi, Vol.29, 2015, Number: 24, Taylor and Francis
21. Food sovereignty as Praxis: Rethinking the Food Question in Uganda, Giuliano Martiniello, *Third World Quarterly*, Vol.36, No.3, 2015, Taylor & Francis Online
22. Regional and Ethnic Identities: the Acholi of Northern Uganda, 1950–1968, Elizabeth Laruni, *Journal of Eastern African Studies*, 2015, Taylor & Francis Online
23. Settler Colonialism: Then and Now, Mahmood Mamdani, *Critical Inquiry*, Vol.41, No.3, 2015
24. Beyond Nuremberg: The Historical Significance of the Post-apartheid Transition in South Africa, Mahmood Mamdani, *Politics & Society*, Vol.43, No.1, 2015

College of Natural Sciences

1. Mulindwa, J., Merce, C., Matovu, E., Enyaru, J., Clayton, C., (2015). Transcriptomes of newly-isolated Trypanosome brucei rhodesiense reveal hundreds of mRNAs that are co-regulated with stumpy form markers. *BMC Genomics*;16:1118
2. Wacoo, A.P., Ocheng, M., Wendi, D., Vuzi, P.C., Hawumba, J.F. (2015). Development and Characterization of an Electroless Plated Silver/Cysteine Sensor Platform for the Electrochemical Determination of Aflatoxin B 1 *Journal of Sensors* ID 3053019
3. Wacoo, A.P., Mathew Ocheng, M., Wendi, D., Joseph F. Hawumba, J.F., Vuzi, P.C. (2015). Laboratory Evaluation of the Performance of a Portable Electrochemical Biosensor (PEB) for testing aflatoxin B1. *Journal of Sensors*
4. Ocheng, M., Wacoo, A.P., Wendi, D., California, P., Vuzi, P.C., Hawumba, J.F. (2015). The Assembly of a field-deployable biosensor device operating on the electroless silver plated sensor platform for detection of aflatoxin B1. *Journal of Sensors*
5. Wacoo, A.P., Mathew Ocheng, M., Wendi, D., Vuzi, P.C., Hawumba, J.F. (2015). Aflatoxin B1 biosensor operating on an electroless plated silver/cysteine sensor platform. *Journal of Sensors*, ID 3053019
6. Lamour, S.D., Gomes-Romero, M., Vorkas, P.A., Alibu, V.P., Saric, J., Holmes, E., Sternberg, J.M. (2015). Discovery of infection associated Metabolic markers in human African Trypanosomiasis. *PLoS Negl Trop Dis* 9(10):e0004200.
7. Alibu, V.P., Enyaru, J.C.K., Matovu, E., Malele, I.I., John, E., Chisi, Mbongo, C.N., Mansinsa, P., Intisar, E.R., Mohammed, Y., Abdelrahman, M.M., Ochi, E.B., Lukaw, Y.S. (2015). Molecular xenomonitoring of trypanosomes in tsetse flies. *Journal of Parasitology and Vector Biology* 7(6):108-114
8. Kato, C.D., Alibu, V.P., Nanteza, A., Mugasa, C.M., Matovu, E. (2015). Interleukin (IL) -6 and IL-10 are upregulated in late stage Trypanosoma brucei rhodesiense sleeping sickness. *PLoS Negl Trop Dis*. 9(6):e0003835
9. Tindana, P., de Vries, J., Campbell, M., Littler, K., Seeley, J., Marshall, P., Troyer, J., Ogundipe, M., Alibu, V.P., Yakubu, A., Parker, M.: as members of the H3A Working Group on Ethics. (2015). Community engagement strategies for genomic studies in Africa: a review of the literature. *BMC Medical Ethics* 16(1):24

10. Kato, C.D., Nanteza, A., Mugasa, C., Edyelu, A., Matovu, E., Alibu, V.P. (2015). Clinical profiles and disease outcome and co-morbidities among T. b rhodesiense sleeping sickness patients in Uganda. *PLoS One*. 10(2):e0118370.
11. Enyaru, J.C.K., Njuguna, J.A., VP, Matovu, E., Malele, I.I., Chisi, J.E., Mbongo, N., Mansinsa, P., Intisar, E.R., Mohammed, Y., Mustafa, M., Abdelrahman, M.M., Ochi, E., Natulya, V. (2015). Development and evaluation of lateral flow test for the detection of trypanosomes in tsetse flies. *Jr Journal of Parasitology and Vector Biology* 6(12):181-188.
12. hodu, .R, Sistrom, M., Bateta, R., Murilla, G., Okedi, L., Aksoy, S., Enyioha, C., Enyaru, J., Opiyo, E., Gibson, W., Caccone, A. (2015). Genetic diversity and population structure of *Trypanosoma brucei* in Uganda: implications for the epidemiology of sleeping sickness and Nagana. *PLoS Negl Trop Dis*. 9(2):e0003353.
13. Baingana, R.K., Enyaru, J.K., Tjalsma, H., Swinkels, D.W., Davidsson, L. (2015). The aetiology of anaemia during pregnancy: a study to evaluate the contribution of iron deficiency and common infections in pregnant Ugandan women. *Public Health Nutr*. 18(8):1423-35.
14. Galukande, M., Katamba, A., Nakasujja, N., Baingana, R., Bateganya, M., Hagopian, A., Tavrow, P., Barnhart, S., Luboga, S. (2015) Developing hospital accreditation standards in Uganda. *Int J Health Plann Manage*. doi: 10.1002/hpm.2317
15. Byakika-Kibwika, P., Kutesa, A., Baingana, R., Muhumuza, C., Kitutu, F.E., Mwesigwa, C., Chalo, R.N., Sewankambo, N.K. (2015). A situation analysis of inter-professional education and practice for ethics and professionalism training at Makerere University College of Health Sciences. *BMC Res Notes*. 8:598. doi: 10.1186.
16. Bailey, R.J., Baingana, R.K., Couper, I.D., Deery, C.B., Nestel, D., Ross, H., Sagay, A.S., Talib, Z.M. (2015). Evaluating community-based medical education programmes in Africa: A workshop report. *Afr J Health Prof Educ*. 7(1):140-144
17. dong, R., Kansiime, F., Omara, J., Kyambadde, J. (2015). Tertiary treatment of abattoir wastewater in a horizontal subsurface flow-constructed wetland under tropical conditions. *International Journal of Environment and Waste Management* 15(3):257
18. Wembabazi, E., Mugisha, P.J., Ratibu, R., Deborah Wendi, D., Kyambadde, J., and Vuzi, P.C. (2015). Spectroscopic Analysis of Heterogeneous Biocatalysts for Biodiesel Production from Expired Sunflower Co Conferences and Workshops
19. Musisi, E., Kasozi, D.M., Kaswabuli, S., Sanyu, I., Worodria, W., Walter, N., Huang, L. (2015). Markers of oxidative damage in HIV and HIV/TB coinfecting patients on highly active antiretroviral therapy. P035 11th Joint Annual Scientific Health Conference, 23rd-25th September Speke Resort Munyonyo Kampala Uganda
20. Atiku, S.M., Bukenya, A., Kasozi, D.M. (2015). Oxidative stress in sickle cell disease patients with *Plasmodium falciparum* malaria. P02711th Joint Annual
21. Dr. Dan Isabirye Use of accelerometers in measurement of Physical activity, organised by IAEA 14 – 18th December 2015, Department of Food Science and Nutrition, Makerere University.
22. Kabi, F., Masembe, C., Negrin, R., Muwanika, V. (2015). Patterns of indigenous female cattle morphometric traits variations in Uganda: Evidence for farmers' selection to enhance agro-ecological fitness. *Animal Genetic Resources* 1:12.

23. Chenais, E., Boqvist, S., Sternberg-Lewerin, S., Emanuelson, U., Ouma, E., Dione, M., Aliro, T., Craford, F., Masembe, C., Stahl, K. (2015). Knowledge, Attitudes and Practices Related to African Swine Fever Within Smallholder Pig Production in Northern Uganda. *Transboundary and Emerging Diseases*. doi: 10.1111/tbed.12347
24. Musinguzi, L., Efitre, J., Odongkara, K., Ogutu-Ohwayo, R., Olokotum, M., Namboowa, S., Naigaga, S. (2015). Fishers' perceptions of climate change, impacts on their livelihoods and adaptation strategies in environmental change hotspots: a case of Lake Wamala, Uganda. *Environment, Development and Sustainability* 1-9
25. Muhangi, D., Masembe, C., Emanuelson, U., Boqvist, S., Mayega, L., Ademun, R.O., Bishop, R.P., Ocaido, M., Berg, M., Ståhl, K. (2015). A longitudinal survey of African swine fever in Uganda reveals high apparent disease incidence rates in domestic pigs, but absence of detectable persistent virus infections in blood and serum. *Veterinary Research*, 11:106
26. Kabi, F., Muwanika, V., Masembe, C. (2015). Spatial distribution of Brucella antibodies with reference to indigenous cattle populations among contrasting agro-ecological zones of Uganda. *Preventive Veterinary Medicine* 121(1-2):5-63
27. Muwanika, V., Kabi, F., Masembe, C. (2015). Population genetic structure of Theileria parva field isolates from indigenous cattle populations of Uganda. *Ticks and Tick-Borne Diseases* 1877-959X (15)30037-6
28. Isabirye B.E., Masembe, C., Akol, A.M., Muyinza, H., Rwomushana, I., Nankinga, C.K. (2015). Modeling the Potential Geographical Distribution and Ecological Niche of Selected Fruit Fly (Diptera: Tephritidae) Species in Uganda. *Journal of Plant and Pest Science* 2(1): 18-33
29. Luyiga, S., Haande, S., Semyalo, R.P., Kizito, Y.S., Muyingo, A.K., Brettun, P., Solheim, A.L., Odong, R., Asio, S.M., Jensen, K.H., Larsson, P. (2015). How Water Exchange and seasonality affect the Eutrophication of Murchison Bay, Lake Victoria. *Limnologia* 53:60-73
30. Thorarensen, H., Kubiriza, G.K., Imsland, A.K. (2015). Experimental Design and Statistical Analyses of Fish Growth Studies. *Aquaculture* 448:483–490
31. Natugonza, V., Ogutu-Ohwayo, R., Efitre, J., Muyodi, F., Mbabazi, D., Olokotum, M., Musinguzi, L., Naigaga, S., Namboowa, S. (2015). The Responses of Nile Tilapia Oreochromis Niloticus (Linnaeus, 1758) in Lake Wamala (Uganda) to Changing Climatic Conditions. *Lakes & Reservoirs: Research & Management* 20(2):101-119
32. Chenais, E., Sternberg-Lewerin, S., Boqvist, S., Emanuelson, U., Aliro, T., Tejler, E., Cocca, G., Masembe, C., Ståhl, K. (2015) African swine fever in Uganda: qualitative evaluation of three surveillance methods with implications for other resource-poor settings. *Front. Vet. Sci.* 2:51.
33. Nabirye, H., Mwebaza-Ndawula, L., **Bugenyi, F.W.B., Muyodi, F.J.** (2015). The evaluation of cage fish farming effects on water quality using selected benthic macro-invertebrate community parameters in the Napoleon Gulf, northern Lake Victoria. *International Journal of Fisheries and Aquatic Studies* 4(1): 42-50.
34. Doreen, N., Okot-Okumu, J., **Muyodi, F. J.** (2015). Microbial safety assessment of recreation water at Lake Nabugabo, Uganda. *African Journal of Environmental Science and Technology* 9(10):773-782
35. Musinguzi, L., **Efitre, J.**, Odongkara, K., Ogutu-Ohwayo, R., **Muyodi, F.J.**, Natugonza, V., Olokotum, M., Namboowa, S., Naigaga, S. (2015). Fishers' perceptions of climate change, impacts on their livelihoods and adaptation strategies in environmental change hotspots: a case of Lake Wamala, Uganda. *Environment Development and Sustainability* 07/2015; DOI: 10.1007/s10668-015-9690-6.

36. **Bulafu, C.** (2015). Disturbance driven abundance-occupancy relationships over time in tropical forest fragments. *African Journal of Ecology* 53(4):502- 511
37. **Tugume, A.K.**, Mukasa, S.B., Valkonen, J.P.T. (2015) Transmission of the viruses commonly detected in sweetpotatoes and wild species of Convolvulaceae in East Africa: many gaps to fill. In: Vector-Mediated Transmission of Plant Pathogens. J.K. Brown (ed.). APS Press, American Phytopathological Society, USA (in press; invited contribution).
38. Buttibwa, M., Kawuki, R.S., **Tugume, A.K.**, Akol, J., Magambo, S., Apio, H., Heberle-Bors, E., Wedzony, M., Ceballos, H., Hershey, C., Baguma, Y. (2015). In vitro embryo rescue and plant regeneration following self-pollination with irradiated pollen in Cassava (*Manihot esculenta* Crantz). *African Journal of Biotechnology*, 14(27):2191-2201, doi: 10.5897/AJB2015.14577.
39. **Godwin Anywar** and Claude Kirimuhuzya (2015). Phytochemical and Antibacterial Activity of Crude Extracts of the Pod of *Aframomum Angustifolium* (Sonn.) K.Schum. *European Journal of Biological Research*. 5 (2): 36-41
40. **Kakudidi, E.**, Ayorekire, F., Okeng-Ogwal, J., **Anywar, G.** (2015). Phytochemical Analysis and Screening of Ugandan Medicinal Plants for Antifungal Activity against *Candida albicans* Kakudidi. *International Journal of Tropical Diseases & Health* 9(1): 1-8.
41. **Kakudidi, E.**, **Anywar, G.**, Ayorekire, F. Ogwal-Okeng, J. (2015). Antifungal medicinal plants used by communities adjacent to Bwindi Impenetrable National Park, Uganda. *European Journal of Medicinal Plants* 7(4): 184-192, 2015, ISSN: 2231-0894
42. Ntume, R., **Anywar, G.** (2015). Ethnopharmacological survey of medicinal plants used in the treatment of snakebites in Central Uganda. *Current Life Sciences*. 1(1): 6-14
43. Buttibwa, M., Kawuki, R.S., **Tugume, A.K.**, Akol, J., Magambo, S., Apio, H., Heberle-Bors, E., Wedzony, M., Ceballos, H., Hershey, C., Baguma, Y. (2015). In vitro embryo rescue and plant regeneration following self-pollination with irradiated pollen in cassava (*Manihot esculenta* Crantz). *African Journal of Biotechnology*. 14(27), pp. 2191-220
44. **Ojelel, S.**, **Kakudidi, E.K.** (2015). Wild edible plant species utilized by a subsistence farming community in Obalanga sub-county, Amuria district, Uganda. *Journal of Ethnobiology and Ethnomedicine* 11:7
45. **Kakudidi, E.**, **Anywar, G.**, Ayorekire, F., Ogwal-Okeng, J. (2015). Antifungal Medicinal Plants Used by Communities Adjacent to Bwindi Impenetrable National Park, South-Western Uganda. *European Journal of Medicinal Plants*. 7(4): 184-192
46. **Anywar, G.**, Kirimuhuzya, C. (2015). Phytochemical profile and anti bacterial activity of crude extracts of the pod of *Aframomum angustifolium* (Sonn.) K. Schum. *European Journal of Biological Research*. 5 (2): 36-41
47. Ntume, R., **Anywar, G.** (2015). Ethnopharmacological survey of medicinal plants used in the treatment of snakebites in Central Uganda. *Current Life Sciences*, 1 (1): 6-14
48. Chaofei Zhu, Pu Wang, Yingming Li, Zhaojing Chen, Wenjuan Li, **Patrick Ssebugere**, Qinghua Zhang, Guibin Jiang (2015). Bioconcentration and Trophic Transfer of Polychlorinated Biphenyls and Polychlorinated Dibenzo-P- Dioxins and Dibenzofurans in Aquatic Animals from an E-Waste Dismantling Area in East China. *Environmental Science Processes and Impacts*. 17:(3):693- 9
49. Zhu, C.; Li, Y.; Wang, P.; Chen, Z.; Ren, D.; Ssebugere, P.; Zhang, Q.; Jiang, G. (2015). Polychlorinated biphenyls (PCBs) and polybrominated biphenyl ethers (PBDEs) in environmental samples from Ny-Ålesund and London Island, Svalbard, the Arctic. *Chemosphere* 126:40-46.
50. **Nsamba, H.**, Hale, S., Cornelissen, G., Bachmann, R. (2015) Sustainable Technologies for Small-Scale Biochar Production—A Review. *Journal of Sustainable Bioenergy Systems*, 5, 10-31.
51. Mohd Salleh, M.A., **Nsamba, H.K.**, Yusuf, H.M., Idris, A., W. A. Wan Ab. Karim Ghani. (2015). Effect of Equivalence Ratio and Particle Size on EFB Char Gasification. *Energy Sources*, 37(5)1647-1662

52. **Nsamba, H.**, Hale, S., Cornelissen, G., Bachmann, R. (2015) Designing and Performance Evaluation of Biochar Production in a Top-Lit Updraft Up-scaled Gasifier. *Journal of Sustainable Bioenergy Systems*, 5(2)41-55.
53. **Nnamuyomba, P., Mbabazi, J., Ntale, M.** (2015). "Trace elements in marketed *Rastroneobola argentea* and *Clarias wernerii* caught from selected aquatic ecosystems in Uganda." *International Journal of Current Trends in Engineering & Technology*, Vol. 1, Issue 3, pp. 76 – 82.
54. **Nalumansi, I., Mbabazi, J., Ssekaalo, H., and Ntale, M.** (2015). "Effect of various reductants on the spectral characteristics of the reduced phosphopolyoxomolybdate anion, and its application to orthophosphate anion quantification in selected Ugandan waters." *International Journal of Current Trends in Engineering & Technology*, Vol. 1, Issue 2, pp. 59 – 66
55. **Asiima, A.R., Mbabazi, J., Tebandeke, E., Ntale, M.** (2015). "Trace metal and nutrient constitution of rain water and sediment/sludge harvested in various storage tanks from galvanized iron roof tops in Kampala City, Uganda." *Caribbean Journal of Science and Technology*, Vol. 3, pp. 718 – 730.
56. **Schumann, A., Muwanga, A., Lehto, T., Staudt, M., Schlüter, T., Kato, V., Nambooyera, A** (2015). Ugandan Geosites. *Geology Today*, 31(2):60-67
57. **Nampala H., Luboobi L.S., Mugisha J.Y.T., Obua C., Jablonska-Sabuka, M., Heilio, M.** (2015) Modelling Effective Antiretroviral Therapy that Inhibits HIV Production in the Liver. *Journal of Antivirals and Antiretrovirals* 7: 43-51.
58. **Gamukama, E.A, Larson, A., Popov, O., and Mugisha, J.Y.T.** (2015). The Decision Model for the Internet Services in the Context of Development. *Procedia Computer Science* 55: 622 – 631.
59. **Luboobi, L.S., Mlay, G.M., V, D., Shahada, F.** (2015). Optimal treatment and vaccination control strategies for the dynamics of pulmonary tuberculosis. *International Journal of Advances in Applied Mathematics and Mechanics*, 2(3):196-20
60. **Namaweje, H., Ghosh, S., Ferrari, M., Luboobi, L.S.** (2015). Modeling the impact of three dose vaccination and treatment strategies on optimal control of rotavirus disease. *Asian Journal of Mathematics and Applications* 2015:2307- 7743
61. **Sseviiri, D.** (2015) A Relationship between 2-Primal Modules and Modules that Satisfy the Radical Formula. *International Electronic Journal of Algebra* 18:34-45
62. **Kurama, O., Luukka, P. and Collan, M.** (2015). Credit Analysis Using a Combination of Fuzzy Robust PCA and a Classification Algorithm, in *Advances in Intelligent Systems and Computing*, Vol. 377, Springer International Publishing Switzerland.
63. **Kinene, T., Luboobi, L.S., Nannyonga, B., Mwanga, G.G.** (2015) A Mathematical Model for the Dynamics and Cost Effectiveness of the Current Controls of Cassava Brown Streak Disease in Uganda. *Journal of Mathematical and Computational Science* 5(4): 567-600
64. **Nannyonga, B., Luboobi, L.S., Tushemerirwe, P., Jablonska-Sabuka, M.** (2015). Using Contaminated Tools Fuels Out Breaks of Banana X Anthracnose Wilt: An Optimal Control Study With in Plantations Using Runge–Kutta Fourth-Order Algorithms. *International Journal of Biomathematics* 8(5)
65. **Nannyonga, B., Mwanga, G.G., Luboobi, L.S.** (2015). An Optimal Control Problem for Ovine Brucellosis with Culling. *Journal of Biological Dynamics*, 9(1): 198-214
66. **Ega, T.T., Luboobi, L.S., Kuznetsov, D.** (2015). Modeling the Dynamics of Rabies Transmission with Vaccination and Stability Analysis. *Applied and Computational Mathematics* 4(6):409-419
67. **Muyimbwa, D., Dahlback, A., Ssenyonga, T., Chen, Y.C., Stamnes, J.J., Frette, Ø., Hamre, B.** (2015). "Validation of ozone monitoring instrument ultraviolet index against ground-based UV index in Kampala, Uganda," *Appl. Opt.* 54:8537-8545

68. Muyimbwa, D., Frette, Ø., Stamnes, J. J., **Ssenyonga, T.**, Chen, Y. C., Hamre, B. (2015). (2015). Aerosol optical properties and precipitable water vapor column in the atmosphere of Norway. *Applied optics*, 54(6):1505-1514.
69. Opio, A., Jones, M.B., Kansiime, F., **Otiti, T.** (2015). Influence of climate variables on *Cyperus papyrus* stomatal conductance in Lubigi wetland, Kampala, Uganda. *African Journal of Aquatic Science*, 1-6.
70. **Ojelel, S., Otiti, T., Mugisha, S.** (2015). Fuel value indices of selected wood fuel species used in Masindi and Nebbi districts of Uganda. *Energy, Sustainability and Society* 5:14
71. **D.Okello, D.**, VanDyk, E.E., Vorster, F.J. (2015). Analysis of measured and simulated performance data of a 3.2kWp grid-connected PV system in Port Elizabeth, South Africa. *Energy Conversion and Management* 100:10–15
72. Opio, A., Jones, M.B., Kansiime, F., **Otiti, T.** (2015). Dissolved organic carbon in a tropical wetland dominated by *Cyperus papyrus*. *Wetlands Ecology and Management* 23(3)
73. Opio, P., **D'ujanga, F.M., Ssenyonga, T.** (2015). Latitudinal variation of the ionosphere in the African sector using GPS TEC data. *Advances in Space Research* 55(6):1640–1650
74. **D'ujanga, F.M., Taabu, S.D.** (2015). Study on the occurrence characteristics of VHF and L-band ionospheric scintillations over East Africa. *Indian Journal of Radio & Space Physics (IJRSP)* 43(4-5) 263-273
75. Ayugi, G., Kisolo, A., **Ireeta, W.T.** (2015). Telecommunication Frequency Band Spectrum Occupancy in Kampala Uganda. *International Journal of Research in Engineering and Technology* 4(9)



dfcu Bank staff handover Computers to Mak 15th October 2015



Stanbic Bank staff handover Computers to Mak 24th April 2015



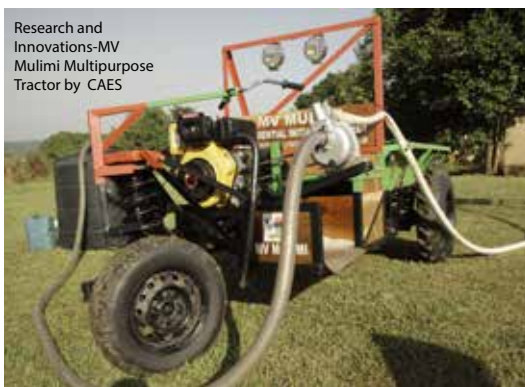
Professor Oloka Onyango Inaugural Lecture
12th November 2015



SOL Students at the LAW Commonwealth-Moot-Court-Competition-2014



President visits Mak 23rd May 2015.



Research and Innovations-MV Mulimi Multipurpose Tractor by CAES



Drone Innovations by CEDAT Students

Makapp

Info at your finger tip

Aim of the intervention:
To develop the pioneer mobile app, to leverage fast deployment of and access to information by the students, staff, and key stakeholders of Makerere University.

Objectives:

1. Integrate the mobile strategy into the university communication strategic plan as a proof of concept;
2. Develop a university resource that offers extra-curricula opportunities;
3. Improve information sharing among staff and students;
4. Empower the monitoring of planned activities by getting data accessible in commonly used hand devices.

MAKERERE UNIVERSITY
Directorate of Quality Assurance
Room 203, Senate Building Makerere University
P.O. Box 7042, Kampala, Uganda
Tel: +256 414 533809 Fax: +256 414 533640
Email: <http://qad.mak.ac.ug>



CAES Student Internship Exhibition 8th August 2014



CAES Students Exhibition 9th April 2015

