



## CURRICULUM VITAE

### BEATRICE K. M. AMUGUNE

#### A. PERSONAL DETAILS

**Contact address:** P.O. Box 2119 KNH, 00202 Nairobi

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**Marital status:** Married

**Date of birth:** 18<sup>th</sup> May 1962

#### B. CAREER GOAL

To be a knowledgeable and competent Consultant Pharmacist in the areas of Pharmacy Education, Drug and food Quality Control, Radio-pharmacy, Scientific and Clinical research guided by professionalism and integrity.

#### C. EDUCATION BACKGROUND

Year	Institution	Qualification
2015	Stellenbosch University	Postgraduate Dip ( Health Research Ethics)
2013	University of Nairobi	Ph. D (Pharmaceutical Chemistry)
2002	University of Nairobi	M. Pharm. (Pharmaceutical analysis)
1986	University of Nairobi	B. Pharm.
1980	Alliance Girls High School	Kenya Advanced Certificates of Education.
1978	Alliance Girls High School	East African Certificates of Education
1974	Mudete Primary School	Certificate of Primary Education

#### D. WORK EXPERIENCE

July 2014- to date	Senior Lecturer- Dept. of Pharmaceutical Chemistry, University Of Nairobi
2003- June 2014	Lecturer- Dept. of Pharmaceutical Chemistry, University Of Nairobi
1993-2003	Pharmacist- University of Nairobi Health Services
1988- 1993	Bungoma District Pharmacist
1986- 1988	Pharmacist- Ministry of Health- New Nyanza Provincial General Hospita

#### E. OTHER APPOINTMENTS

1. 2016- Member, KEMRI ERC and KEMRI Scientific and Ethics Review Unit (SERU) Committee A
2. 2005- to date-Member, Kenyatta National Hospital /University Of Nairobi Ethical Review and Research Committee
3. Back up Consultant Pharmacist at Kenya AIDS Vaccine Initiative (KAVI) Institute of Clinical Research i). September 2005 to February 2008 - in the DNA prime/Adeno5 virus vector boost vaccine trial (Protocol V001) and ii) Switching at low HIV-I RNA into fixed Dose combinations (SALIF) protocol -A phase 3b, randomized, open-label clinical study.

4. 2005 to date -Member Special Dietary Technical committee, Food Industry Standards Committee and National Codex Committee of Kenya Bureau of Standards; KENYA.
5. 2009 to date- Member, Training & Assessment Technical Committee, Pharmacy & Poisons Board, Kenya.

#### **F. RESEARCH PROJECTS AND AWARDS**

1. 2001(October/ November): Measuring drug prices in low & middle Income countries. The Kenya study. Health Action/ WHO Co-funded study. (Principal investigator: Prof. Isaac Kibwage; Role: Researcher)
2. 2002(October/November: Development & pretesting of tools for measuring access to anti-malarial medicines in Kenya, WHO funded study. (Principal investigator: Prof. Isaac Kibwage; Role: Researcher )
3. 2005- Graduate research Grant by African Institute for Capacity Development (AICAD) (Principal Investigator: Prof G.N. Thoithi; Role: Graduate researcher).
4. 2007-International Foundation for Science (IFS) research Grant.
5. 2008 to 2010 -Improving of Health Sector Researchers in African, Caribbean Pacific (ACP) Higher Education Institutes by Sharing by sharing Worldwide Recognised IT tools and Experiences financed by the European Community (MEDISHARE PROJECT). Website: [www.cineca.it](http://www.cineca.it) (Principal investigator: Prof. Grace N. Thoithi: Role: Work Package Coordinator).
6. 2009- National Council for Science and Technology (NCST) Science, Technology and Innovation (ST & I) Women Scientists Grant (Principal Investigator: Dr. Esther N. Matu-KEMRI; Role: Co-investigator).
7. 2011-Kenya–South African Research Partnership programme bilateral agreement joint research Grant. (Principal Investigators: Profs G.N. Thoithi and K. Chibale. Role: Co-Investigator).
8. 2009-2013-RAF 2008: Expanding and strengthening radiopharmaceutical services in Africa. Funder: International Atomic Energy Agency (IAEA) Country Coordinator: Grace N. Thoithi; Role: Co-coordinator).
9. 2012- MEPI-Mental-Health linked NIHM award ((Principal investigator: Dr Muthoni Maathai Role: Co- investigator).
10. 2015- Fogarty International Centre and Office of AIDS Research, OD and National Institute of Allergy and Infectious Diseases and the National institute of Mental Health of the National Institutes of Health Award (Number R25 TW 008981 to the ARESA project.(Role : Post graduate student, Stellenbosch University).
11. 2016- International Atomic Energy Agency project (C7-RAF6049-005/16). Strengthening radio-pharmacy services in Africa. Role: Country Co-ordinator.

#### **G. TRAINING WORKSHOPS / CONFERENCES ATTENDED**

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| 17 <sup>th</sup> - 19 <sup>th</sup> Jun, 2014  | Training in PhD Supervision, organised by DVC (RP &E), University of Nairobi.  |
| 29 <sup>th</sup> Oct-3 <sup>rd</sup> Nov, 2012 | Advanced Course on Curriculum and Course Design in Medical Education. Maastricht University, The Netherlands.  |
| 26 <sup>th</sup> -29 <sup>th</sup> July 2011   | Medical Teacher Training course hosted by PRIME-K, at UNITID Nairobi.  |
| 28 <sup>th</sup> Aug-2 <sup>nd</sup> Sept 2010 | International Pharmaceutical Federation (FIP) - 70th World Congress of Pharmacy and Pharmaceutical Sciences, Lisbon, Portugal.                               |
| 23 <sup>rd</sup> -27 <sup>th</sup> Aug. 2010   | Leadership, policy and management training by University of Washington and UNITID Fellowship Program in Chiromo, Nairobi.                                    |
| 16 <sup>th</sup> -20 <sup>th</sup> Mar, 2010   | Botanical Biodiversity documentation and Screens to Nature Training by Rutgers State University and NC State University. Nairobi, KENYA. Sponsored by Global |

	Institute for BioExploration (GIBEX-Africa).
2 <sup>nd</sup> – 6 <sup>th</sup> Nov, 2009	Regional (AFRA) Training course on <i>in vitro</i> & <i>in vivo</i> Nuclear Medicine in the management of Thyroid Disease, Bamako, Mali. Sponsored by International Atomic Energy Agency (IAEA), VIENNA.
10 <sup>th</sup> – 12 <sup>th</sup> Aug, 2009	WHO/ UNESCO/ FIP Global Pharmacy Education, Task Force – Pharmacy Education In Africa- Country Case Study Workshop, Nairobi.
15-19 <sup>th</sup> Dec. 2008.	Research and Management skills for Women in Natural and Agricultural Sciences workshop at CMRT, Egerton University, Njoro, Kenya. Co-sponsored by The International Foundation For Science (IFS) and the United Nations University /Institute For Natural Resources in Africa (UNU/ INRA).
15- 17 April, 2008	FAO Regional Training-of-Trainers Workshop on GMO Food safety Assessment Training within Bio-security Approach, KEPHIS, Nairobi
26-27 Sep., 2007	Short course on “Validation of analytical Methods, Regulatory and Practical Aspects”, Island of Elba, Italy.
23-26 Sep, 2007	12 <sup>th</sup> International meeting on Recent Developments in Pharmaceutical Analysis, Island of Elba, Italy
!7- 26 July 2007	12 <sup>th</sup> Natural products network for Eastern and Central Africa (NAPRECA) training workshop and conference, Kampala, Uganda.
21 <sup>st</sup> Aug- 1 <sup>st</sup> Sept, 2006	Data handling, biostatistics and use of STATA 9 course, UNITID. Conducted by UNITID, Kenya and DBL- Institute for Health Research and Development, Denmark.
20 – 22 Sep. 2005	AIDS Vaccine Trials and Good Clinical Practice (GCP) workshop by Johns Hopkins Bloomberg School of public Health. Sponsored by International AIDS vaccine Initiative (IAVI), Entebbe, Uganda.
31 <sup>st</sup> Oct- 7 <sup>th</sup> Nov 2004	ISN/IBRO 7 <sup>th</sup> African Neuroscience School, International Centre for insect Physiology and Ecology(ICIPE), Nairobi, Kenya.
24 <sup>th</sup> -26 <sup>th</sup> May 2004	Ethics and Research Training Workshop, by KNH/University of Washington, Nairobi, Kenya.

#### **H. REGIONAL AND INTERNATIONAL SYMPOSIA, CONFERENCES AND WORKSHOPS ORGANIZED**

1. National training course on strengthening radio-pharmacy services- Safe practice in Hospital Radio-pharmacy- International Atomic Energy Agency Training Course (C7-RAF6049-005/16). Role: Country project Coordinator. Nairobi. 31<sup>st</sup> October -4<sup>th</sup> November 2016
2. Hospital Radiopharmacy- IAEA Operational Levels 1 & 2. A International Atomic Energy Agency Training Course. Role: Facilitator and Organizing Committee member. Nairobi. 2<sup>nd</sup> – 6<sup>th</sup> July 2012
3. Medishare closing conference. Role: Organizing Committee member, UN, Nairobi. 26th-27th October, 2010.
4. Preserving and Evaluating Biodiversity through Documentation and the Screens-to-Nature Technology. GIBEX-Africa project Training Workshop Role: Organizing Committee member. University of Nairobi, Nairobi, Kenya. March 16<sup>th</sup> -20<sup>th</sup>, 2010
5. Medishare regional conference. Role: Organizing Committee member, Nairobi. 2009.

## I. FACILITATION AT CONFERENCES, TRAININGS

1. National training course on strengthening radio-pharmacy services- Safe practice in Hospital Radio-pharmacy- International Atomic Energy Agency Training Course (C7-RAF6049-005/16). Nairobi; 31<sup>st</sup> October -4<sup>th</sup> November 2016. Role: Facilitator.
2. Mission for Essential Drugs and Supplies (MEDS). Training course on Dissolution 25<sup>th</sup> – 27<sup>th</sup> July, 2016, MEDS Centre, Nairobi, Kenya. Role: Lead facilitator
3. Medical Sciences for Health (MSH)/National Quality Control Laboratory. Good Manufacturing Practices (GMP) workshop. 28<sup>th</sup>-30<sup>th</sup> July 2008, 2<sup>nd</sup>-4<sup>th</sup> July 2008, 4<sup>th</sup>-5<sup>th</sup> May 2008, Nairobi, Kenya. Role: Facilitator - Microbiological methods of assay, sampling techniques.
4. Responsible conduct in research training workshop, NIH-University of Nairobi, International Extramural Associates Research Development Award (IEARDA) Program 16<sup>th</sup> -18<sup>th</sup> December, 2013, Nairobi, Kenya. Role: Facilitator on research ethics

## J. PRESENTATION AT CONFERENCES / WORKSHOPS

1. **B. K. Amugune**, G. N. Thoithi, J.W. Mwangi and I. O. Kibwage; Screening for antimicrobial principles from some traditional herbal medicines in Kenya. Paper presented at the 12<sup>th</sup> Natural products network for Eastern and Central Africa (Napreca) workshop and conference, Kampala, Uganda. July 2007, Published in book of proceedings.
2. G. N. Thoithi and **B. K. Amugune**, Some plants used traditionally for antifungal activity in Vihiga district, Western Kenya: Herbal Wash Preparation; AICAD 4<sup>th</sup> Call 2<sup>nd</sup> Phase presentation workshop final reports. May/ June 2009, Juja, Kenya. **Web site:** [www.aicad.or.ke](http://www.aicad.or.ke)

## K. PEER REVIEWED PUBLICATIONS

1. I.O. Kibwage, G.N. Thoithi, K.O. Abuga, **B. Amugune**, K. Bosire and S.N. Ndwigah, *Measuring drug prices in low and middle income countries. The Kenya Report: The Development of Methodology Manual*. Project Meeting, Bellagio, Italy, 3-7 December 2001.
2. G. N. Thoithi and **B. K. Amugune**, Screening of some plants used traditionally for antifungal activity in Vihiga district, Western Kenya. AICAD Research Mini-reviews 4(2005)72-75. Web site: [www.aicad.or.ke](http://www.aicad.or.ke).
3. **B. K. Amugune**, G. N. Thoithi and I. O. Kibwage. Liquid chromatographic separation of phenobarbitone, ethosuximide, phenytoin and carbamazepine on a polystyrene-divinyl benzene column. *Journal of pharmacy and pharmacology* 58(10):supp/1 pp105 (2006).
4. **B. K. Amugune**, G. N. Thoithi and I. O. Kibwage. Liquid chromatographic analysis of phenobarbitone, ethosuximide, phenytoin and carbamazepine on a polystyrene-divinyl benzene column. *East Cent. Afr. J. Pharm. Sci.* Vol.9(1), 2006 19-25.
5. P. N. Karimi , J.M. Bururia, P.A. Odhiambo, **B.K. Amugune** and G.O. Museve. Prevalence and antimicrobial susceptibility of *Enterobacteriaceae* collected from patients with wounds at Kenyatta National Hospital, Nairobi, Kenya. *East Cent. Afr. J. Pharm. Sci.* Vol.12 (2), 2009, 42-45.
6. E.M, Mwengi, C, Cepuch, A Ojoo, **B.K Amugune** D. Kusemerewa, E. Goffin and Ph. Saunders Dispersible Tablets: A Useful Dosage Form for Children. *Practical Pharmacy for Developing Countries* Issue 24: Oct – Dec 2010 Accessed at [apps.who.int/medicinedocs/documents/s17536en/s17536en](http://apps.who.int/medicinedocs/documents/s17536en/s17536en)

7. S. Kauhondamwa, C. Cepuch, A. Ojoo, **B.K. Amugune**, D. Kusemerewa, E. Goffin, Ph. Saunders. Cough and Colds Remedies for Children: Do They Work? Are They Safe? *Practical Pharmacy for Developing Countries* Issue 23: June - Aug2010. Accessed at [apps.who.int/medicinedocs/documents/s17420e/s17420e](http://apps.who.int/medicinedocs/documents/s17420e/s17420e)
8. S. F Shiguedha, C. Cepuch, A. Ojoo, **B K. Amugune**, D. Kusemerewa, E. Goffin, Ph. Saunders et al. Diabetes mellitus: understanding and managing the silent killer. *Practical Pharmacy for Developing Countries* Issue25:Jan-March 2010.25:11. [apps.who.int/medicinedocs/documents/s17745en/s17745en](http://apps.who.int/medicinedocs/documents/s17745en/s17745en).
9. E. N. Matu, P. G. Kirira, E. V. M. Kigundu, E. Moindi, and **B.K. Amugune**. Antimicrobial activity of organic total extracts of three Kenyan medicinal plants. *Afr. J. Pharmacol. Ther.* 2012. 1(1): 14-18.
10. **B. K. Amugune**, J. W. Mwangi, G. N. Thoithi, L. K. Omosa and I. O. Kibwage. Antimicrobial activity and bioactive constituents of *Alectra sessiliflora* (Vahl) Kuntze. Methanol Extract. *East Cent. Afr. J. Pharm. Sci.* Vol. 16(2013) 63-70.
11. K.O. Abuga, **B.K. Amugune**, S.N. Ndwigah, F.N. Kamau, G.N. Thoithi, J.O. Ogeto, A.O. Okaru, J.M. Nguyo, O.K. King'ondou, H.N. Mugo and I.O. Kibwage. Quality Performance of Drugs Analyzed in the Drug Analysis and Research Unit (DARU) during the Period 2006-2010. *East Cent. Afr. J. Pharm. Sci.* Vol. 16 (2013) 33-43
12. S. N. Ndwigah, **B. K. Amugune**, G. N. Thoithi, J. W. Mwangi, H. N. Mugo and I. O. Kibwage. Antibacterial and Antifungal Activity of *Dombeya torrida* ( J. F. Gmel) and *Hydnora abyssinica* (A. Braun). *Afr. J. Pharmacol. Ther.* 2014. 3(1): 14-18.
13. L. K. Omosa, **B.K Amugune**, B. Ndunda, T. K. Milugo, M. Heydenreich, A. Yenesew and J. O. Midiwo. Antimicrobial flavonoids and diterpenoids from *Dodonaea angustifolia*. *South African Journal of Botany* 91 (2014) 58-62.
14. J. K. Kirui, R. Ngure, C. Bii, P. N. Karimi, C. Mutai, **B. K. Amugune**. Combined Antibacterial and Antifungal Activities of *Eucalyptus citriodora* and *Syzygium aromaticum* Essential oils. *Afr. J. Pharmacol. Ther.* 2014. 3(1): 29-37.
15. P.N. Gachangaga, **B.K. Amugune**, J.O. Ogeto, K.O. Abuga; A Liquid Chromatographic Method for the Simultaneous Determination of Amlodipine, Valsartan and Hydrochlorothiazide in Tablets. *East Cent. Afr. J. Pharm. Sci.* 17 (2014) 25-34
16. D. M. Katabalo, D. G. Nyamu, **B.K. Amugune**, P. N. Karimi, F. A. Okalebo, K. O. Bosire, G Muriuki Determinants of Adherence to Anticonvulsant Therapy among Outpatient Epileptic Children in a Kenyan Referral Hospital *Afr. J. Pharmacol. Ther.* 2015. 4(2): 40-47.
17. Rugendo A.B., Karimi P.N., **Amugune B.K.**, Maima A.O. Impact Of Medication Related Problems on Individualized Dispensing at Kenyatta National Hospital. *The Pharm. J. Kenya.* 2015. 22(3):73-77.
18. S.M Jomo, **B.K Amugune**, K.A Sinei., M.N. Oluka. Assessing the prevalence and severity of potential drug-drug Interactions among mentally ill inpatients. *Ind Res J Pharm & Sci.* 2016: 3(1): 331-343.
19. A.I. Waititu, E. M. Mwangangi, **B.K Amugune**, K.O Bosire, Makanyengo M. Impact of depression on adherence to antiretroviral therapy among HIV/AIDS patients at a Kenyan referral hospital. *Afr. J. Pharmacol. Ther.* 2016. 5(1): 15-20.
20. **B K Amugune**, G C Verster. Knowledge and attitude of postgraduate students in Kenya on ethics in mental health research. *S Afr J Bioethics Law* 2016; 9(2):65-68.

#### L. THESES

1. **B. K. Amugune:** Development and validation of a liquid chromatographic method for the simultaneous analysis of anticonvulsant drugs; **M. Pharm. Thesis (2002)**, University of Nairobi.
2. **B.K Amugune:** Screening of ten selected medicinal plants for antibacterial and antifungal activity and the isolation and characterization of bioactive constituents from *Alectra sessiliflora*(Vahl) Kuntze and *Blumea axillaris* ( Lam) DC.; **Ph. D thesis (2013)**, University of Nairobi.
3. **B.K. Amugune.** Knowledge and attitude of post graduate students in Kenya on ethics in mental health research. **PG Dip. (Health Research Ethics) dissertation, (2015)**, Stellenbosch University, SOUTH AFRICA.

#### M. COMPLETED POST GRADUATE SUPERVISION

1. B.B. Maina Mwea(2009). A comparison of phytochemical and hypoglycaemic properties of *Marsdenia sylvestris* (Retz) from different geographical regions of Kenya. Msc. Pharmacognosy and complementary medicine; Supervisors: J.W. Mwangi; F.A. Okalebo and **B. K. Amugune**
2. Peter .N. Karimi (2010). Etiological, risk factors and management of infectious diarrhoea in children at Kenyatta National Hospital. M.Pharm (Clinical Pharmacy); Supervisors: J.N. Ombega, **B.K. Amugune**
3. Wafula Linus M. (2010). A survey of extent of venous thrombo-embolism prophylaxis among medical in-patients in Kenyatta National Hospital. M.Pharm (Clinical Pharmacy). Supervisors: J.N. Ombega, **B.K. Amugune**
4. Ramadhani H. Lukuta (2011). Patterns of thrombo-prophylaxis among orthopaedic surgery patients at Kenyatta National Hospital. M.Pharm (Clinical Pharmacy); Supervisors: K.A. M. Kuria, G.O. Osanjo, D.G. Nyamu and **B.K. Amugune**
5. Timothy K. Panga (2013). Acute post-operative pain assessment and management audit in children aged three to twelve years at Gertrude's Children's Hospital. M.Pharm (Clinical Pharmacy) Supervisors: D.G. Nyamu K.A. M. Kuria, **B.K. Amugune** and T. Ngwiri.
6. Abdallah. I. Waititu (2013). Impact of depression on adherence to antiretroviral therapy among HIV/AIDS patients attending the comprehensive care centre at Kenyatta National Hospital. M.Pharm (Clinical Pharmacy). Supervisors: E. M. Mwangangi, **B.K. Amugune**, K.O. Bosire and M. Makanyengo.
7. Peter N. Gachanganga (2013). Development and validation of a liquid chromatographic method for the simultaneous analysis of amlodipine, valsartan and hydrochlorothiazide. M. Pharm. (analysis). Supervisors: **B K. Amugune**, K.O. Abuga and J.O Ogeto.
8. Dennis K. Muthuma (2013). Acute and sub acute toxicity of dichloromethane-methanol extract of *Techlea trichocarpa* root bark in rats. M.Pharm (analysis). Supervisors: G, N. Thoithi., P.K. Gathumbi and **B.K. Amugune**
9. Deogratias M Katabalo (2014). Determinants of adherence to anticonvulsants therapy among outpatient epileptic children aged two to twelve years a Kenyatta National Hospital. M.Pharm (Clinical Pharmacy). Supervisors: D.G. Nyamu, **B.K. Amugune** and G. Muriuki.
10. Rugendo A. Birichi. (2014). Uptake of inpatient individualised dispensing system at Kenyatta National Hospital. M.Pharm (Clinical Pharmacy) Supervisors: P.N. Karimi, **B.K. Amugune** and K.A.M. Kuria.
11. Maganya, Jomo S. (2015). Evaluation of drug-drug interactions among mentally ill patients admitted in Mathari Mental Hospital. M.Pharm (Epivigil). Supervisors: K.A. Sinei, **B.K. Amugune** and M.O. Oluka.

12. Chege, Gerald Muhoro(2015). Factors that affect uptake of contraceptives at Garissa Provincial Hospital in Kenya. M.Pharm (Clinical Pharmacy Supervisors: P.N.Karimi and **B.K. Amugune**).
13. Akatsa A. Clarice (2016). Accessibility of medicines used in the management of substance use disorders in selected hospitals in Nairobi. M.Pharm (Epivigil). Supervisors: K.A. Sinei, **B.K. Amugune** and M.O. Oluka.
14. Gichuki K. Hillary(2016). Prevalence and bacterial sensitivity patterns of antimicrobial agents for diabetic foot infections at Kenyatta National Hospital. M.Pharm(Clinical Pharmacy). Supervisors: D.G. Nyamu, **B.K. Amugune** and T. Menge.
15. Kaitany K. Benjamin (2016). Compliance to guidelines and role of patients in management of type 2 diabetes among patients in Vihiga County referral Hospital, Kenya. M.Pharm (Epivigil). Supervisors: E.M. Guantai, **B.K. Amugune** and M. Mulaku.

**N. PHD SUPERVISION**

1. K'Odhiambo M. Onditi (W80/50470/2016). Doctor of Philosophy in Tropical and infectious diseases in the Institute of Tropical and Infectious diseases (UNITID). ONGOING

**O. EXTERNAL EXAMINER**

1. Jomo Kenyatta University of Agriculture and Technology School of Pharmacy for Pharmaceutical Chemistry. From October 2016 for 4 years

**P. THESIS EXAMINATION**

1. Makokha L. Wafula (2010)- Venous thromboembolism prophylaxis among medical in-patients in Kenyatta National Hospital. Internal examiner, M.Pharm (Clinical Pharmacy).
2. Karimi P. Ndirangu (2010). Aetiology, risk factors and management of infectious diarrhea in children at Kenyatta National Hospital. Internal examiner, M.Pharm (Clinical Pharmacy).
3. Maganya J. Seth(2014). Evaluation of potential Drug-Drug interactions among mentally ill in-patients at Mathari mental Hospital. Internal examiner, M.Pharm (Epivigil).
4. Gichuki Njogo M.S. (2014). Determinants of forecast accuracy for paediatric antiretroviral drugs in Kenya. Internal examiner M.Pharm(Epivigil).
5. Ng'ang'a A. Wambui (2015) Assessment of toxicities associated with amphotericin B administration among HIV infected adults with Cryptococcal meningitis at Kiambu District. Internal examiner, M.Pharm (Clinical Pharmacy)
6. Maina S. Wacera (2015). Determinants of discontinuation of contraceptive methods among women in KNH. Internal examiner M.Pharm (Epivigil).
7. Aywak D. Atieno (2015). Insulin prescription errors and contributing factors at Kenyatta National Hospital. Internal examiner M.Pharm (Epivigil).
8. Gichuki H. Kagwa (2016)-Prevalence and bacterial sensitivity patterns of antimicrobial agents for diabetic foot infections in KNH. Internal examiner, M.Pharm (Clinical Pharmacy)
9. Kaitany K. Benjamin (2016). Compliance to guidelines and role of patients in management of type 2 diabetes among patients in Vihiga County referral Hospital, Kenya. Internal examiner. M.Pharm (Epivigil).

10. Ngumo P. Mwangi( 2016). Development and validation of a stability indicating liquid chromatographic method for the analysis of rufinamide bulk material and dosage forms. Internal examiner; M.Pharm (Analysis).

#### REFEREES

1. Prof. Anastasia N. Guantai- University of Nairobi, School of Pharmacy , Department of Pharmacology and Pharmacognosy, P.O. Box 19676, 0202, Nairobi email: [anguantai@yahoo.com](mailto:anguantai@yahoo.com)
2. Prof. Grace N. Thoithi- University of Nairobi, School of Pharmacy, Department of Pharmaceutical Chemistry, P.O. Box 19676, 0202, Nairobi email: [gnthoithi@yahoo.com](mailto:gnthoithi@yahoo.com)
3. Prof. Julius W. Mwangi- University of Nairobi, School of Pharmacy Department of Pharmacology and Pharmacognosy P.O. Box 19676, 0202, Nairobi. email: [julius.mwangi@uonbi.ac.ke](mailto:julius.mwangi@uonbi.ac.ke)