

## CURRICULUM VITAE

<b>PERSONAL DATA</b>	<ul style="list-style-type: none"><li>- <b>NAME:</b> DR SYLVIA ATISA OPANGA</li><li>- <b>RELIGION:</b> Christian</li><li>- <b>PHONE NUMBER:</b>+254 721-296448</li><li>- <b>P.O. BOX</b> 24405 –00100 GPO, NAIROBI</li><li>- <b>E-MAIL:</b> <a href="mailto:sopanga@uonbi.ac.ke">sopanga@uonbi.ac.ke</a>, <a href="mailto:sylvia.adisa@gmail.com">sylvia.adisa@gmail.com</a></li></ul>
<b>CAREER OBJECTIVES</b>	<ul style="list-style-type: none"><li>- To use my academic qualifications and work experience to help the University excel in my area of expertise (Clinical Pharmacy) while striving to attain my highest level of academic excellence and research competence at all times.</li><li>- To train and mentor students to become high quality clinical pharmacists who provide excellent care to patients in Kenya and other countries.</li><li>- To use my professional qualifications to enable the country to develop and attain the highest level of excellence in provision of pharmaceutical care to all its citizens and advance Clinical Pharmacy practice.</li><li>- To carry out high level research that will impact policy on pharmacy practice in Kenya and beyond.</li></ul>
<b>KEY AREAS OF INTEREST</b>	<ul style="list-style-type: none"><li>- Training and education of Pharmacists in Clinical Pharmacy and Pharmaceutical Care</li><li>- Research in Pharmacy and Global Health</li><li>- Clinical Pharmacy and Patient Care</li><li>- Pharmacoepidemiology and Pharmacovigilance</li><li>- Implementation Science</li><li>- Evidence based healthcare</li></ul>
<b>POST GRADUATE</b>	<ul style="list-style-type: none"><li>- PhD in Clinical Pharmacy from the University of Nairobi, awarded on 2<sup>nd</sup> December 2016.</li><li>- University of Nairobi/University of Washington Seattle Implementation Science Fellowship from July 2013 to July 2015.</li></ul>

<b>EDUCATION</b>	<ul style="list-style-type: none"> <li>- Master of Pharmacy, Clinical Pharmacy degree awarded on 3<sup>rd</sup> December 2010 from the University of Nairobi. Major Specialization in Pharmacotherapy in Surgery with a Minor Specialization in Infectious Disease Pharmacotherapy.</li> </ul>
<b>POSTGRADUATE FELLOWSHIPS</b>	<ul style="list-style-type: none"> <li>- <b>July 2013- 2016</b>-Implementation Science in Global Health Fellowship of the University of Nairobi</li> <li>- <b>2015</b>- Afya Bora Global Health Fellowship, University of Washington (facilitator since 2015)</li> </ul>
<b>UNDERGRADUATE QUALIFICATIONS</b>	<ul style="list-style-type: none"> <li>- <b>Undergraduate Level:</b> Bachelor of Pharmacy, (2001-2005) degree awarded on 9<sup>th</sup> December 2005.</li> <li>- <b>Institution:</b> University of Nairobi</li> </ul>
<b>PROFESSIONAL QUALIFICATIONS AND ASSOCIATIONS</b>	<ul style="list-style-type: none"> <li>- <b>Registered by:</b> Pharmacy and Poisons Board (2007)</li> <li>- <b>Member:</b> Pharmaceutical Society of Kenya, Hospital Pharmacists Association of Kenya and Secretary, Clinical Pharmacists Association of Kenya (inaugural secretary).</li> <li>- <b>Associate member :</b> Surgical Society of Kenya</li> <li>- <b>Assistant Secretary and member:</b> Kenya Society for Basic and Applied Pharmacology (2012 to present)</li> <li>- <b>Founder Member:</b> Pharmaceutical care working group, a group of clinical pharmacists with various specializations aimed at promoting and implementing effective pharmaceutical care in public and private health facilities in Kenya (2011)</li> <li>- <b>Member,</b> International Society of Pharmacoepidemiology (2018)</li> <li>- <b>Founder member and East Africa Regional Lead,</b> International Society of Pharmacoepidemiology (2018 to present)</li> </ul>
<b>CONSULTANCIES</b>	<p>August 2018 to present: Expert pharmacist diabetes speaker, Novo Nordisk</p> <p>May 2018 to present- Member of the Antimicrobial Stewardship Technical Working Group, Ministry of Health, Kenya.</p> <p>2015-2018- Part of a team that reviewed the Kenyatta National Hospital</p>

	<p>Antimicrobial Use Guidelines and Came up with new guidelines that were launched on 14<sup>th</sup> February 2018.</p> <p><b>2017- present</b> Global Antithrombosis Speaker, Bayer East Africa.</p> <p><b>2017-</b> Development of a Geriatric Pharmacotherapy Centre at the Old Age Resource Centre in Kampala, Uganda, in collaboration with the Ministry of Special Populations Uganda, Jehovah Alive for the Old Age (JAFOA) and Hon Suleiman Madada Foundation.</p> <p><b>January 2015 to present:</b> Trainer on Dissemination Research, Implementation Science, Afya Bora Global Health Leadership Fellowship, in conjunction with the University of Washington Seattle, Department of Global Health.</p> <ul style="list-style-type: none"> <li>– 2015 to present- Member of the Antimicrobial Stewardship subcommittee of Kenyatta National Hospital.</li> <li>– <b>December 2011 to Present:</b> Development of Tools for Pharmacists’ use in providing adequate pharmaceutical care in all government hospitals and community pharmacies in the whole country, in collaboration with the Ministry of Medical Services, Department of Pharmacy, Division of Appropriate Medicines Use and Management Sciences for Health (MSH).</li> <li>– <b>February 2012 to present-</b> contribution to the review of Health Draft Laws for the Ministry of Medical Services, Kenya.</li> <li>– <b>February 2012 to present:</b> Clinical Pharmacy Consultant and Manager at the Pharmacy Practice and Drug Information Unit at the University of Nairobi, School of Pharmacy. Duties entail managing a team of pharmaceutical technologists, consulting patients, teaching undergraduate and postgraduate students in clinical pharmacy services in an outpatient pharmacy, carrying out operational research and providing clinical pharmacy services to patients. I am currently setting up several pharmacist- led clinics at the centre.</li> <li>– <b>January 2012:</b> Consultant Clinical pharmacist at Mekam Pharmacy, NHIF Building, Nairobi.</li> </ul>
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	<ul style="list-style-type: none"> <li>- <b>August 2012-2013</b> - Consultant Clinical Pharmacist at Hurlingham Oncology Clinic, Nairobi Hospital.</li> <li>- <b>December 2010-Present:</b> Consultant Clinical Pharmacist, Surgical wards, Kenyatta National Hospital, with additional duties in the medical and paediatric wards.</li> </ul>
<p><b>TEACHING EXPERIENCE</b></p>	<ul style="list-style-type: none"> <li>- <b>July 2014- Present- Lecturer of Clinical Pharmacy</b>, Department of Pharmaceutics and Pharmacy Practice, University of Nairobi.</li> <li>- <b>Dec 2009- July 2014-</b> Tutorial Fellow, Department of Pharmaceutics and Pharmacy Practice, University of Nairobi.</li> <li>- Subjects that I teach at undergraduate and postgraduate level since 2010: Clinical Pharmacy (UPC 316 and UPC 416), Pharmacokinetics, Advanced Therapeutics I and II, Patient health assessment, Pathophysiology, Research Methods and Biostatistics, Pharmacotherapy in Surgery, Pharmacotherapy of Infectious diseases. Lecturing both undergraduate and Master of Pharmacy in Clinical Pharmacy Students. I also teach Clinical Toxicology in the Master of Pharmacy in Pharmacoepidemiology and Pharmacovigilance in the Department of Pharmacology and Pharmacognosy, University of Nairobi. I teach Research Methods and Biostatistics to all postgraduate students.</li> <li>- 2016 to present: Pharmacy Lecturer, East African Kidney Institute.</li> <li>- <b>2008:</b> Senior Lecturer Kenya Medical Training College, Nairobi. The subjects taught include, Pharmaceutics, Clinical Pharmacy, Medicinal Chemistry and Physiology.</li> </ul>
<p><b>PHD THESES UNDER MY SUPERVISION</b></p>	<ul style="list-style-type: none"> <li>- John Bururia: “Molecular characterization of resistance mechanisms among E.coli , Klebsiella pneumonia and pseudomonas aeruginosa causing infections at Kenyatta National Hospital, Nairobi, Kenya.”</li> <li>-Monicah Karara: “Health related quality of life, treatment satisfaction and glycemc control in patients with type 2 diabetes in Kiambu county.”</li> <li>- Evelyn Wesangula. “Implementation of Antibiotic stewardship programs in resource constrained settings-opportunities and barriers”</li> </ul>

	<p>-Amsalu Degu (Proposal under development)</p> <p>-Bernard Wambulwa: “Management of infectious complications of post-transplant kidney patients at the renal unit of Kenyatta National Hospital.” (Proposal under development).</p>
<p><b>MASTERS DISSERTATIONS/ THESES SUPERVISED</b></p>	<p><b>2017-2018</b></p> <p>Emmah Obegi- Patterns of antimicrobial use at the Critical Care units of Kenyatta National Hospital (Master of Pharmacy in Pharmacoepidemiology and Pharmacovigilance)</p> <p>Zaetuni Mula- Therapeutic Drug Monitoring and Use of Amikacin among neonates at Kenyatta National Hospital (Master of Pharmacy in Pharmacoepidemiology and Pharmacovigilance)</p> <p>Esbon Wambugu- Management and Complications of dyslipidemias among renal transplant recipients attending the nephrology clinic at Kenyatta National Hospital (Master of Pharmacy in Clinical Pharmacy)</p> <p>Mary Alubisia- Health Related quality of life and its determinants in asthmatic patients at Kenyatta National Hospital. (Master of Pharmacy in Clinical Pharmacy)</p> <p>Leah Njenga-Determinants of non-adherence to prescribed medicines in adult patients attending medical outpatient clinic at Mbagathi District Hospital. (Master of Pharmacy in Clinical Pharmacy)</p> <p>Gilbert Koech: Medication related problems among patients taking antibiotics in the medical and surgical wards of Kenyatta National Hospital (Master of Pharmacy in Clinical Pharmacy).</p> <p>Ben Mitei: Management of infectious complications among patients admitted at the burns unit of Kenyatta National Hospital (Master of Pharmacy in Clinical Pharmacy)</p> <p>Peris Thuo: Medication related problems among HIV patients receiving antiretroviral therapy at Kenyatta National Hospital (Bachelor of Pharmacy).</p> <p>Cyrus Kariuki: Medication related problems among post-transplant kidney patients at Kenyatta National Hospital (Bachelor of Pharmacy)</p>

**2016-2017**

Andrew Okiko- A point prevalence survey of antibiotic use at Kenyatta National Hospital ( Masters of Pharmacy in Clinical Pharmacy)

Caleb Okoth- Antibiotic use patterns at Jaramogi Oginga Odinga Teaching and Referral Hospital: a point prevalence survey ( Masters of pharmacy in Clinical Pharmacy)

Gichimu Abel- Management of Infections and Infectious complications in Oncology at Kenyatta National Hospital (Masters of pharmacy in Clinical Pharmacy)

Oyella Josephine- Management and monitoring of diabetes mellitus at a referral hospital in Uganda (Masters of pharmacy in Clinical Pharmacy)

Kariuki Loise-Evaluation of antibiotic use at Muranga county Hospital: a point prevalence survey ( Masters of pharmacy in Clinical Pharmacy)

Maryanne Mwasi- Evaluation of antibiotic dispensing and prescription practices in community pharmacies in Nairobi ( Bachelor of Pharmacy)

Michelle Omondi- The Cost of management of cancer patients at Kenyatta National Hospital (Bachelor of Pharmacy)

**2015-2016:**

Lisper Wangeci Njeri- Assessment of medication related problems among chronic kidney disease patients in Kenyatta National Hospital -Master of Pharmacy in Clinical Pharmacy

Salome Wanjiru Karuri- Quality of oral anticoagulation management among patients followed up at Kenyatta National Hospital- Master of Pharmacy in Clinical Pharmacy

Irungu Kenneth Kariuki- Risk factors and management of Steven- Johnsons Syndrome and Toxic epidermal Necrolysis among patients admitted at Kenyatta National Hospital- Master of Pharmacy in Clinical Pharmacy

Opaka Eugene Odame- Knowledge, Attitude and Practice of Surgeons and Pharmacists on antimicrobial Prophylaxis In Surgery at Kenyatta National Hospital- Master of Pharmacy in Clinical Pharmacy

Solomon Maina- CD4 count and Viral load for effective antiretroviral

	<p>therapy at Nyahururu County Hospital- Master of Pharmacy in Clinical Pharmacy</p> <p>Elizabeth Kemunto Okerosi – Prevalence and risk factors for medication discrepancies on admission of elderly diabetics at Kenyatta National Hospital- Master of Pharmacy in Pharmacoepidemiology and Pharmacovigilance</p> <p>Jillian Oranga Etenyi- Comparison of health related quality of life of adult HIV Positive patients on Tenofovir and Zidovudine based regimens at Kenyatta National Hospital Master of Pharmacy in Pharmacoepidemiology and Pharmacovigilance</p> <p>Gakera Lina Njeri- Delphi Study on Warfarin use at Kenyatta National Hospital -Master of Pharmacy in Pharmacoepidemiology and Pharmacovigilance</p> <p><b>2014-2015:</b></p> <p>Caroline Asin- Assessment of Drug Induced Liver Disease at KNH ( Master of Pharmacy in Clinical Pharmacy)</p> <p>Carol Kemmy- Correlates of Anaemia of Chronic Renal Failure at KNH( Master of Pharmacy in Clinical Pharmacy)-</p> <p>Agnes Karita- Assessment of the Toxicity of Amphotericin B at Kiambu District Hospital ( Master of Pharmacy in Clinical Pharmacy)- 2015</p> <p>Larry Kimani- Factors That Affect Adherence To Medicines Among Patients With Chronic Heart Failure At Kenyatta National Hospital ( Master Of Pharmacy In Clinical Pharmacy)</p> <p>Calvin Mirenga- The Impact of the Free Maternity Policy on Pharmacy Practice in Nairobi County ( Master of Pharmacy in Pharmacoepidemiology and Pharmacovigilance)</p> <p>Susan Wacera Maina- Assessment of Drug Interactions and Toxicity in Women Taking Contraceptives at KNH( Master of Pharmacy in Pharmacoepidemiology and Pharmacovigilance).</p> <p>Maureen Chege-Presence of potentially harmful excipients in paediatric medicine dispensed in Nairobi- Bachelor of Pharmacy</p>
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	<p>Emmanuel Munguti-Prescription patterns at the pharmacy practice and drug information unit of the school of Pharmacy of the University of Nairobi Bachelor of Pharmacy</p> <p>Miriam Ouma- The impact of free maternal healthcare on pharmacy practice at Pumwani Maternity Hospital -Bachelor of Pharmacy</p> <p><b>2013-2014:</b></p> <p>Nancy Gakii, Master of Pharmacy in Clinical Pharmacy “Assessment of Hormonal Contraceptive Use Among Women at Kenyatta National Hospital”.</p> <p><b>2010:</b></p> <p>Supervised 4 undergraduate University of Nairobi, School of Pharmacy student projects,( Shiguedha S, Kauhondamwa S, Olweny I and Mwengi I) one of which was later published in the World Health Organisation Practical Pharmacy Journal for developing Countries Issue 25, pp 1-11, 2011.</p>
<b>EXTERNAL EXAMINATION</b>	<b>2015 to Present-</b> External examiner for Clinical Pharmacy, Pharmacy Practice and Social and Administrative Pharmacy, Kenya Methodist University, Meru, Kenya.
<b>CURRICULUM DEVELOPMENT AND REVIEW</b>	<p>September 2012- Development and of the Pharmacoepidemiology and Pharmacovigilance curriculum Workshop at Sentrim Hotel, Naivasha</p> <p>June 2014- to present Curriculum review for Bachelor of Pharmacy and Master of Pharmacy in Clinical Pharmacy</p> <p>May 2018: Curriculum Review Stakeholder Workshop for MBChB at KCB Training Centre, Karen</p>
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<b>GRANTS AWARDED</b>	<p>- <b>1<sup>st</sup> April 2017 to October 2018- Newton Institutional Links Fund</b></p> <p><b>Grant title:</b> “Sustainable health interventions to tackle the emerging threat of antimicrobial resistance and the rapid rise in non-communicable diseases: a roadmap to improved public health in Kenya”</p> <p><b>Amount awarded: 99,000 GBP</b></p> <p><b>-September 2017-</b> Grant to undertake a pilot Point Prevalence</p>



	<p>Survey on Antibiotic Use at Kenyatta National Hospital and Mbagathi. <b>Awarded by the Centres for Disease Control (CDC) and Washington State University.</b></p> <p><b>-August 2018-</b> Grant by CDC to undertake training for MBChB final students on antimicrobial stewardship.</p>
<p><b>RESEARCH WORK AND PUBLICATIONS</b></p>	<p>Lisper Wangeci Njeri, William Otieno Ogallo, David Gitonga Nyamu, <b>Sylvia Adisa Opanga</b>, Alfred Rugendo Birichi. Medication related problems among adult chronic kidney disease patients in a Sub-Saharan tertiary hospital. <b>International Journal of Clinical Pharmacy</b>. <a href="https://doi.org/10.1007/s11096-018-0651-7">https://doi.org/10.1007/s11096-018-0651-7</a>. Published 15<sup>th</sup> May 2018.</p> <p>K.K. Irungu, D.G Nyamu, <b>S. A Opanga</b>. Management and outcome of Stevens- Johnson syndrome and toxic epidermal necrolysis in patients admitted to Kenyatta National Hospital. <b>Drugs and Therapy Perspectives</b>, pp1-7. Published 7<sup>th</sup> May 2018.</p> <p>Caleb Okoth, <b>Sylvia Opanga</b>, Faith Okalebo, Margaret Oluka, Amanj Baker Kurdi, Brian Godman. Point prevalence survey of antibiotic use and resistance at a referral hospital in Kenya: findings and implications. <b>Hospital Practice</b>. Published 27<sup>th</sup> April 2018.</p> <p>Mukokinya, MM, <b>Opanga, S</b>, Oluka, M &amp; Godman, B 2018, 'Dispensing of antimicrobials in Kenya: a cross sectional pilot study and its implications' <b>Journal of Research in Pharmacy Practice</b>, pp. 1-8.</p> <p><b>Sylvia A. Opanga</b>, Nimrod J Mwang'ombe, Faith A Okalebo, Margaret Oluka, Kimani Kuria. Determinants of the effectiveness of antimicrobial prophylaxis among neurotrauma patients at a referral hospital in Kenya: Findings and implications. <b>Journal of Infectious Diseases and Preventive Medicine</b>, 2017, 5 (3): 1-7.</p> <p>Yvonne Opanga, <b>Sylvia Opanga</b>, Richard Mutisya, Lydia Kaduka. Weight changes and associated factors among breast cancer patients receiving chemotherapy at a referral hospital in Kenya. <b>African Journal of Pharmacology and Therapeutics</b>, Vol 6, No 3, pages 134-141, 2017.</p> <p>Kenneth Irungu, David Nyamu, <b>Sylvia Opanga</b>. Characterisation of Stevens-Johnson Syndrome and Toxic epidermal necrolysis among patients admitted to Kenyatta National Hospital: a retrospective cross sectional study. <b>Drugs-Real World Outcomes</b>. DOI 10.1007/s40801-017-0105-x. April, 2017.</p>

**Sylvia A. Opanga**, Nimrod J Mwang'ombe, Faith A Okalebo, Kimani AM Kuria. Impact of neurosurgical site infections on patient expenditure at a national referral hospital in Kenya: a cost of illness study. **African Journal of Pharmacology and Therapeutics**, Vol 6, No. 2, pages 72-76, 2017.

Elizabeth K Okerosi, Faith A Okalebo, **Sylvia A Opanga**, Anastasia N Guantai. Prevalence and risk factors for medication discrepancies on admission of elderly diabetics at Kenyatta National Hospital, Kenya. **African Journal of Pharmacology and Therapeutics**, Vol 6, No 1, pages 54-63, 2017.

**Sylvia A. Opanga**, Mercy N. Mulaku, Faith A Okalebo, Nimrod J Mwang'ombe, Kimani AM Kuria. Systematic review, meta-analysis and grading of evidence on the effectiveness of antimicrobial prophylaxis for neurosurgical site infections. **African Journal of Pharmacology and Therapeutics**, Vol 6 No 1, pages 1-13, 2017.

Maina CK, Karimi PN, Mariita K, Nyamu DG, Mugendi GA, **Opanga SA**. Correlates and management of anaemia of chronic kidney disease in a Kenyan tertiary hospital. **East African Medical Journal**, 2016;93 (10):489

**Sylvia A. Opanga**. The use and impact of antimicrobial prophylaxis in neurosurgery at Kenyatta National Hospital, and the economic impact of treatment of neurosurgical site infections. A PhD Thesis. [erepository.uonbi.ac.ke/handle/11295/100413](http://erepository.uonbi.ac.ke/handle/11295/100413). 2016.

**Sylvia Opanga**, Nimrod J Mwangombe, Faith Okalebo, Kimani AM Kuria. Patterns of antimicrobial use in the neurosurgical ward of Kenyatta National Hospital. **African Journal of Pharmacology and Therapeutics Vol 5, No 4, pp 241-246, 2016.**

Larry Kimani, **Sylvia Opanga**, Peter Karimi, Kefa Bosire. Treatment of chronic heart failure in adults at a referral hospital in Kenya: adverse drug reactions and determinants of adherence. **African Journal of Pharmacology and Therapeutics, Vol 5 Issue 1 (2016).**

-Wacera Maina, George Osanjo, Stanley Ndwigah, **Sylvia Opanga**. Determinants of discontinuation of Contraceptive Methods among Women at Kenyatta National Hospital, Kenya. **African Journal of Pharmacology and Therapeutics, Vol 5 Issue 1 (2016).**

**Sylvia Opanga**, Nimrod J Mwang'ombe, Faith Okalebo, Kimani K.A.M. Kuria. Antimicrobial Prophylaxis for Neurosurgical Patients in low income countries: a systematic review. Presented at the Infectious Disease Symposium, 18<sup>th</sup>- 19<sup>th</sup> June 2015 at Laico regency Hotel. An abstract

	<p>publication. Presentation of the Preliminary results of Chapter 2 of my PhD.</p> <p>- Gakii Nancy, Peter Karimi, Eric Guantai, <b>Sylvia Opanga</b>. Knowledge of correct use among hormonal contraceptive users in a Kenyan referral Hospital. <b>African Journal of Pharmacology and Therapeutics. Volume 3 Issue 4, 2014.</b></p> <p><b>Sylvia Opanga</b>, Shital Maru. An assessment of the extent of rational use of antibiotics in surgical prophylaxis at Kenyatta National Hospital. <a href="http://erepository.uonbi.ac.ke">http://erepository.uonbi.ac.ke</a> 2011</p> <p>-December 2012. Published five E-learning modules/ e-books in Patient Health Assessment in Clinical Pharmacy. The modules are available on The University of Nairobi's website <a href="http://www.uonbi.ac.ke">www.uonbi.ac.ke</a> on the e-learning portal. The five books are being published and printed by The University of Nairobi Press. The Modules are as follows:</p> <p>Module 1: UPC 316 Clinical Pharmacy: Patient Health Assessment and Physical Examination in Clinical Pharmacy (17 chapters)</p> <p>Module 2: UPC 316 Clinical Pharmacy: Examination of the Cardiovascular and Respiratory Systems (7 chapters)</p> <p>Module 3: UPC 316 Clinical Pharmacy: The Nervous System and the Locomotor System (8 chapters)</p> <p>Module 4: UPC 316 Clinical Pharmacy: The Abdomen, The Gastrointestinal and The Genitourinary System (8 chapters)</p> <p>Module 5: UPC 316: Clinical Pharmacy: Assessment of The Skin and Integumentary System (6 chapters)</p> <p>-September 2012- N. Opiyo, M. English....<b>S. Opanga</b> et al.The “Child Heath Evidence Week” and GRADE grid may aid transparency in the deliberative process of guideline development. J Clin Epidemiol. 2012. September; 65 (9-10): 962-969. Published in September 2012.</p> <p>-January 2011- Shiguedha S, B. Amugune, <b>S.Opanga</b>..Diabetes Mellitus Management. WHO Practical Pharmacy for Developing Countries. Issue 25;pp 1-11.</p> <p>-November 2010-Shital M. Maru, <b>S. Opanga</b>. An assessment of the extent of rational use of antibiotics in surgical prophylaxis at Kenyatta National Hospital, Nairobi, Kenya. SU9206, W4429-2010. International FIP/PSWC/AAPS Annual Meeting 14<sup>th</sup>-18<sup>th</sup> November 2010, New Orleans</p>
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	<p>, Louisiana, USA.</p> <p>-June 2010- E.Mueni, <b>S.Opanga</b>, N.Opiyo, M. English. Should Third Generation Cephalosporins replace Penicillin and Gentamicin as empiric Treatment of Community Acquired Neonatal Sepsis? <a href="http://www.idoc-africa.org">www.idoc-africa.org</a></p> <p>-June 2010- <b>S.Opanga</b>, N.Musila, N.Opiyo, M. English. Should Third Generation Cephalosporins replace Penicillin and Chloramphenicol as Empiric Treatment of Acute Bacterial Meningitis in Children. <a href="http://www.idoc-africa.org">www.idoc-africa.org</a></p> <hr/> <p>- <b>12<sup>th</sup> -16<sup>th</sup> April 2011</b>- Attended the 11<sup>th</sup> Annual Scientific Conference of the Surgical Society of Kenya and Regional Meeting College of Surgeons of East, Central and Southern Africa and presented a paper “<b>Patterns of Antimicrobial Prophylaxis in Orthopaedic Surgery in Kenyatta National Hospital</b>” at the Morendat Conference Centre, Naivasha, Kenya.</p> <p>-<b>4<sup>th</sup> - 8<sup>th</sup> April 2011</b>-Attended a 5 day course on Scientific Communication and Publishing at the University of Nairobi, Chiromo Campus.</p> <p>-<b>November 2010</b>- Presented a paper (poster presentation) at the American Association of Pharmaceutical Sciences(AAPS) and Federation of International Pharmacists(FIP) titled ‘<i>Patterns of Antimicrobial Prophylaxis in Orthopaedic Surgery at Kenyatta National Hospital</i>’ In New Orleans USA. The research won a travelship award from FIP.</p> <p>-<b>July 2009- September 2010</b>- Carried out a research on ‘<i>Patterns of Antimicrobial Prophylaxis in Orthopaedic Surgery at Kenyatta National Hospital</i>’</p> <ul style="list-style-type: none"> <li>- <b>December 2009- June 2010</b> -Evidence based research at KEMRI Wellcome Trust on “<i>Use of Ceftriaxone vs Benzyl Penicillin and Chloramphenicol in Meningitis</i>” And “<i>Use of Third Generation Cephalosporins In Neonatal Sepsis</i>” for the Child Health Evidence Week.</li> <li>- <b>February 2010- August 2010</b>-Supervision of four undergraduate students on the final projects published In the Pharmacy Practice Newsletter Issue 25 in collaboration with the NGO Health Action</li> </ul>
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	<p>International (HAI)</p> <ul style="list-style-type: none"> <li>- <b>March 2010-</b> presented the paper “<i>A Survey of Antimicrobial Prophylaxis In Surgery In Kenyatta National Hospital</i>” at the 10<sup>th</sup> annual Surgical Society of Kenya scientific conference at Nyali Beach Hotel, Mombasa. The manuscript has been sent for publication in the Annals of Surgery.</li> <li>- <b>2009:</b> presented the paper “<i>The Journey of Pharmacists Back to Patients</i>”, at the PSK Annual Scientific Conference, 29<sup>th</sup> May to 1<sup>st</sup> June 2009 at Whitesands Hotel. Published in the August 2009 issue of the Pharmaceutical Journal of Kenya.</li> <li>- <b>2005-2007:</b> undertook the research “<i>Analysis of Patient Information Leaflets provided with anti-retroviral drugs and drugs for opportunistic infections</i>”. Final paper presented at the International Federation of Pharmacists, Beijing China, September, 2007.</li> </ul>
<p><b>BOOKS AND BOOK CHAPTERS WRITTEN</b></p>	<ul style="list-style-type: none"> <li>- <b>November 2011 to December 2012-</b> developed 5 e-learning modules on UPC 316 Clinical Pharmacy in Collaboration with the Centre for Open and Distance Learning, University of Nairobi. The modules are available on the e-learning portal of the University of Nairobi website and the hard copies have been printed by the University of Nairobi Press.</li> <li>2014 to 2018- Written and completed a text book titled “Patient Evaluation in Clinical Pharmacy.” It is currently under review before publication.</li> <li>- <b>January 2012 to present-</b> Writing a Book on “Pharmacotherapy in Surgery”</li> </ul>
<p><b>REVIEWER FOR JOURNALS</b></p>	<ul style="list-style-type: none"> <li>- <b>2018:</b> Drugs and Therapy Perspectives</li> <li>- <b>2018:</b> Frontiers in Pharmacology</li> <li>- <b>2016 to present:</b> Africa Journal of Pharmacology and Therapeutics</li> </ul>
<p><b>PRESENTATIONS AT CONFERENCES,</b></p>	<p><b>1<sup>st</sup> September 2018:</b> Gave a talk titled “ Pharmacist approach in the</p>

<p><b>WORKSHOPS, SEMINARS AND SYMPOSIA</b></p>	<p>continuum of Diabetes Care.” at the Diabetes Symposium at the Intercontinental Hotel, Nairobi, Kenya</p> <p><b>12<sup>th</sup>-13<sup>th</sup> August 2018:</b> Poster presentation “ Point prevalence survey of antibiotic use in the medical and surgical wards of Kenyatta National Hospital.” Andrew Okiko, <b>Sylvia Opanga</b>, Margaret Oluka. Presented at the annual HOPAK Symposium.</p> <p>5<sup>th</sup> August 2018: Oral presentation “ Use of novel anticoagulation agents in the management of venous thromboembolism” presented at the Kisumu PSK meeting.</p> <p>Okoth, Caleb and <b>Opanga, Sylvia</b> and Okalebo, Faith and Oluka, Margaret and Kurdi, Amanj and Godman, Brian (2018) Point prevalence survey of antibiotic use and resistance at the biggest national referral hospital in Kenya : findings and implications. In: 34th International Conference on Pharmacoepidemiology and Therapeutic Risk Management, 2018-08-22 - 2018-08-26, The Prague Congress Centre.</p> <p>Atieno, Omondi Michelle and <b>Opanga, Sylvia</b> and Kurdi, Amanj and Martin, Antony P and Godman, Brian (2018) Assessing the direct medical costs of treating patients with cancer in Kenya : a pilot study - findings and implications for the future. <i>In: 34th International Conference on Pharmacoepidemiology and Therapeutic Risk Management, 2018-08-22 - 2018-08-26, The Prague Congress Centre.</i></p> <p>Etenyi, Jilian O. and Okalebo, Faith A. and <b>Opanga, Sylvia A.</b> and Sinei, Kipruto A. and Osanjo, George O. and Kurdi, Amanj and Godman, Brian (2018) Comparison of zidovudine and tenofovir based regimens with regard to quality of life and prevalence of symptoms in HIV patients in Kenya. In: 34th International Conference on Pharmacoepidemiology and Therapeutic Risk Management, 2018-08-22 - 2018-08-26, The Prague Congress Centre.</p>
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	<p>Njoroge, Miriam W and Oluka, Margaret and Osanjo, George and <b>Opanga, Sylvia</b> and Godman, Brian and Kurdi, Amanj (2018) Prevalence and determinants of antibiotic related adverse drug reactions in Kenya : spontaneously reported cases at the pharmacy and poisons board database. <i>In:</i> 34th International Conference on Pharmacoepidemiology and Therapeutic Risk Management, 2018-08-22 - 2018-08-26, The Prague Congress Centre.</p> <p><b>Sylvia Opanga</b>, Jamlick Karumbi, Amanj Kurdi Brian Godman. Self medication using antibiotics at community pharmacies in low and middle income countries: a systematic review and meta-analysis. Fourth Training Workshop and Symposium MURIA Group in conjunction with ISPE 18 – 21 June 2018, University of Namibia, Windhoek.</p> <p>Linda Opanga, Mercy Mulaku, <b>Sylvia Opanga</b>, Brian Godman. Adverse effects of chemotherapy and their management in paediatric patients with non- Hodgkin’s lymphoma at Kenyatta National Hospital. Fourth Training Workshop and Symposium MURIA Group in conjunction with ISPE 18 – 21 June 2018, University of Namibia, Windhoek.</p> <p>Lydia Momanyi, Margaret Oluka, <b>Sylvia Opanga</b>, David Nyamu, Amanj Kurdi, Brian Godman. Antibiotic prescribing patterns at a referral hospital in Kenya: a point prevalence survey. Fourth Training Workshop and Symposium MURIA Group in conjunction with ISPE 18 – 21 June 2018, University of Namibia, Windhoek.</p> <p>Lydia Momanyi, Margaret Oluka, David Nyamu, <b>Sylvia Opanga</b> Amanj Kurdi Brian Godman. Appropriateness of antibiotic prescribing and compliance to guidelines at a referral hospital in Kenya: a point prevalence survey. Fourth Training Workshop and Symposium MURIA Group in conjunction with ISPE 18 – 21 June 2018, University of Namibia, Windhoek.</p>
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	<p><b>Sylvia Opanga</b>, Jamlick Karumbi, Amanj Kurdi Brian Godman. Self medication using antibiotics at community pharmacies in low and middle income countries: a systematic review and meta-analysis, preliminary results. Pharmaceutical Society of Kenya Annual Scientific Conference, Travellers Beach Hotel, Mombasa, Kenya, 30<sup>th</sup> May-3<sup>rd</sup> June 2018.</p> <p>23<sup>rd</sup> March 2018- Trained health care workers from Africa on Dissemination Research for the University of Nairobi Research Methods Training held at Silver Springs Hotel Nairobi.</p> <p>18<sup>th</sup> January 2018- Trained health care workers from Africa on Dissemination Research (Implementation Science) at the Afya Bora Global Health Fellowship at the Paediatric Training Centre, University of Nairobi.</p> <p>28<sup>th</sup> August-31<sup>st</sup> August 2017- Training Workshop for research assistants on the Point prevalence survey on antibiotic use at Kenyatta National Hospital and Mbagathi District Hospital.</p> <p>-17<sup>th</sup>-21<sup>st</sup> July 2017- Newton Grant Workshop and visit by Strathclyde University Team</p> <p>-17<sup>th</sup> July 2017- Gave a presentation on “Clinical Pharmacy Experience in Scotland.” during the Newton Grant Workshop at School of Medicine Boardroom, University of Nairobi.</p> <p>18<sup>th</sup> July 2017- Gave a presentation on “Systematic Review on self purchasing of antibiotics- an update.”</p> <p>Attended Pharmacovigilance E-learning workshop at KCB Leadership Centre Karen on 19<sup>th</sup>-23<sup>rd</sup> June, 2017, for development of online modules on pharmacovigilance.</p> <p>Kenyatta National Hospital Biannual Scientific Conference 14<sup>th</sup>-16<sup>th</sup> June 2017 at The College of Health Sciences, University of Nairobi. <b>Presented paper “Medication related Problems among Patients with Chronic</b></p>
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**Kidney Disease at Kenyatta National Hospital.”**

Pharmacy Leadership Conference with University of Nairobi/Kansas University at Olive Gardens Hotel, Hurlingham, Nairobi. Made a Presentation on **“Key Initiatives in Patient Safety in Kenya” held on 12<sup>th</sup>-14<sup>th</sup> June 2017.**

1<sup>st</sup> June 2017 and 2<sup>nd</sup> June 2017- Attended **ward rounds and antimicrobial meetings at the Queen Elizabeth Hospital, Glasgow, Scotland**, United Kingdom.

31<sup>st</sup> May 2017- Attended Pharmacist Led hypertension clinics at the **Crail Medical Practice, Glasgow, Scotland.**

30<sup>th</sup> May 2017- Attended the **Farr Research Group Conference** at the Farr Institute of Health Informatics Research, Glasgow University, Scotland.

29<sup>th</sup> May 2017- Attended a training on patient data development and use at the **NHS headquarters in Edinburg, Scotland**

26<sup>th</sup> May 2017- **Attended the Greenoak Health Centre Pharmacist led pain clinics and pharmacist led ambulatory care Clinics at Boots Pharmacy** in Greenoak, Glasgow, Scotland.

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Attended the **Antimicrobial Utilisation (AUC) Meeting with the NHS** Greater Glasgow and Clyde Antimicrobial Stewardship Group, at the Gartnavel Hospital, JB Board Headquarters on 24<sup>th</sup> May 2017.

19<sup>th</sup> May-24<sup>th</sup> May 2017- Conducted a Systematic review on **“Antimicrobial Self Purchasing in Kenya”** at the University of Strathclyde, Glasgow, United Kingdom.

18<sup>th</sup> May 2017- Made a presentation titled **“Initiatives in the Management of Non-communicable diseases in Kenya.”** At the Newton Fund Recipients Conference at University of Strathclyde, Glasgow, United Kingdom.

15<sup>th</sup> -19<sup>th</sup> May 2017- **Attended the Newton Fund recipients Conference** held at the University of Strathclyde, Glasgow, United Kingdom.

**A study of the use and impact of antimicrobial prophylaxis in neurosurgery at Kenyatta National Hospital and its financial Implications”**, Presented at the East African Association of Neurological Surgeons 6<sup>th</sup> Annual Scientific Conference on 25<sup>th</sup> November 2016 at the

	<p>Panafric Hotel Nairobi.</p> <p><b>“A study of the use and impact of antimicrobial prophylaxis in neurosurgery at Kenyatta National Hospital and its financial Implications”</b>, as two PhD seminar presentations at the University of Nairobi, School of Pharmacy boardroom on Thursday 26<sup>th</sup> August 2016 and Thursday 8<sup>th</sup> September 2016.</p> <p>“Patterns of antimicrobial use at the neurosurgical unit of Kenyatta National Hospital” presented at the 12<sup>th</sup> Annual Hospital Pharmacists Association of Kenya annual symposium on 14<sup>th</sup> August 2016 at the Stanley Hotel Nairobi.</p> <p>8<sup>th</sup> -9<sup>th</sup> August 2015: Presented “Antimicrobial Prophylaxis for Neurosurgical Patients in low income countries: a systematic review” at the 11<sup>th</sup> Annual Hospital Pharmacists Association of Kenya Annual Symposium at laico Regency Hotel– an oral presentation of the preliminary results of the PhD.</p> <p>“Antimicrobial prophylaxis for neurosurgical patients in low income countries: a systematic review” Presented at the University of Nairobi/ Infectious Disease Society of Kenya Symposium on 19<sup>th</sup> June 2015 at Laico Regency Hotel, Nairobi..</p> <p>10<sup>th</sup>-12<sup>th</sup> June 2015: Presented “Antimicrobial Prophylaxis for Neurosurgical Patients in low income countries: a systematic review” at the KNH/UoN 3<sup>rd</sup> International Scientific Conference- a poster presentation of the preliminary results of the PhD</p> <p>10<sup>th</sup>-12<sup>th</sup> June 2015: Effectiveness of plumpy nut consumption in the management of Severe acute malnutrition in children enrolled in an outpatient therapeutic feeding program: The case of Kilifi District Hospital. A poster presentation at The KNH/UoN 3<sup>rd</sup> International Scientific Conference</p> <p>March 2015- Attended a training on Scientific Grant writing at Chiromo Campus, University of Nairobi.</p> <hr/> <p><b>October 13-24, 2014-</b> Attended the Micro-research Workshop of the University of Nairobi.</p> <p><b>4<sup>th</sup> June 2014-</b> Presented “Economic Evaluation of an Infection Control Protocol in Neurosurgery at Kenyatta National Hospital: A Cost Utility Analysis at Harborview Medical Centre, Ninth and Jefferson Building,</p>
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	<p>Seattle.</p> <p><b>30<sup>th</sup> May 2014-</b> Attended a Qualitative Methods Workshop at Harborview Medical Centre, Ninth and Jefferson Building, Seattle.</p> <p><b>27<sup>th</sup> May 2014-</b> “<b>Mobile WaCH:</b> A Bidirectional SMS Messaging System for Maternal Health” by Trevor Perrier at the Allen Centre, Seattle, Washington.</p> <p><b>23<sup>rd</sup> May 2014-</b> Gave a special Lecture to Masters and PhD students on “Pharmacovigilance- The Case of Kenya” at the South Campus Centre, University of Washington, Seattle.</p> <p><b>23<sup>rd</sup> May 2014- presented</b> – Presented “The Evolution of Clinical Pharmacy Practice in Kenya” at the Global Health Seminar at Health Sciences Building, University of Washington, Seattle.</p> <ul style="list-style-type: none"> <li>- <b>19<sup>th</sup> May 2014- IARTP Seminar-</b> “ A Study on the Impact of Road Safety Campaign on Motor cycle related road traffic injuries in Naivasha, Kenya” by Dr Walter Odhiambo at Harborview Medical Centre, Ninth and Jefferson Building, Seattle.</li> <li>- <b>7<sup>th</sup> May 2014-</b> Kenya Research Program Seminar “ Adding a qualitative component to an RCT of home based partner HIV testing (HOPE) study by Daisy Krakowiak at Harborview Medical Centre, Ninth and Jefferson Building, Seattle.</li> <li>- <b>30<sup>th</sup> April 2014-</b> Kenya Research Program Seminar “Impact of Counselling on Breastfeeding Practice and Perinatal HIV Transmission” by Bourke Betz, at Harborview Medical Centre,</li> </ul>
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	<p>Ninth and Jefferson Building, Seattle.</p> <ul style="list-style-type: none"> <li>- <b>24<sup>th</sup> April 2014-</b> Global Health Seminar “ Spatial Epidemiology of Neglected Diseases- moving towards elimination” by Prof Simon Brooker at Harris Hydraulics Building, UW, Seattle.</li> <li>- <b>23<sup>rd</sup> April 2014-</b> Kenya Research Program Seminar “HIV Counselling and Testing for Children at Home (CATCH study) by Anjuli Wagner at Harborview Medical Centre, Ninth and Jefferson Building, Seattle.</li> <li>- <b>16<sup>th</sup> April to 30<sup>th</sup> May 2014-</b> Online course on Ethical Issues in Research, offered by University of Washington, Seattle.</li> <li>- <b>14<sup>th</sup> April-</b> “Ethical Conduct of Research with Humans” Training at Fred Hutchinson Cancer Research Centre, Seattle.</li> <li>- <b>9<sup>th</sup> April 2014-</b> Kenya Research Program Seminar “ Substance Abuse in HIV” by Dennis Donovan at Harborview Medical Centre, Ninth and Jefferson Building, Seattle.</li> <li>- <b>7<sup>th</sup> April 2014-</b> Global Health Seminar titled “ Anti-retrovirals for HIV prevention: Evidence and Implementation” by Dr Jared Baeten at Harborview Medical Centre, Ninth and Jefferson Building, Seattle.</li> <li>- <b>4<sup>th</sup>-6<sup>th</sup> April 2014-</b> 11<sup>th</sup> Annual Western Regional International Health Conference, at Husky Union Building, University of Washington, Seattle.</li> <li>- <b>9<sup>th</sup>-12<sup>th</sup> September 2013-</b> Workshop on Pharmacoeconomics and</li> </ul>
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	<p>Health Technology Assessment at Silver Springs hotel Nairobi.</p> <ul style="list-style-type: none"> <li>- <b>August 2013-</b> Attended the 10<sup>th</sup> Annual Hospital Pharmacists Association of Kenya annual Symposium and judged poster and oral presentations.</li> <li>- <b>5<sup>th</sup> June 2013-</b> presented a paper “Antimicrobial Prophylaxis in Neurosurgery- The Controversies” at The East African Association of Paediatric Neurosurgeons International Conference. Awarded best presentation.</li> <li>- <b>30<sup>th</sup> May-2<sup>nd</sup> June 2013-</b> Attended the Pharmaceutical Society of Kenya Annual Scientific Conference and Moderated a session.</li> <li>- <b>November 2011- December 2012-</b> Attended several workshops on e-learning and developed 5 modules in UPC 316 Clinical Pharmacy.</li> <li>- <b>23<sup>rd</sup>-27<sup>th</sup> April 2012-</b> Attended workshop on Proposal Writing for Grants at the University of Nairobi.</li> <li>- <b>14<sup>th</sup> April 2012-</b> attended Hospital Pharmacists of Kenya Workshop on Colorectal cancer at the Sarova Stanley Hotel Nairobi.</li> <li>- <b>26<sup>th</sup> – 30<sup>th</sup> March 2012-</b> Attended a workshop on e-learning organized by the College of Health Sciences University of Nairobi and wrote modules on UPC 316 Clinical Pharmacy.</li> <li>- <b>20<sup>th</sup> -23<sup>rd</sup> March 2012-</b> Attended the Annual Surgical Society Conference on Surgical Oncology at Imperial Hotel Kisumu</li> <li>- <b>15<sup>th</sup> March 2012-</b> Attended the Hospital Pharmacists CME on “Paediatric Pharmacy” at the Sarova Panafric Hotel Nairobi.</li> </ul>
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	<ul style="list-style-type: none"> <li>- <b>17<sup>th</sup>- 18<sup>th</sup> February 2012</b>- Attended Workshop on “Management of Infectious Diseases” at The Intercontinental Hotel Nairobi.</li> <li>- <b>9<sup>th</sup> February 2012</b>- attended the Hospital Pharmacists CME on “Impact of Clinical Pharmacy on Pharmacy Practice” at the Sarova Panafric Hotel, Nairobi.</li> <li>- <b>28<sup>th</sup> January 2012</b>- Attended the Haemorrhoids Symposium organized by the Surgical Society of Kenya at the Aga Khan University Hospital Nairobi.</li> <li>- <b>3<sup>rd</sup> December 2011</b>- organized, attended and gave a talk on the High Voltage Clinical Pharmacists workshop on developing tools for use by pharmacists in clinical pharmacy practice and delivering pharmaceutical care.</li> <li>- <b>19<sup>th</sup> October 2011</b>- attended the Hospital pharmacists symposium on “Quality of Care and Biological Therapy in Cancer Treatment” at the Silver Springs Hotel, Nairobi.</li> <li>- <b>4<sup>th</sup>-7<sup>th</sup> October 2011</b>- Attended the International Oncology Conference at the Sarova Panafric Hotel Nairobi, Kenya.</li> <li>- <b>20<sup>th</sup>- 24<sup>th</sup> August 2011</b>- Attended the workshop on Antibiotic Resistance organized by GARP-Kenya at the Sarova Panafric Hotel Nairobi.</li> <li>- <b>13-14<sup>th</sup> August 2011</b>- Attended and presented at the HOPAK Annual Symposium held at Safari Park Hotel Nairobi.</li> <li>- <b>26<sup>th</sup>- 29<sup>th</sup> July 2011</b>- Attended the Teachers training on Innovative</li> </ul>
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	<p>Methods of Teaching organized by MEPI, University of Nairobi and University of Washington at the College of Health Sciences, University of Nairobi.</p> <ul style="list-style-type: none"> <li>- <b>14<sup>th</sup> July 2011</b>- Attended the Hospital Pharmacists CME at Sarova Panafric Hotel Nairobi.</li> <li>- <b>7<sup>th</sup>-8<sup>th</sup> July 2011</b>- Attended and presented a paper titled <b>“Specializations in Clinical Pharmacy”</b> at the International Pharmaceutical Students Federation 1<sup>st</sup> African Federation held at the University of Nairobi, Chiromo Campus.</li> <li>- <b>15<sup>th</sup>-17<sup>th</sup> June 2011</b>- Attended the first University of Nairobi College of Health Sciences International Scientific Conference.</li> <li>- <b>2<sup>nd</sup>-4<sup>th</sup> June 2011</b>- Organized, attended and presented at the 20<sup>th</sup> Annual Pharmaceutical Society of Kenya conference held at the Whitesands Hotel, Mombasa. Presented a paper titled <b>“Managing postoperative pain through patient controlled analgesia”</b>.</li> <li>- <b>12-16<sup>th</sup> April 2011</b>- Attended the 11<sup>th</sup> Annual Scientific Conference of the Surgical Society of Kenya and Regional Meeting College Surgeons of East, Central and Southern Africa and presented a paper <b>“Patterns of Antimicrobial Prophylaxis in Orthopaedic Surgery in Kenyatta National Hospital”</b> at the Morendat Conference Centre, Naivasha, Kenya.</li> <li>- <b>4<sup>th</sup>-8<sup>th</sup> April 2011</b>-Attended the Scientific Communication and Publishing training at the University of Nairobi, Chiromo Campus.</li> </ul>
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	<ul style="list-style-type: none"> <li>- <b>21<sup>st</sup>-22<sup>nd</sup> August 2010</b>- Attended the HOPAK Annual Symposium at the Windsor Golf and Country Club and Presented a paper on “Antimicrobial prophylaxis in surgery and The Role of a Pharmacist”</li> <li>- <b>June 2010</b>- Presented papers on “Third Generation Cephalosporins in Neonatal Sepsis” and “Third generation Cephalosporins vs Benzyl Penicillin and Chloramphenical in Meningitis” at the Child Health Evidence Week Held at KEMRI Headquarters Nairobi.</li> <li>- <b>May 2010</b>- attended a lecture by Prof Guru Prasad on “<b>Ethical Issues in Clinical Trials</b>” at the School of pharmacy</li> <li>- <b>May 2010</b>- attended a continuous medical education seminar on “<b>Management of Acute Myocardial Infarction</b>” at the Intercontinental Hotel</li> <li>- <b>May 2010</b>- Gave a talk on “<b>Use of Ceftriaxone in Meningitis</b>” at KEMRI Wellcome Trust Nairobi</li> <li>- <b>April 2010</b>- attended the Hospital Pharmacists Association conference on “<b>Management of Diabetes- Emerging Trends</b>” at the Panafric Hotel</li> <li>- <b>April 2010</b>-Attended a lecture by Dr Neil Pitts on “<b>Clinical Pharmacy- Emerging Trends</b>” at the School of Pharmacy</li> <li>- <b>April 2010</b>-Attended a lecture on “<b>Management of Hypertension</b>” by Dr Neil Pitts at the School of Pharmacy</li> <li>- <b>27<sup>th</sup> March 2010</b>- presented a paper “anticoagulation in Surgery and</li> </ul>
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	<p>Bridging Therapy” at the Hospital Pharmacists Association of Kenya Anticoagulation seminar at the Stanley Hotel</p> <ul style="list-style-type: none"> <li>- <b>20<sup>th</sup> March 2010</b>- attended lectures by Dr Carol Holtzmann on Treatment of HIV at the School of Pharmacy</li> <li>- <b>10<sup>th</sup>-13<sup>th</sup> March 2010</b>- attended and presented a paper at the Surgical Society of Kenya 10<sup>th</sup> annual scientific conference held at Nyali Beach Hotel Mombasa.</li> <li>- <b>6<sup>th</sup> March 2010</b>- attended the stakeholders meeting on HIV AIDS curriculum revision at Panafric Hotel</li> <li>- <b>3<sup>rd</sup> March 2010</b>- attended a conference on “ <b>Impact of pharmacies and Drug Shops in Kenya</b>” at KEMRI Wellcome Trust</li> <li>- <b>24<sup>th</sup> February 2010</b>- Attended The PSK/MSH HIV Training On ARV Related Side Effects And Pharmacovigilance At Panafric Hotel</li> <li>- <b>18<sup>th</sup> February 2010</b>- Attended The Hospital Pharmacists Association CME Lecture On Treatment Of Multidrug Resistant TB at Panafric Hotel</li> <li>- <b>20<sup>th</sup>-22<sup>nd</sup> August 2009</b>- attended the HOPAK annual conference at Windsor Country Club</li> <li>- <b>August 2008</b>- attended the PSK/MSH HIV training (eastern province) in Nairobi</li> <li>- <b>16<sup>th</sup>-17<sup>th</sup> August 2008</b>- attended the HOPAK annual conference at Windsor Country Club</li> <li>- <b>June 2008</b>- attended the ARCAN TOT Course for Physicians on Management of HIV at Methodist Guest House Nairobi</li> <li>- <b>19<sup>th</sup>- 21<sup>st</sup> June 2007</b>- attended a training on “ Medicines and Therapeutics Committees, Pharmacovigilance, Stores management,</li> </ul>
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	<p>inventory management and Quantification, Facility Improvement Fund, Performance Contract” for Rift Valley Province organized by the Ministry of Health and Pharmacy and Poisons Board in Eldoret.</p>
<p><b>OTHER DUTIES AND CONSULTANCIES UNDERTAKEN</b></p>	<ul style="list-style-type: none"> <li>- <b>8<sup>th</sup> and 12<sup>th</sup> September 2018:</b> Training of Pharmacists from all over Kenya on Pharmaceutical Care and Medication Therapy Management.</li> <li>- <b>August to September 2018:</b> Member of the organizing committee for the World Pharmacist Day/ Pharmacy Awareness Month, 2018</li> <li>- <b>April 2018:</b> Presented the Daramola Olujemisi Prize to the best female students in Pharmacy at Taifa Hall, University of Nairobi.</li> <li>- 10<sup>th</sup> April -21<sup>st</sup> April 2017- Acting Chairman, Department of Pharmaceutics and Pharmacy Practice</li> <li>- <b>12<sup>th</sup> January 2017 to January 2018:</b> Course Co-ordinator, Clinical Pharmacy, University of Nairobi.</li> <li>- <b>2016 to 2018:</b> ICT Champion Department of Pharmaceutics and Pharmacy Practice, University of Nairobi.</li> <li>- <b>26<sup>th</sup> January 2017-</b> Trained Healthcare workers from all over Africa on Dissemination Research, Implementation Science for the Afya Bora Global Health Leadership Fellowship at the Paediatrics Training Centre, University of Nairobi</li> <li>- <b>4<sup>th</sup> February 2016-</b> Trained Healthcare workers from all over Africa on Dissemination Research, Implementation Science for the Afya Bora Global Health Leadership Fellowship at the Paediatrics Training Centre, University of Nairobi</li> <li>- <b>January 2015-</b> Trained Healthcare workers from Africa on Dissemination Research, Implementation Science for the Afya Bora Global Health Leadership Fellowship at the Paediatrics Training Centre, University of Nairobi</li> <li>- <b>2016 to present:</b> Member of the Antimicrobial Stewardship Subcommittee of Kenyatta National Hospital.</li> </ul>

	<ul style="list-style-type: none"> <li>- <b>September 2016 to present-</b> Assistant Secretary, Kenya Society for Basic and Applied Pharmacology (KESOBAP)</li> <li>- <b>20/5/2016-</b> Presented the Daramola Oluyemisi award for the best female B.Pharm students of the years 2011 to 2013 at Taifa Hall, University of Nairobi during the University of Nairobi Prize giving day.</li> <li>- <b>December 2015-</b> Acting Chairman, Department of Pharmaceutics and Pharmacy Practice, University of Nairobi.</li> <li>- <b>2/8/2013-</b> Presented the Daramola Oluyemisi award for the best female B.Pharm students of the years 2009 and 2010 at Taifa Hall, University of Nairobi during the University of Nairobi Prize giving day.</li> <li>- <b>2012-</b> present- Mentorship co-ordinator for the B. Pharm I class University of Nairobi, School of Pharmacy</li> <li>- <b>August 2012 to present-</b> Manager and Consultant at the Pharmacy Practice and Drug Information Unit, University of Nairobi, School of Pharmacy</li> <li>- <b>July 2012 to present-</b> Member of several School of Pharmacy Committees- The Timetabling Committee, The Fourth Term Committee and the School of Pharmacy Publicity and Marketing Committee, Module 2 Funds Committee, Department of pharmaceutics and Pharmacy Practice.</li> <li>- <b>2010-Present</b> Coordination of the weekly Clinical grand ward rounds for M. Pharm Clinical Pharmacy at the School of Pharmacy.</li> <li>- <b>2010 to present-</b>Secretary, Clinical Pharmacy Association of Kenya</li> <li>- <b>March 2011- June 2011-</b> Secretary to the Pharmaceutical Care Symposium Committee that organized the 2011 Annual Scientific Conference at the Whitesands Beach Hotel, Mombasa.</li> <li>- <b>2011-</b>Mentoring of undergraduate students. Currently heading the 1<sup>st</sup> year class mentorship programme at the School of Pharmacy, University of Nairobi.</li> </ul>
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	<ul style="list-style-type: none"> <li>- <b>March 2011- June 2011-</b> Secretary of the Symposium Committee organizing the Annual Pharmaceutical Society of Kenya Scientific Conference held at Whitesands Beach Hotel, Mombasa, Kenya.</li> <li>- <b>March 2011-</b> Present- Founder member of the Pharmaceutical Care Working Group of Kenya, that works to improve Pharmaceutical Care in Kenya.</li> <li>- <b>May 2010-</b> gave a motivational talk to Chogoria Girls High School on their visit to the School of Pharmacy</li> </ul>
<p><b>LINKAGES AND COLLABORATIONS</b></p>	<ul style="list-style-type: none"> <li>- International Society of Pharmacoepidemiology, Contact: Prof Vincent Lo Re, Philadelphia, USA.</li> <li>- International Society of Pharmacoepidemiology Africa Chapter. Contact: Dr Appenteng Kwame. Email : <a href="mailto:Kwame.appenteng@astellas.com">Kwame.appenteng@astellas.com</a></li> <li>- Medicine Utilisation Research in Africa (MURIA) group, Namibia, Contact: Prof Brian Godman, <a href="mailto:briangodman@strath.ac.uk">briangodman@strath.ac.uk</a>.</li> <li>- University of Strathclyde, Scotland, United Kingdom. Contact: Prof Marion Bennie, <a href="mailto:marion.bennie@strath.ac.uk">marion.bennie@strath.ac.uk</a></li> <li>- Queen Elizabeth Children’s Hospital and NHS Greater Clyde and Glasgow. Contact: Dr Andrew Seaton, MD</li> <li>- University of Kansas. Contact: Prof Pat Parker</li> <li>- University of Washington Medical Centre Contact: Dr Rupali Jain</li> <li>- University of Washington, Seattle, Department of Global Health Contact: Dr Judy Wasserheit</li> <li>- Kenyatta National Hospital</li> <li>- Accurite Laboratories, Nairobi: Contact: Dr Francis Mwaniki</li> <li>- KEMRI- Wellcome Trust, Nairobi Contact: Prof Mike English</li> <li>- Tianjin University of Traditional Chinese Medicine, China</li> <li>- University of Washington, Seattle, USA</li> <li>- Mekam Pharmaceuticals Nairobi</li> <li>- Hospital Pharmacists Association of Kenya</li> <li>- Clinical Pharmacists Association of Kenya</li> </ul>

	<ul style="list-style-type: none"> <li>- International Association of Applied Pharmacology</li> <li>- Kenya Society of Basic and Applied Pharmacology</li> <li>- Kenya Women Pharmacists Association</li> </ul>
<b>ENGLISH LANGUAGE AND COMPUTER SKILLS PROFICIENCY</b>	<ul style="list-style-type: none"> <li>- Highly proficient in English as written and spoken language. English is the instructional language in Kenya from Primary School to University. It is also the official language of the country. I did English tests in both Primary and Secondary School and scored A in English at both levels.</li> <li>- Computer literate with proficiency in Ms Office.</li> </ul>
<b>CORPORATE SOCIAL RESPONSIBILITY AND CONTRIBUTION TO SOCIETY</b>	<ul style="list-style-type: none"> <li>- I have written several articles on health in the Healthy Woman Magazine. Latest issues are July and April 2014 issues</li> <li>- Organised contributions to and the visit to Joy Valley Children's Home in Kayole by the School of Pharmacy in April 2014.</li> <li>- Christian Union Patron, School of Pharmacy</li> <li>- Member of the Campus Outreach Ministry, Nairobi Baptist Church.</li> </ul>
<b>PERSONAL ATTRIBUTES</b>	<ul style="list-style-type: none"> <li>- God fearing and saved Christian</li> <li>- Hardworking and enthusiastic</li> <li>- Team player with excellent organizational skills</li> <li>- Co-operative with excellent interpersonal skills</li> <li>- Ambitious,</li> <li>- Self motivated and adaptive to challenging environments</li> <li>- Self driven,</li> <li>- Responsible</li> </ul>
<b>HOBBIES</b>	<ul style="list-style-type: none"> <li>- Internet surfing</li> <li>- Reading</li> </ul>
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