

## DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

### ANNUAL REPORT FOR JULY 1, 2011 TO JUNE 30, 2012

AREAS	
1) <b>Linkages/collaborations and partnerships</b>	1. MEDISHARE Partnership. Initiator: <b>Prof. G.N. Thoithi</b> . 2. Katholieke Universiteit Leuven, Belgium. Initiator: <b>Prof. I.O. Kibwage</b> . 3. University of Cape Town / University of Nairobi (through GIBEX Project).
2) <b>Academic Programmes:-</b>	-Preparing Master of Science (Medicinal Chemistry) syllabus. -Reviewing Master of Pharmacy (Pharmaceutical Analysis) syllabus.
3) <b>Publications</b>	Esther N. Matu, Peter G. Kirira, Elizabeth V. M. Kigundu, Enoch Moindi and <b>Beatrice Amugune</b> . Antimicrobial activity of organic total extracts of three Kenyan medicinal plants. African journal of Pharmacology and Therapeutics Vol.1 No.1 pgs 14 – 18. (2012).
4) <b>Conferences/Workshops attended.</b>	<p style="text-align: center;"><u>Participated Workshops/Conferences/International/National issues</u></p> 1. National HIV curriculum Writers' Retreat. Mombasa, Kenya. 8 <sup>th</sup> – 12 <sup>th</sup> August, 2011. <b>Prof. G.N. Thoithi</b> . 2. 2 <sup>nd</sup> Coordination meeting on Radiopharmacy in Dar es Salaam, Tanzania. 22 <sup>nd</sup> – 26 <sup>th</sup> August, 2011. <b>Prof. G.N. Thoithi</b> . 3. Innovative Medical Training Education. Nairobi, Kenya. 26 <sup>th</sup> – 29 <sup>th</sup> July, 2011. <b>Dr. B.K. Amugune</b> 4. Participation in the development of KNH-UON ERC & UON Grants Office Strategic Plans Workshop. 31 <sup>st</sup> July – 4 <sup>th</sup> August, 2011. Nyali Beach Hotel, Mombasa. <b>Dr. B.K. Amugune</b> . 5. Training of Trainers in Innovative Teaching Methodologies. KAVI. 29 <sup>th</sup> August - 1 <sup>st</sup> September, 2011. <b>Dr. S.N. Ndwigah</b> . 6. International Forum on Development of Traditional Chinese Medicine. Tianjin, P.R. China. 21 <sup>st</sup> – 23 <sup>rd</sup> September, 2011. <b>Prof. G.N. Thoithi</b> . 7. KNH- UON Ethics & Research Committee Strategic Plan Development Questionnaire. 27 <sup>th</sup> July, 2011. <b>Dr. B.K. Amugune</b> . 8. Participation in the development of KNH-UON ERC Strategic Plans Workshop. Nyali Beach Hotel, Mombasa. 8 <sup>th</sup> – 10 <sup>th</sup> August, 2011. <b>Dr. B.K. Amugune</b> . 9. The UNIDO PROJECT: Strengthening the local production of essential generic drugs in (L) DCS; Round table forum on Draft Kenya Pharmaceutical Sector Development Strategy (KPSDS). Jacaranda Hotel. August 26, 2011. <b>Prof. I. O. Kibwage</b> . 10. The Technical Evaluation Committee for Supply of Drugs & Surgical Equipment Retreat. KSMS, Nairobi. August 21-24, 2011. <b>Dr. K.O. Abuga</b> . 11. Invitation for September 2011 Series of PPB Pre- enrolment Examinations - Item writing. 4 <sup>th</sup> – 10 <sup>th</sup> September 2011. <b>Dr. K.O. Abuga</b> . 12. September 2011 Series of PPB Pre- enrolment Examinations- Administration. 19 <sup>th</sup> – 23 <sup>rd</sup> September, 2011. <b>Dr. K.O. Abuga</b> . 13. September 2011 Series of PPB Pre- enrolment Examinations - Marking. 2 <sup>nd</sup> – 12 <sup>th</sup> October, 2011. <b>Dr. K.O. Abuga</b> . 14. Invitation for September 2011 Series of PPB Pre- enrolment Examinations - Item writing. 4 <sup>th</sup> – 10 <sup>th</sup> September 2011. <b>Dr. B.K.</b>

**Amugune.**

15. September 2011 Series of PPB Pre- enrolment Examinations- Administration. 19<sup>th</sup> – 23<sup>rd</sup> September, 2011. **Dr. B.K. Amugune.**
16. September 2011 Series of PPB Pre- enrolment Examinations - Marking. 2<sup>nd</sup> – 12<sup>th</sup> October, 2011. **Dr. B.K. Amugune.**
17. Invitation to serve as External Examiner in the department of Medicinal Chemistry, Muhimbili University of Health and Allied Sciences, Tanzania. 1<sup>st</sup> – 5<sup>th</sup> August, 2011. **Prof. G.N. Thoithi.**
18. Evaluation of CTD Drug Applications. KCB, Karen. 24<sup>th</sup> – 30<sup>th</sup> July, 2011. **Dr. F.N. Kamau.**
19. Participation of Tianjin Training on Traditional Chinese Medicine. 11<sup>th</sup> – 25<sup>th</sup> October, 2011. **Dr. S.N. Ndwigah.**
20. Micro- Research interdisciplinary training workshop 14<sup>th</sup> – 25<sup>th</sup> November, 2011. **Dr. S.N. Ndwigah.**
21. Item writing workshop for November/December 2011 PPB Pre- registration examinations. 20<sup>th</sup> – 28<sup>th</sup> November 2011. **Dr. K.O. Abuga.**
22. Item writing workshop for November/December 2011 PPB Pre- registration examinations. 20<sup>th</sup> – 28<sup>th</sup> November 2011. **Dr. B.K. Amugune.**
23. Orientation and main workshop for Dental, Nursing, Pharmacy and Medical Schools. 17<sup>th</sup> December, 2011. **Dr. A. O. Okaru.**
24. Orientation and main workshop for Dental, Nursing, Pharmacy and Medical Schools. 17<sup>th</sup> December, 2011. **Dr. S.N. Ndwigah.**
25. Appointment to KNH/ UON Ethics and Research Committee (KNH/UON- ERC). 22<sup>nd</sup> December, 2011. **Dr. B.K. Amugune.**
26. Proposal Writing Workshop. 20<sup>th</sup> -24<sup>th</sup> February, 2012. **Dr. A. O. Okaru.**
27. Proposal Writing Workshop. 19<sup>th</sup> -23<sup>th</sup> March, 2012. **Dr. B.K. Amugune.**
28. Invitation for March 2012 Series of PPB Pre- enrolment Examinations. 11<sup>th</sup> – 16<sup>th</sup> March, 2012. **Dr. B.K. Amugune.**
29. Invitation for March 2012 Series of PPB Pre- enrolment Examinations. 11<sup>th</sup> – 18<sup>th</sup> March, 2012. **Dr. K.O. Abuga.**
30. Appointment as External Examiner in the department of Medicinal Chemistry, Muhimbili University of Health and Allied Sciences, Tanzania. 24<sup>th</sup> – 29<sup>th</sup> February, 2012. **Prof. G.N. Thoithi.**
31. Workshop to Review Bachelor of Pharmacy curriculum and internship guidelines. 22<sup>nd</sup> – 27<sup>th</sup> January 2012. **Dr. B.K. Amugune.**
32. Workshop to Review Bachelor of Pharmacy curriculum and internship guidelines. 22<sup>nd</sup> – 27<sup>th</sup> January 2012. **Dr. K.O. Abuga.**
33. Third writers/reviewers workshop for College of Health Sciences, Kenya School of Law. 26<sup>th</sup> – 30<sup>th</sup> March, 2012. **Dr. A. O. Okaru.**
34. Invitation for March 2012 Series of PPB Pre- enrolment Examinations. 8<sup>th</sup> – 18<sup>th</sup> April, 2012. **Dr. K.O. Abuga.**
35. Training on Principles of HPLC Series ‘HPLC Troubleshooting Course’. 23<sup>rd</sup> March, 2012. **Mr. J.M. Nguyo.**
36. Invitation to attend refresher training for Internal Quality Auditors. 25<sup>th</sup> – 27<sup>th</sup> March, 2012. **Mr. J.M. Nguyo.**
37. Invitation to attend Pace HIV Symposium. Nairobi. 14<sup>th</sup> – 15<sup>th</sup> , 2012. **Dr. K.O. Abuga.**
38. Item Writing and Administration of May/June 2012 PPB Pre- Registration Examinations. 20<sup>th</sup> -27<sup>th</sup> May, 2012. **Dr. K.O. Abuga.**
39. Administration of written and oral Examinations. 11<sup>th</sup> – 15<sup>th</sup> June 2012. **Dr. K.O. Abuga.**
40. Writing, review and revision of instructional materials Workshop for Dental, Nursing, Pharmacy and Medical Schools. 10<sup>th</sup> – 16<sup>th</sup> June, 2012. **Dr. A. O. Okaru.**

	<p><b>ONGOING RESEARCH PROJECTS</b></p> <ol style="list-style-type: none"> <li>1. Screening, isolation and characterization of antifungal principles from some traditional herbal medicines in Kenya. International Foundation for Science (IFS) Grant: US\$11,465.00 Principal Investigator: Dr. B.K. Amugune</li> <li>2. Edulink Medishare Project. Initiators: Prof. G.N. Thoithi.</li> <li>3. Development of antimicrobial products using plectranthus barbatus extracts: Towards improved healthcare and livelihoods in Kenya. National Council For Science and Technology. Grant: KES: 1,190,000/= Principal Investigator: Dr. Esther N. Matu, KEMRI; Co-investigator: Dr. Beaterice K. Amugune.</li> </ol>
<p><b>5) Consultancies:-</b> (On Drug Analysis and Good Manufacturing Practices)</p>	<ol style="list-style-type: none"> <li>1. Unga Limited, Kenya</li> <li>2. Centrale Humanitaire Medico-Pharmaceutique.</li> <li>3. Nerix Pharma Ltd, Kenya</li> <li>4. MEDS (Mission for Essential Drugs Supply), Kenya</li> <li>5. Medipharm Industries (E.A.) Ltd, Uganda</li> <li>6. Elys Chemical Industries Ltd., Kenya</li> <li>7. Norbrook Kenya Ltd., Kenya</li> <li>8. Synermed Ltd, Kenya</li> <li>9. Medisel Kenya Limited</li> <li>10. Dawa Limited</li> <li>11. Metro Pharmaceuticals Ltd.</li> <li>12. Pearsons Chemicals Ltd.</li> <li>13. Regal Pharmaceuticals Ltd.</li> <li>14. Zuripharma Ltd.</li> </ol>

15. Metrovet (K) Ltd.
16. Climax Pharmaceuticals Co. Ltd.
17. Laborex Kenya
18. Highnoon Laboratories Ltd.
19. Sai Pharmaceuticals Ltd.
20. Kotra Pharma Ltd.
21. Famy Care Ltd.
22. Agog Pharma Ltd.
23. Harley's Ltd.
24. Medley Pharma Ltd.
25. Bayer E.A. Ltd.
26. Intas Pharmaceuticals Ltd.
27. Renata Ltd.
28. Pramukh Chemists Ltd.
29. Surgilinks Limited
30. Globe Pharmacy Ltd.
31. Namm Pharmaceutical Ltd.
32. Ripple Pharmaceuticals Ltd.
33. Maxim Pharmaceuticals Ltd.
34. Goldaim Ltd.
35. Pharmacy & Poisons Board
36. Medox Pharmaceutical Ltd.

37. GlaxoSmithKline Ltd.
38. Universal Corporation Ltd.
39. Shalina Laboratories Ltd.
40. Aesthetic Ltd.
41. Delta Pharma Ltd.
42. Vetcare (K) Ltd.
43. Arom Chemical Industries
44. Vital Healthcare
45. Reckitt Benckiser Healthcare
46. Laboratory & Allied Ltd.
47. Surgipharm Ltd.
48. Galaxy Pharmaceuticals Ltd.
49. Pharmaceutical Manufacturing Company
50. Lesukut Limited
51. YSP Industries
52. Plethico Pharma
53. Flamingo Pharma
54. Pfizer Laboratories
55. Nabros Pharma PVT. Ltd.
56. PSA International
57. Healthcare Pharmaceuticals Ltd.
58. High Chem Pharm. Ltd.

	<p>59. Panaceau Pharmaceuticals Ltd.</p>
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	<p>60. Kenya Agricultural Research Institute (KARI)</p>
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	<p>61. Ally Pharma Options Out Ltd.</p>
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