

C U R R I C U L U M V I T A E

PROF. ANASTASIA NKATHA GUANTAI

***B. PHARM (NAIROBI, KENYA)
MS. PHARMACY (NAIROBI, KENYA)***

PHD (PHARMACY) NAIROBI KENYA

MEMBER - PHARMACEUTICAL SOCIETY OF KENYA (MPSK)

PROFESSOR

***PHARMACOLOGY AND THERAPEUTICS
DEPARTMENT OF PHARMACOLOGY AND PHARMACOGNOSY UNIVERSITY
OF NAIROBI***

December 2016

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ANASTASIA NKATHA GUANTAI (PhD)

A. PERSONAL PARTICULARS

Full Name: Anastasia Nkatha Guantai (Prof. Mrs.)
Date of Birth: 2nd January 1953
Place of Birth: Katheri Village, Meru District, Kenya
Nationality: Kenyan
Marital Status: Married

Address: *Official:*
School of Pharmacy, University of Nairobi,
P.O. Box 19676-00202
NAIROBI
Private P.O. Box 19328 – 00202, Kenyatta National Hospital
NAIROBI

B. PRESENT POSITION: Full Professor (Pharmacology and therapeutics) Department of Pharmacology and Pharmacognosy-School of Pharmacy, University of Nairobi

C. QUALIFICATIONS: PhD (Pharmacology & Therapeutics), University of Nairobi, 1991
MSc. (Pharmacy) University of Nairobi, 1982
B.Pharm. (University of Nairobi), 1978
Registered Pharmacist, (Pharmacy and Poisons Board) 1979

D. EDUCATIONAL BACKGROUND

1985 – 1990 University of Nairobi

1990 Doctor of Philosophy (**PhD**)

1980 -1982: University of Nairobi

1982 Master of Science (**MSc. Pharmacy**),
(University of Nairobi)

1974 -1978 Bachelor of Pharmacy (**B.Pharm**)

1972 -1973: High School – Tumutumu Girls High School Karatina, Nyeri

1973:	East African Advanced Certificate of Education (EAACE)
1968 -1971:	Secondary School - St. Mary's Girls Secondary School, Egoji Meru
1971	East African Certificate of Education (EACE)
1961-1967:	Primary School - Kathiranga F/P School Meru Kenya African Primary Education (KAPE)

E. KEY SKILLS AND COMPETENCIES

- ↪ Administration and Management Skills
 - ♣ Strategic planning, program /project development and implementation, monitoring and evaluation, Institutional management,
- ↪ Consultancy and Supervisory Skills
- ↪ Communication and Documentation Skills
 - ♣ Facilitation of educational seminars, workshops
 - ♣ Report writing
 - ♣ Scientific writing and publishing
- ↪ Excellent Interpersonal Skills (mentoring and client/customer service)
- ↪ Analytical Skills
- ↪ Policy management and advocacy skills
 - ♣ Project planning and evaluation
- ↪ Training and Facilitatory Skills
 - ♣ Over 25 years teaching experience at University Level (both undergraduate and postgraduate)

- ♣ Facilitated development, review and implementation of research projects by postgraduate students.
- ♣ Organiser and trainer in a number of programmes e.g. Good Laboratory Practice (GLP), Good Clinical Practice (GCP), Typhoid/communicable disease prevention public health forum
- ♣ Development of training materials
- ♣ Curriculum development (Undergraduate and postgraduate)
- ↪ Research Skills (Research conception, project design and implementation)
 - ♣ Research and development of drugs (conception, design and implementation)
 - ♣ Development of clinical trials protocols
 - ♣ Implementation and management and monitoring of clinical trials
- ↪ Experience in drug regulatory and health policy issues
 - ♣ Health Research Ethics (management of committee, review and monitoring of research)
- * Capacity building, training and mentoring professionals
- Advocacy in patenting and intellectual property rights

F. UNIVERSITY APPOINTMENTS.

1980	(May)	<i>Postgraduate student (2 years) Also taught, conducted practicals and tutorials in pharmacology</i>
1982	- 1984	<i>Tutorial Fellow (3 years)</i>
1984-1988:		<i>Lecturer (5 years)</i>
1988	May - 1996:	<i>Senior Lecturer (8 years)</i>
1990	- 1993	
		<i>Assoc. Dean, CHS, Dept. of Pharmacy,</i>
1993	- 1995	<i>Chair Dept Pharmacy, F/ of Medicine</i>
1995	July 3 rd -2000 april 6 th	<i>Acting Dean, Faculty of Pharmacy (5years)</i>
2000 April 7 th -		<i>Elected Dean, Faculty of Pharmacy (first term)</i>
2002 July 4 th		
2002 july 5 th -	2004 july 6 th	<i>Elected Dean, Faculty of Pharmacy (second term)</i>
1998 May 23 rd -		
29 th		<i>Ag Principal</i>
1995 march	3 rd - 2010 Dec 21	<i>Associate Professor</i>
2010 Dec	To date	<i>Full Professor</i>

G. UNIVERSITY TEACHING EXPERIENCE

Period of teaching experience – 34 years

1982 - 1984 *Tutorial Fellow (3 years)*

1984-1988: *Lecturer (5 years)*

1988 May - 1996: *Senior Lecturer (8 years)*

1995 March 3rd *Associate Professor (12 years)*

2010 Dec to date *Full Professor*

Duties include teaching and examination of both undergraduate and postgraduate students, coordination of research, supervising Master's and PhD students registered in the University of Nairobi. Other Universities (local and foreign) also seek supervisory support for their postgraduate students as part of collaboration.

I have also served as an external and internal examiner for National and Region academic institutions for several years.

H. POSTGRADUATE RESEARCH SUPERVISION

(a) MASTERS STUDENTS

1. Student Name: Paul Kamaki Kamote

Msc - Dept. of Crop Science

Title: Formulation of Antibiotics produced by Bacillus subtilis and determination of their efficacy in controlling beananthracnose and coffee berry disease

Project status – Completed (1999)

2. Student Name: Faith Okalebo ,

Msc: University of Nairobi

Title-Phytochemical and Pharmacological Investigation of Clematis Brachiata

Thunberg ;Project status – completed (2001)

3. Student Name: Kefa Bosire ,

Msc: University of Nairobi

Title: An Investigation of a traditional Herbal Therapy used to treat malaria in Kisii

Project status – completed (2003)

4. StudentName:CatherineMalele

Msc Kenyatta University

Title: Phytochemical and Antimalarial Screening of some plants used in Traditional Medicine in coast province of Kenya – Project status – completed (2005)

5. Student Name: Jayne Kivai

Msc - Pharmacology and Toxicology – University of Nairobi

Title - Outcome of Drug Management of Patient with AIDS Related Kaposi Sarcoma in KNH over 10 weeks period -Project status – Completed (2007)

6. **Student Name: John Chumba**
MMed: Paediatric and Child health - University of Nairobi
Title- Comparison between Serum Theophylline Levels after Rectal and Intravenous Administration of Aminophylline in Preterm Neonates at KNH Newborn Unit.
Project status – completed (2007)
7. **Student Name; Stephen Kimathi Kaugu**
M.Pharm University of Nairobi
Title: Assessment of Acute organophosphate poisoning at Kenyatta National Hospital, and selected rural hospitals in central province, Kenya (June 2004 – Dec 2006
Project Status Completed (2008)
8. **Student Name: Irene Weru: M.Pharm-Clin Pharm University of Nairobi**
Title: A five year follow up retrospective study on the therapeutic management of breast cancer patients at Kenyatta National Hospital ;Project status – Completed (2009)
9. **Student Name: Lily N. Kimuhu M.**
Pharm – University of Nairobi
Title: Review of Pharmacological Management of Type 2 Diabetes Mellitus in Kenyatta National Hospital .Project status – Completed (2009)
10. **Dorothy Aywak: M Pharm ,University of Nairobi**
Title: Insulin Medication Errorsand contributing Factors at Kenyatta National Hospital (Project Status Completed 2015)
11. **Matala Wafula: MSc Tropical and Infectious Diseases, University of Nairobi**
Title: Antimalarial use in major public hospitals in Eldoret Town; Review of use Uasin Gishu, and Huruma County Hospitals and Moi Teaching and Referral Hospital Project Status Completed 2015)
12. **Elizabeth Kemunto Okerosi : M.Pharm. Epivigil 2016**
Title; Prevalence and Risk Factors for Medication Discrepancies on admission of Elderly Diabetics at Kenyatta National Hospital . Project status- Research ongoing
13. **Emmanuel Kipkurui Kurgat: MPharm Epivigil 2016**
Title: Assessment of Impact of Vincristine protocol development and implementation on patient and staff at Kenyatta National Hospital
Project Status: Research Ongoing.
14. **Student Name: Samuel Guya**
MSc- Kenyatta University
Title - Evaluation of Antimalarial Activity of some Kenyan Plants used traditionally for

the Treatment of Malaria and Fever
Project status (Research work completed – compiled thesis is under examination)

(b) PhD Students

1. **Student Name: Faith Okalebo**
PhD - University of Cape Town
Title - Phytochemical and Toxicological Evaluation of Plants with Antimalarial Activity from Kenya
Project status – Completed (2008)

2. **Student Name: Jesca Wesonga: PhD - University of Nairobi**
Title - Modification and Application of Chloramphenicol Eliza method for the Detection and monitoring of Chloramphenicol Residues in Livestock Products in Nairobi Province – Kenya
Project status – Completed 2008

3. **Student Name: Benson Mulemi-**
PhD University of Amsterdam
Title - Therapy Management Culture and Responses In Cancer
Project status – Completed 2009

4. **Student Name: Moni E. Wekesa**
PhD – University of Nairobi
Title – The regulation of Doping control in sports: towards a legislative response to the proliferation of prohibited substances and methods in Kenya to the Kenyan experience
Project status – Completed 2010

5. **Student Name: Margarate Oluca : PhD – University of Nairobi**
Title – The Occurrence of Cytochrome P450 Enzyme Genotypes and their Influence on the Pharmacokinetics of commonly used Psychotropic Agents in the Kenyan African population
Project status – Completed 2012

6. **Student Name: Kefa Bosire**
PhD - University of Nairobi
Title – Effects of Chinsaga (*Gynandropsis gynandra*) on Haematological profile and markers of iron metabolism in Kenyan breastfeeding women
Supervisors: Prof. Anastasia Nktha Guantai, PhD
Dr. Faith Apolot Okalebo, PhD
Dr. George Oyamo Osanjo, PhD
Project status – Completed 2014

7. **Student Name: Nelly Mungai**
PhD - University of Nairobi
Title -Antimalarial activity of annonanceae family found in Kenya..
Project status – (Completed Dec 2015)

8. **Student Name: John Mutwiri Bururia**
PhD: University of Nairobi
Title: Assessment of resistance mechanisms among *Escherichia coli*, *Klebsiella* species, and *Pseudomonas aeruginosa* causing infections at the Kenyatta National Hospital, Nairobi, Kenya
Project status – Research work on going
- 9 **Student Name: Thaimuta Zakayo**
L PhD: – University of Nairobi
Title: Riboflavin protective role against mitochondrial toxicity and lipodystrophy due to stavudine and lamivudine
Supervisors: Prof. Christine Kingodu, PhD
Prof. Anastasia Nkatha Guantai, PhD
Prof. Wallace Bulimo, PhD
Project: - Completed Dec 2014
10. **Student Name: Peter Ndirangu Karimi**
PhD: - University of Nairobi
Title: Challenges in Tuberculosis Chemotherapy: The Trends of Resistance and Adverse Reactions
Project status – (Research on going)
11. **Student Name: David Gitonga Nyamu**
PhD:- University of Nairobi
Title: Genetic Determinants of Warfarin Response in Kenya Patient
Project status: (Research on going)
12. **Student Name: Protus Arrey Tarkang : PhD:** University of Nairobi
Title: Evaluation of the medicinal properties and safety of a Polyherbal Product (Nefang)
Supervisors: Prof. Anastasia Nkatha Guantai
Dr. Faith Okalebo, PhD
Dr. Gabriel A. Agbor
Project Status : Completed Dec 2014
13. **Student name: Irene Njeri Chege: PhD JKUAT**
Title: Comparison of the Safety and Effectiveness of Anti-diabetic herbal preparations and allopathic medicines:
Supervisors: Prof Anastasia Nkatha Guantai PhD
Dr.Faith A, Okalebo PhD
Prof Samuel Karanja PhD
Dr. Solomon Derese PhD
Project Status : Completed Dec 2016
14. **Student Name: Aaron Nicholas Yarmoshuk:PHD;** University Of The Western Cape

Title: *The role of international partnerships in building the capacity of health professional programs in Kenyan and Tanzanian universities*
Project Status: Thesis writing ongoing

(c) CURRICULUM DEVELOPMENT

I have provided stewardship and facilitation in the development of Regulations and syllabi for The following programmes:

- Master Of Science In Molecular Pharmacology [Msc. Mol. Pharmacol.]
- Masters of Pharmacy In Pharmacoepidemiology And Pharmacovigilance [M.P.P]
- Masters of Pharmacy in Clinical Pharmacy
- Master of Science Pharmacognosy and Complementary Medicine
- Preceptorship Programmes in Renal dialysis (Renal pharmacy, Renal Nutrition, nephrology Nursing , laboratory medicine, dialysis access) East African Kidney Institute (EAKI):**2016**

I. ACADEMIC APPOINTMENTS

1. **External Examiner:** – Clinical Pharmacology; Muhimbili University College of Health Sciences Department of Pharmacology and Therapeutic, Faculty of Medicine, February **2008**
2. **External Examiner:** in Clinical Pharmacology; Bugando University, College of Health Sciences, Department of Pharmacology St Augustine University Mwanza Tanzania March **2008**
3. **External Examiner:** in Clinical Pharmacology; Bugando University, College of Health Sciences, Department of Pharmacology St Augustine University Mwanza Tanzania March **2007**
4. **External Examiner:** in Clinical Pharmacology; Bugando University, College of Health Sciences, Department of Pharmacology St Augustine University Mwanza Tanzania March **2006**
5. **External Examiner:** MSc Pharmacology Thesis – Antibacterial Activity of Selected Medicinal Plants used to Treat Infection in Human and Animals in Uganda. Bbosa Godfrey Sande **Makerere University 2005**
6. **External Examiner:** MSc Pharmacology Thesis – Sulfonamide residues in chicken eggs in Kampala, Uganda and assessment of the knowledge, attitudes and practices of farmers on sulfonamide use in chicken: James Jacob Sasanya **Makerere University 2003**
7. **External Examiner:** MSc Pharmacology Thesis – Blood cell picture in HIV patients in Uganda. A comparative study of the picture in HIV patient on highly active antiretroviral therapy with those who are not: Nanzigu Sarah. **Makerere University 2003**
8. **External Examiner:** MSc Pharmacology Thesis – Comparison of hyperlipidemias and types

among HIV/AIDS patients treated with highly active antiretroviral therapy (HAART) and those who are not on treatment, in Uganda: Mukonzo Kijumba B. Jackson
Makerere University 2003

9. **External, Examiner:** – in Clinical Pharmacology; Makerere University Department of Clinical Pharmacology **July 1996, July 1997, July 1998, July 2002, July 2003, July 2004.**
10. **External, Examiner:** – in Clinical Pharmacology; – Muhimbili University College of Health Sciences Department of Pharmacology and Therapeutic, Faculty of Medicine, **July 1998, July 1999, July 2000 MEMBER BOARD OF EXAMINERS: MSc. Thesis (1997)**
Traditional Medicines in anticonvulsant therapy implications of Trace elements in health and disease.
11. **External Examiner:** PhD Thesis (1997) studies of the antimalarial activities of some Ugandan Medicinal Plants – Jospser W. Ogwal Okeng (Makerere University).
12. **Chairman Board Of Examiners:** - MSc. Thesis 8th June 1992. Carbohydrate and proline catabolism in-vitro in propagated procyclic trpanosoma congolese H.V counqu - Dept. of Biochemistry.
13. **Chairman Board Of Examiners:** MSc. Thesis 3rd June 1992. Effect of benzoquinones namely uglone, embeline, maesaquinone and maesanquinone and maesanin on rat liver and insect flight muscle mitochondria - Ms E.N. Magiri Dept. of Biochemistry.
14. **External Examiner:** PhD Thesis - Investigation of some Clinical Pharmacokinetic factors in Kenyan Africans Prof Juma – Dept. of Clinical Pharmacology, Faculty of Medicine
15. **Chairman:** – College Academic Board Subcommittee on Review of the Staff Evaluation Criteria and Appraisal Form July 2008
16. **Member:** College Academic Board 1990 to date
17. **MEMBER:** Deans committee 1995 – 2004, 2012 to date
18. **Chairman:** Faculty of medicine prospectus committee 1994 – 1995
19. **Chairman:** Department of Pharmacy 1993-1995 July
20. **Member:** Faculty Board of Medicine 1992 - July 1995
21. **Departmental Representative:** Senate Time Tabling Committee.1990-1995
22. **Internal Examiner:** MSc. Thesis Study of toxic effects of euphorbia cotinifolia in laboratory animals. By Oguttu Charles Osweto B.V.M 1994

23. **Internal Examiner:** Implications of trace elements in health and in disease. By Mr. A.M. Kinyua - Dept. of Chemistry **1994.**
24. **Internal Examiner:** MSc. Thesis - study of Toxicity of Peddiea Fischeri (Eng1) Heliotropium Scottae Reddle in animals by Wahome W.T. Muchiri (Vet) **1993.**
25. **Internal Examiner :** MSc. Thesis Effect of experimental p asteurella Haemolytica pneumonia in Goats on the Pharmacokinetic profile of Doxycycline By Isaac M. Ole-Mapenay (B.V.M) **1993**
26. **Member:** Faculty of Medicine 8:4:4 syllabus harmonization committee **1989 – 1993**
27. **Internal Examiner:** and Board Member, PhD thesis (Psychiatry) - Traditional Medicines in Anticonvulsant Therapy
28. **Member Board Of Examiners:** - MSc. Thesis Comparative study of the effect of the benzoquinones on rat liver and insect flight muscle mitochondria. E. N. Magiri **1992**
29. **Chairman:** Faculty of Pharmacy Committee on Development of Postgraduate programmes
30. **Chairman:** Committee on Upgrading of the Department of Pharmacy to a Faculty status **1991 -1995 July**
31. **Member:** Departmental postgraduate/scientific research committee
32. **Member:** 8:4:4 syllabus development and review committee
33. **Member:** Editorial Advisory Board (NUPHARMA) **1993 to 2005**
34. **Member:** Drug and Therapeutics Committee (KNH) **1991 to 1995, 2010 to dateb,**

J. ADMINISTRATIVE EXPERIENCE

UNIVERSITY

(i) SENATE LEVEL

- ♣ Co-Opted member- committee on alignment of the University policies to the Constitution of Kenya 2010- **June 11, 2015**
- ♣ **Member; Senate Student Mentorship Committee 2015 to date**
- ♣ **Member :** Senate Student Welfare Committee **2014 to date**
- ♣ **Member:** University of Nairobi – Gender Policy Development Committee **2008**
- ♣ **Member:** University of Nairobi Senate **1990 - 2004 and 2012 to date**

- ♣ **Member:** Several University senate sub-committee
- ♣ **Member:** Deans committee **1995 – 2004, and 2012 to date**
- ♣ **Chair:** Ad-Hoc Committee on strengthening and improving Academic Programmes and Related Activities **2010**
- ♣ **Member:** University of Nairobi Senate Student Mentorship Committee 2014
- ♣ **Member:** University of Nairobi Student Advisory Board 2014

(ii) COLLEGE LEVEL

Chairman: 1st (2011) ,2nd (2013) and 3rd (2015) International Scientific Conference, Steering/ Organizing Committee

- ♣ **Chairman:** – College Academic Board Subcommittee on Review of the Staff Evaluation Criteria and Appraisal Form July **2008**
- ♣ **Member:** College Management Board Sub Committee on Employees Satisfaction **April – May 2008**
- ♣ **Member:** College Academic Board Sub Committee on Criteria for appointment of Honorary Lecturers **2006/2007**
- ♣ **Member:** College Academic Board **1990 to date**
- ♣ **Member:** College Management Board **1990 – 2004, and 2012 to date**
- ♣ **College Representative/Organizer:** First Kenyan Universities Exhibition – UoN and CHS Committees April **2002**
- ♣ **Member:** College Adhoc Committee on (FTSSE) Full time staff Student equivalent
- ♣ **Member:** College Adhoc Committee on teaching facilities at the medical school
- ♣ **Member:** College Adhoc Committee on preclinical departments.
- ♣ **Member:** College of Health Sciences Adhoc Committee on Criteria of Promotion of Teaching staff **1993-1999**.
- ♣ **Member:** College Sub-Committee on Establishment of A University Teaching Hospital

(iii) FACULTY LEVEL

- ♣ **Elected Dean:** School of Pharmacy March 2014 to date (2 consecutive terms)
- ♣ **Acting Dean:** School of Pharmacy March 2012 to March 2014
- ♣ **Chairman:** School of Pharmacy Alumni- Re-Launch Committee July **2008**
- ♣ **Member:** School of Pharmacy Research Proposal Writing Committee Feb **2008 to date**
- ♣ **Founder Dean:** Faculty of Pharmacy (**9 years**) July **1995** to July **2004**
- ♣ **Acting Dean:** Faculty of Pharmacy (**5years**) 1995 July 3rd – 2000 April 6th
- ♣ **Elected Dean:** Faculty of Pharmacy (**first term**) 2000 April 7th – 2002 July 4th
- ♣ **Elected Dean:** Faculty of Pharmacy (**second term**) 2002 July 5th – 2004 July 6th
- ♣ **Chairman:** Faculty of Pharmacy income generating committees (**1995 – 2004**) Provided Innovative Stewardship in establishing the first public/private Partnership in the University that gave birth to the Pharmacy Practice Centre (PPC).
- ♣ **Chairman:** Committee on physical development of the Faculty of Pharmacy, **1995 -2004**
- ♣ **Chairman :** Faculty committee on Development of Postgraduate programmes, **1995-2004**

- **Chairman:** Committee on Upgrading of the Department of Pharmacy to a Faculty status **1993-1995**
- **Member:** Deans Sub-committee on Vice-Chancellors award **1999**
- **Member:** Faculty Board of Medicine **1992 - July 1995**
- **Chairman:** Faculty of medicine prospectus development committee **1994 - 1995**
- **Member:** Faculty Sub committee on University Terms of Service Review **1995**
- **Member:** Faculty of Medicine Silver Jubilee Committee **1995**
- **Chairman:** Faculty of Pharmacy University of Nairobi Alumni **1993** to date
- **Departmental Representative:** Senate Time Tabling Committee. **1990-1995**
- **Member:** Faculty of Medicine Nairobi Show committee **1994**
- **Member:** Faculty of Medicine 8:4:8 syllabus harmonization committee **1989 – 1993**
- **Associate Dean:** Faculty of Medicine in charge of the Department of Pharmacy **1990-1993**
- **Member And Ag. Chairman:** Faculty of Medicine income-generating committee **1992**
- **Representative Of Dean:** Medicine to various College, Faculty and University Committees

(iv) DEPARTMENTAL ACTIVITIES

- **Chairman:** Department of Pharmacy **1993-1995** July
- **Founder Hon. Secretary and member of Board of Trustees:** Pharmacy Development Trust (PDT) **Oct.1993 to date**
- **Chairman:** Departmental Clinical/responsibility allowance committee
- **Member:** Departmental postgraduate/scientific research committee
- **Member:** Postgraduate syllabi development committee
- **Member:** 8:4:4 syllabus development and review committee (CAB-Sub)
- **Chairman:** Income generating committees (**1995 – 2004**)

K. SPECIAL DUTIES AND APPOINTMENT

(a) BOARD CHAIRMAN – PEST CONTROL PRODUCT BOARD (PCPB)

Presidential appointment – April **2002- Oct 2011**.

The Pest Control Product Board PCPB is a regulatory Board established by and act of parliament (Cap 346) its mandate is to regulate the manufacture, sale, importation, exportation,

registration, transportation, use and disposal of Pest Control Products. Veterinary and general environment including public health

Chairman-Kenyatta National Hospital- University of Nairobi Ethics And Research Committee (KNH-UON,ERC)- **2012 to date**

Chair/ President-Kenya Society For Basic And Applied Pharmacology (KeSoBAP) **Jan 2011 to date**

(b) Executive Secretary /Member Kenyatta National Hospital/ University of Nairobi–Ethics and Research Committee KNH-UON-ERC) **1990–2012**. Appointed by the Director – Kenyatta National Hospital in consultation with University of Nairobi management. The committees’ responsibilities are to vet and ensure scientific soundness of the research protocols in order to protect human subjects in line with the international guidelines on Bioethics. Maintenance of research data base, development of guidelines on institutional research policy and overall surveillance and maintenance of discipline in research

(c) Head/Cordinator: Molecular Biology And Bioanalytical Laboratory (UON-AiBST LAB) **2006 to date**

The Lab is established under an MOU between University of Nairobi (UON) and African Institute of Biomedical Sciences and Technology (AiBST), Zimbabwe. The MOU was signed on 10th August 2006 (5year duration and renewable)

The Lab will progressively develop capacity to carry out

- ♣ Pharmacogenetic studies
- ♣ Clinical genetic studies
- ♣ Therapeutic Drug Monitoring for Anti-malarial, Anti-TB and Anti-HIV/AIDs Drugs
- ♣ Development of Molecular diagnostic methods for tropical and infectious diseases
- ♣ Development of Pharmaco-informatic tools for Disease Diagnosis and Pharmacotherapeutics
- ♣ Natural Product Research and Development including Clinical Trials.

L. NATIONAL AND INTERNATIONAL APPOINTMENTS AND RESPONSIBILITIES

1. **Member:** National Antimicrobial Stewardship Advisory Committee (NASAC); **2012**
2. **Member:** African Network for Drugs and Diagnostics Inovation,Scientific and Technical Advisory Committee (ANDi-STAC) **2009to date**
3. **Member:** ANDi (African Network for Drugs and Diagnostics Innovation) Task Force **Dec 2008 to date**
4. **Member:** Pest Control Product Board **3rd Term** (Presidential appointment) **31st October 2008 – 30th October 2011**
5. **Member:** Technical Working Group (TWG) National Pharmaceutical Quality Assurance Surveillance Framework Development Committee. **16th October 2008 to date**
6. **Member: Reviewers’ Panel** “ Karscom Proposals National Aids Control Council **Jan 2008 to date**
7. **Member:** National Medicine and Therapeutics Committee (NMTC) **2007 to date**
6. **Member:** African Consortium on Establishment of a BioBank and Pharmacogenetic

- Database of African Populations **2006 to date**
7. **Chairman:** AiBST, Eastern region Centre **2006 to date**
 8. **Member:** AiBST Steering Committee **2006 to date**
 9. **Member:** KNH formulary sub-committee May **2006**
 10. **Member:** Legal/Ethics Thematic group for implementation of Kenyan National Guidelines for research and Development of HIV/AIDS Vaccine **2005 to date**
 11. **Member:** Medicines and Therapeutics Committee **KNH** February **2004 to date**
 12. **Member:** Kenya Medical Association (KMA) Drug Policy Standing Committee June **2003 to date**
 13. **Chairman:** Hospital Therapeutics Committee Kenyatta National Hospital May **2002 to date**
 14. **Member:** – Kenya Medical Association Training Committee – HIV/AIDS Management May **2002**
 15. **Chairman:** – Pest Control Products Board (PCPB) (**Presidential appointment**) April **2002 to date Oct 2011**
 16. **Member:** First Kenyan Universities Exhibition Committee – UoN and CHS representative Committees April **2002**
 17. **Member:** Technical Advisory Group – Increasing Access to reproductive Health for Adolescents through Pharmacies Project by PATH (Kenya) Programme for Pharmacies Technology in Health **2001 to date**
 18. **Member:** Committee on Harmonization of Undergraduate pharmacy curriculum in eastern and southern African Region - Kariba Zimbabwe 8th – 14th April **2001**
 19. **Member:** UMB Ad Hoc. Committee on the relationship between University of Nairobi (UON), *KNH Board* and Ministry of Health July **1999** (Report)
 20. **Member:** Pharmacy and Poisons Board (PPB) - Task force, committee on Development of Application forms and Guidelines on Alternative Medicines (Naro Moru) **1999**
 21. **Member:** of the KNH Medical Advisory Committee (MAC) KNH **1988 to 2004 and 2012 to date**
 23. **Member:** of Ethics and Research Committee KNH (KNH-ERC) **1989 to date**
 24. **Member:** Pharmacy and Poisons Board Technical Committee on complementary medicines Dec. **1997**
 25. **Who** Temporary Advisor (Consultant) Preparing the Future Pharmacist: Curriculum Development Vancouver Consultations 27th – 29th August **1997**
 26. **PSK Nominated:** member to National Drug Policy Committee Jan. **1996**
 27. **Board Member:** - National Drug Quality Control Laboratory **1993 – 1995**
 28. **Member:** of the Drug and Therapeutics Committee (KNH) **1991 to 1995**
 29. **Founder Member:** - Pharmacy Development Trust (**1993**) *to date*
 30. **Hon. Secretary** & Executive member of Board of Trustees Pharmacy Development Trust. **1993 to date**
 31. **Member:** - (Faculty of Medicine and Ministry of Health representative) Kenya National Drug Policy. Final workshop (Garden Hotel Machakos September 6th **1993**).
 32. **Member:** of Editorial Advisory Board (NUPHARMA) **1993 to 2005**
 33. **Consultant/Trainer:** “Rational Management of Childhood diarrhoea” Joint WHO, CDD, UNICEF and PSK Seminar 3rd - 24th August **1992**.
 34. **Member:** Technical evaluation committee (TEC Vet) – Pharmacy and Poisons Board 12th November **1991 to 2003**

35. **Reviewer:** of Research Proposals for Kenyatta National Hospital – Ethics and Research Committee **1989 to date**
36. **Technical Secretary:** Kenyatta National Hospital/University of Nairobi – Ethics and Research Committee (KNH/UON-ERC) **1990 to 2014**
37. **Member:** Technical Evaluation Committee (TEC Human) Committee (involved in the evaluation of drugs for registration in the Kenyan Market) **1993 - 1996**
38. **Member:** Mitshamba Drug Research Centre - Faculty of Pharmacy **1985 to date**

N. PEER REVIEWED PUBLICATIONS OF ORIGINAL WORK

Aaron N. Yarmoshuk, **Anastasia Nkatha Guantai**, Mughwira Mwangi, Donald---Christina Zarowsky; Mapping International University Partnerships identified by East African Universities as Strengthening their Medicine ,Nursing and Public Health Programmes; *Annals of Global Health*,07/2016, DOI:10.1016/j.aogh2016.7.006

Jesca O. Wesongah and **Anastasia N. Guantai**; Isolation and characterization of anti-chloramphenicol antibodies using SDS Page; *African Journal of Pharmacology and Therapeutics*;5(3):174-180, **2016**

Musa Otieno Ngayo,Faith Apolo Okalebo,Wallace Dimbuson Bulimo, Christina Mwachari, **Anastasia Nkatha Guantai** and Margaret Oluka; Impact of First line Antiretroviral Therapy on clinical outcomes among Hiv-1 infected adults attending one of the largest Hiv care and treatment program in Nairobi, Kenya; *Journal of AIDS& Clinical Research*;01/2016 7(7).DOI:10.4172/2156-6113.1000.

Jones Makori, Margaret Ambetsa, Kipruto A. Sinei, George O. Osanjo, **Anastasia N. Guantai**, Scott McClelland, Margaret N Oluka, and Faith A. Okalebo; Patterns and risk factors for Alanine Aminotransferase elevation among HIV patients on Nevirapine regimens; *African Journal of pharmacology and Therapeutics*,4(2) 59-66, **2015**

Irene Chege, Faith Apolot Okalebo, **Anastasia Nkatha Guantai**, Simon Karanja, Solomon Derese. Management of Type 2 Diabetes Mellitus by Traditional Medicine Practitioners in Kenya- Key Informant Interviews; *Pan African Medical Journal*, 2015

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ABSTRACTS

Aaron Yarmoshuk, Anastasia Guantai, Mughwira Mwangi, Donald Cole and Christina Zarownisky; Resilient and Responsive Global Health University Partnerships of East African Universities in a changing World; presented at the Fourth Global Symposium on Health Systems Research (HSR'16), 9th Nov, **2016 Abstract**

Irene Chege, Anastasia Nkatha Guantai, Faith Apolot Okalebo, Screening of Kenyan Hypoglycemic Formulations in Alloxan Treated Wistar Rats. Presented at the 3rd International Scientific Conference; Organized by University of Nairobi (College of Health Sciences) and Kenyatta National Hospital, Nairobi, Kenya, 10th -12th June, **2015 Abstract**

Jane Kivai and Anastasia N, Guantai; Review of therapeutic outcome of management of AIDS related Kaposi's Sarcoma, Presented at the 3rd International Scientific Conference; Organized by University of Nairobi (College of Health Sciences) and Kenyatta National Hospital, Nairobi, Kenya, 10th -12th June, **2015 Abstract**

Irene Chege, Anastasia Nkatha Guantai, Faith Apolot Okalebo; A Cohort Study; Comparison of the Safety and Effectiveness of Anti- diabetic Herbal Preparations and Allopathic Therapies; Presented at the 3rd International Scientific Conference; Organized by University of Nairobi (College of Health Sciences) and Kenyatta National Hospital, Nairobi, Kenya, 10-12 June, **2015**

A Guantai, G Murila, K Wanjeri, P Mukiria & C Kibiwott; Maggot Debridement Therapy; The Biotherapeutic method of Healing Chronic Wounds: Pilot study conducted at KNH; Presented at the WCSK Half day Symposium at Panafric Hotel, Sat 26, **April, 2014**.

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Muthaura C.N., Rukunga G.M., Chhabra S.C., Omar S.A., Guantai A.N., Gathirwa J.W., Tolo F.M., Mwitari P.G., Keter L.K. Kirira P.G., Kimani C.W., Njagi E.N.M. Antimalarial activity of some plants traditionally used in treatment of malaria in Kwale district of Kenya., Proceedings of The African Health Sciences Congress held in Durban South Africa, Dec. **2006** *Abstract*

Guantai A. N., Bioethics in Health Sciences Research: Proceedings of the 25th African Health Sciences Congress held at Intercontinental Hotel Nairobi Kenya, 4th – 7th Oct. **2004**. *Abstract*.

Guantai A. N., Addae-Mensah I., Muriuki Gichuru. A Pharmacological investigation of the hypoglycemic activity of *Artemisia afra*: 3rd Annual Congress on medicinal plant Research, Freiburg 12-16 (P2-1, 26). **1988** *Abstract*

M. CERTIFICATES

1. ***Certificate Of Participation:*** Diabetes awareness Campaign

Held at University of Nairobi CHS during World Diabetes Day, Nov.14, **2015**.

2.***Certificate Of Contribution:*** Organizer; Clinical Chronic Disease Management- Diabetes and Hypertension Management Course,an EXCEMED Program held at College of Health Sciences ,University of Nairobi 3rd Sep,**2014**.

3.***Certificate Of Attendance:*** Clinical Chronic Disease Management- Diabetes and

Hypertension Management Course, an EXCEMED Program held at College of Health Sciences ,University of Nairobi 3rd Sep,2014.

4.Certificate Of Completion: Vaccinology Training for Pharmacists Course, Training of Trainers , held at college of Health Sciences University of Nairobi 7th -11th June 2014

4.Certificate Of Participation: The Good Clinical Practice and Good Clinical

Laboratory Practice Refresher Course, held at Kenya Medical Research Institute, Nairobi Kenya, 5th July 2010.

2. **Certificate Of Appreciation:** Integrative and Organ Systems Pharmacology (IOSP) Workshop, African Initiative, held at School of Pharmacy University of Nairobi, Department of Pharmacology and Pharmacognosy, Nairobi Kenya. 10th – 13th May 2010
3. **Certificate Of Attendance:** Research Ethics. Conducting Research Responsibility. Held at Sunnyside Park Hotel, Johannesburg, South Africa 20th – 22nd October 2009.
4. **Certificate Of Attendance:** National Consensus Building Workshop on Medicines and Therapeutic Committees Held at Marica Hotel Nakuru 27th to 28th November , 2008
5. **Certificate Of Attendance:** Pharmaceutical Society of Kenya – Strategic Plan (2009 – 2013) Development Workshop; Held at Silver Springs Hotel Nairobi 5th – 6th November 2008
6. **Certificate Of Attendance:** National Pharmaceutical Quality Assurance Surveillance Framework Workshop; Held at Windsor Hotel Nairobi 15th – 16th October 2008
7. **Certificate Of Attendance:** 3rd Annual African Leadership Development Conference. Held at Kiserian. June 13th – 14th June 2008
8. **Certificate Of Attendance:** Partnership for Enhancing Human Research Protection II (Primer/Fred Hutchinson Cancer Research Centre (Oct 2005 Durban S.A.)
9. **Certificate Of Attendance:** Research Ethics Committee (REC) Administration 101 (12 hours) Oct 2005 Durban S.A.
10. **Certificate Of Participation:** Malaria Workshop held at Safari Park Hotel 22nd April 2005
11. **Certificate Of Participation:** Non- Clinical Safety testing NICEF/UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases TDR/WHO GENEVA Oct 2004
12. **Certificate Of Attendance:** Ethics and Research Training Workshop – held at Silver Springs Hotel Nairobi May 24th – 26th 2004. University of Washington.
13. **Certificate Of Participation:** Workshop on Advocacy of Access, use and Control of Licit Drugs for Health care providers (Nairobi, 24th – 25th June 2003
14. **Certificate Of Participation:** Good Laboratory Practice (GLP) Workshop 8th – 10th January 2003
15. **Certificate Of Participation:** Visiting Scholar International AIDS Research and Training Program. Ethics of Research with Humans June 1999 (University of Washington USA
16. **Certificate Of Participation:** International Pharmaceutical exhibition (1994) KICC
17. **Certificate Of Registration:** as a Pharmacist (31/8/1979) Pharmacy and Poisons Board (PPB) MOH

P. PAPERS PRESENTED AT CONFERENCES AND WORKSHOPS

Aaron Yarmoshuk, *Anastasia Guantai*, MughwiraMwangu, Donald Cole and Christina Zarownisky; Resilient and Responsive Global Health University Partnerships of East African

Universities in a changing World; presented at the Fourth Global Symposium on Health Systems Research (HSR'16), Nov 9th 2016.

Guantai A.N; Concerns for Kenyan Ethics Committee when approving North- South Collaborative Projects Presented at TRUST Equitable Research Partnership Meeting, held at Nairobi Safari Park Hotel 23-25, May 2016.

Kivai J. Mueni, **Guantai A. Nkatha**, Mwanda W. Otieno, Maitho T. Elias; Review Of Therapeutic Outcome Of Patients With Aids- Related Kaposi's Sarcoma At Kenyatta National Hospital Presented at CHS-KNH Joint International Scientific Conference held at CHS June 2015.

Guantai A.N. Research Funding, and dissemination of Research Findings: Presented at the UON-KNH Management Workshop; Great Rift Valley Lodge, Naivasha, 30th October 2014.

Guantai A.N. Demystifying ethics and research committee (ERC); presented at the KNH Research and Programs Dept. Workshop ,15th Feb 2013.

Guantai A.N: KNH-UoN- Ethics and Research Committee (ERC) Challenges and Mitigations: Presented to the KNH Management Board sensitization Forum, held at Utalii College, 11th Dec 2012.

Guantai A. National Guidelines for appropriate medicines use; Kenya – School of Monetary Studies. 3rd – 5th February, 2010.

Guantai A. N., HIV/AIDS – Focus on Women – Why?. 3rd Annual African Leadership Development Conference Global Worship Center – Kiserian Kenya. 13th – 14th June 2008

Guantai A. N., Facts on HIV/AIDS. 3rd Annual African Leadership Development Conference Global Worship Center – Kiserian Kenya. 13th – 14th June 2008.

Guantai A. N., HIV/AIDS. Transmission and Clinical Presentation. 3rd Annual African Leadership Development Conference Global Worship Center – Kiserian Kenya. 13th – 14th June 2008

Oluka Mn, Guantai A. N., Masimirembwa C., Estambale Bh

Pharmacogenetics of Drug Metabolizing Enzymes in The Lou Kikuyu and Maasai Ethnic Populations of Kenya, Kempton-Park Conference Centre, Johannesburg, South Africa 21st - 24th May 2007.

Wesongah J.O., Murilla G.A., Guantai A.N., Mdachi R.E., Karanja W.M., Maitho T.E. Use of Eliza Method to Determine Chloramphenicol Kinetics in Red Maasai

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Broeckhoven C., Guantai A. N., C. Masimirembwa Establishment of a Biobank and Pharmacogenetics Database of African Populations, Kempton-Park Conference Centre, Johannesburg, South Africa 21st -24th May 2007.

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HPLC-MS/MS Method for the Analysis of Hydrozinocurcumin in Plasma Kempton-Park

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Guantai A. N. CO-ARTEM: The facts: PSK National Malaria Workshop held at Safari Park Hotel Nairobi on 22nd April **2005**.

Guantai A. N. HIV/AIDS, Transmission, Signs, Symptoms: OAHIP HIV/AIDS Workshop for Deaf and hard of Hearing Community, Held at Imani Conference Center Nakuru, 26th June to 1st July **2005**.

Guantai A. N. Informed Consent: Ethic and Research Workshop held at Silver Springs Hotel Kenya – 24th – 26th May **2004**.

Guantai A. N. Balancing Risks and Benefits in Research involving Human Subjects: Ethics and Research Workshop held at Silver Springs Hotel Kenya 24th – 26th May **2004**.

Guantai A. N. Highlights of Ethics Review at the Kenyatta National Hospital Ethics Review Committee: National Research clearance and Ethics Guidelines Review Workshop 27th – 28th June at Panafric Hotel Nairobi. **2004**.

Guantai A. N. Bioethics in Health Sciences Research: 25th African Health Sciences Congress held at Intercontinental Hotel Nairobi Kenya, 4th – 7th Oct. **2004** .

Guantai A. N. Cost, affordability and accessibility of Anti-Retroviral (ARV) drugs: KMA – ARV Training workshop held in Nakuru Lodge 6th – 10 October **2003**.

Guantai A. N. Immunology and Natural History of HIV Presented at the KMA – ARV Training Workshop held in Nakuru Lodge 6th – 10th October **2003**.

Guantai A. N. Key Note address – The role of Pharmacists in patient care in a hospital set up: Hospital Pharmacist Symposium: Held at Lenana House Nairobi 14th September **2003**.

Guantai A. N. Anti-retroviral (ARV) Drugs and their characteristics: Trainers workshop on Rational use of ARVS held at KCCT Mbagathi 21st – 23rd June **2002**.

Guantai A. N. A survey of analgesic in Kenyan market (case for Nairobi) 1st conference of analgesic advisory board held at Fair View Hotel **2002**.

Guantai A. N. KEYNOTE ADDRESS: Kenyan Pharmacist; current issues on Training and Professional Practice: PSK Annual Symposium Mombasa **2001**.

Guantai A.N. Ethical Issues in HIV/AIDS Research: HIV/AIDS Research capacity strengthening Workshop held at Safari Park Hotel, organized by National Health Research and Development Centre. 18th -20th Dec. **2000**.

Guantai A. N. Pharmacy Graduate Training – Past, Present and Future: Pharmacy Syllabus review and Curriculum Development Workshop held at Garden Hotel, Machakos 10th – 13th April, **1997**.

Guantai A. N. The role of Training Institutions in setting Pharmacy Practice Standards: PSK Annual Symposium, held at Whitesands Hotels 30th May – 2nd June **1997**.

Guantai A. N. Review of drug registration guidelines with special reference to multivitamin preparations Pharmacy and Poisons Board Workshop held at Nyali Beach

Hotel – Mombasa 26th – 30th May **1996**.

Guantai A.N. Physiological effects due to poisoning held at Green, Hills hotel 17th -21st January **1994**.

Guantai A.N. Pesticide poisoning - Rodenticides held at Green, Hills hotel 17th -21st January **1994**.

Guantai A.N. Poisoning due to plants held at Green, Hills hotel 17th -21st Jan. **1994**.

Guantai A.N. Drug registration and the role of clinical data NUPSA - International Exposition K.I.C.C Kenyatta International Conference Centre 14th - 19th Sept **1994**.

Guantai A.N. Training vs opportunities and challenges of the Pharmacist: 1993 Annual PSK symposium Mombasa (May 29-June) 1 **1993**.

Guantai A.N. The contribution of Herbal medicines and their derivatives to management of malaria: 1993 Annual PSK symposium Mombasa May 29 - June 1 **1993**.

CONFERENCES / SYMPOSIA, WORKSHOPS / SEMINAR ATTENDED

Pharmacy and Poisons Board Workshop on Developing Guidelines for Pharmacy Specialties ; held at Lake Naivasha Sawela Lodge,**25-28 Sept 2016**.

KNH/UoN Symposium on Complementary and Alternative Medicine
Lecture Theatre III College of Health Sciences, Thursday, 26th May **2016**.

Creating and Enhancing, Trustworthy, Responsible and Equitable Partnerships in International Research (TRUST) workshop held at Safari Park Hotel, Nairobi, Kenya, 23rd -25th May, **2016**.

First Consultative meeting on ant-microbial use and Resistance in public Health, Agriculture, Livestock and Fisheries, hosted by Ministry of Health, Ministry of Agriculture Livestock and Fisheries and Food Agriculture Organization (FAO) Nairobi, Kenya, 25th Feb **2016**

Curriculum review Workshop; East African Kidney Institute (EAKI): Development of Preceptorship Programs in Renal dialysis (Renal pharmacy, Renal Nutrition, nephrology Nursing , laboratory medicine, dialysis access) held at Sentrim Elementaita Lodge ,Naivasha, **11ths -15th January 2016**

KNH-UON Ethics and Research Committee Self Appraisal Workshop; held at Lake Naivasha Fish Eagle Lodge **Sept 2015**

Workshop on Creation of pool of Trainers for the Health Supply Chain training Curriculum , held in Rwanda, **17th -20th August 2015**.

Impact Evaluation Framework workshop; Partnership for Improved Medical Education in Kenya (PRIME-K); held at Lukenya Getaway **10th -12th August, 2015**

3rd International Scientific Conference, held at College of Health Sciences, Univ.n of Nairobi, **10th -12th June, 2015**

Workshop on Curriculum development, review and approval of accreditation files,
Held in Rwanda from **25th -29th May, 2015**

Taking Cancer to the Next Level, KNH &UON Symposium, Held at CHS LTIII , **8th April 2015**

Grants Proposal Writing Training Workshop; held at Chiromo Conference Centre; **March 2015**

The 5th Annual East African Health and Scientific Conference, held at Kampala Serena Hotel and Conference Centre, **25th -27th March, 2015**

Vaccinology Training Course for Pharmacists: Organized by School of Pharmacy ,University of Nairobi in Collaboration with Kansas University USA, held at Univ. of Nairobi, Kenya **7th -13th 2014.**

Sensitization Workshop On Ethics And Research Conduct For Senior Management, Deans/Directors, Chairmen Of Departments/Uon Bio-Safety Committee Members And Research Development Advisory Board Members Held at Central Catering Unit (CCU) UoN **Wed, November 20, 2013.**

Joint UMB-Deans/Directors-UNES Consultative Workshop “ **Optimising Synergies for Excellence**” held at CCU Conference hall, **29th August, 2012**

PSK Workshop to review the outputs of the stakeholders Technical Working Group on Pharmacy Laws; held at Maanzoni Lodge, Machakos County, **23rd and 24th July 2012**

African Conference of Pharmacology, held in Accra Ghana, **10th -12th July 2012.**

Bioethics Training Workshop to build capacity in Kenyan Research Ethics Committees, held at the Kenya School of Law, Karen; **25th -29th June , 2012**

KNH-UoN-ERC: Induction and Self Appraisal Workshop, held at the Staff Training Centre ,Rahmutullah Wing-KNH, **27th -28th Feb, 2012**

Social Science Seminar for Ethics Review Committee Members held at Kenya Medical Research Institute (KEMRI) **30th August 2010**

Institute of Primate Research (IPR)/ National Museums of Kenya, 18th IPR International Biomedical Research Conference held at Kenya Institute of Education (KIE) **6th – 8th July 2010**

The Good Clinical Practice and Good Clinical Laboratory Practice Refresher Course, held at Kenya Medical Research Institute, Nairobi Kenya, **5th July 2010**

ANDi (African Network for Drugs and Diagnostics Innovation). The Seventh Meeting of the Task Force. Held at Geneva, Switzerland. **1st – 2nd July 2010**

IOSP Workshop, Integrative and Organ Systems Pharmacology (IOSP) African Initiative,

held at School of Pharmacy, Department of Pharmacology and Pharmacognosy, Nairobi Kenya. **10th – 13th May 2010**

ANDi (African Network for Drugs and Diagnostics Innovation). The sixth Meeting of the Task Force. Held at Addis, Ethiopia. **3rd – 4th May 2010**

National Medicine and Therapeutics Committee – Consultative Meeting on the proposed National Guidelines for appropriate Medicines Use, held at Kenya School of Monetary Studies from 3rd - 5th **February 2010**

ANDi (African Network for Drugs and Diagnostics Innovation). The Fifth Meeting of the Task Force. Held at Sharm-el Sheik, Egypt. **25th – 26th January 2010**

National Council of Science and Technology and UNESCO. Working Methods of the National Bioethics Committee. Sarova Lion Hill Hotel Nakuru. **16th – 18th November, 2009**

The Steve Biko Centre for Bioethics, University of Witwatersrand (WITS) . Training workshop on Research Ethics “Conducting Research responsibility: Johannesburg, South Africa **20th – 23rd October 2009**

ANDi (African Network for Drugs and Diagnostics Innovation) 2nd Task Force Stakeholders Meeting held at Medical Research Council in Cape Town, South Africa **4th – 7th October ,2009**

ANDi (African Network for Drugs and Diagnostics Innovation) Task Force; Global Ministerial Forum on Research for Health; Strengthening research for health development and equity Bamako Mali 17th – 19th **November, 2008**

ANDi (African Network for Drugs and Diagnostics Innovation) 1st Task Force: Creating a sustainable platform for R&D Innovation in Africa, Founding Meeting in Abuja, Nigeria 6th – 8th **October 2008**

KNH-UON-ERC –Self Appraisal Workshop, Silver Springs Hotel July **2008**

2007 Annual Human Research Protection Programs (HRPP) Conference in an Evolving Research Landscape, Sheraton Boston Hotel & Hynes Convention Center, Boston, MA. December 1st – 4th , **2007**

USHEPiA Strategy Conference at the University of Cape Town, South Africa, 10th – 14th November, **2007**

Tianjin University of Traditional Chinese Medicine, Advanced Training Program of Research and Development of Medicinal plants for African Countries. 10th – 28th Sept **2007**

Corporate Governance Training for Board Members of State Corporations/statutory Boards-Serena Beach Hotel, Mombasa 15th to 20th July **2007**

The First African Conference on Drug Metabolism and Development – Advance in Drug Metabolism and Development (ASDMD), Kempton-Park Conference Center Johannesburg, South Africa 21st -24th May **2007**

The African Health Sciences Congress held in Durban South Africa December 3rd – 6th **2006**

2007 Annual Human Research Protection Programs (HRPP) Conference. - A Commitment to Ethical Research Advancing the Mission of the Human Research Protection Program, Marriot Wardman Park Hotel. Washington D.C. November 15th – 18th, **2006**

Good Laboratory Practice Training Workshop (Technical & Support staff for Kesho Bora Multi-centre clinical study) held at Kenya School of Law 9th – 11th August **2006**

Pesticides Safe use Training, National Review Workshop, Held at Reef Beach Hotel Mombasa Organizers PCPB, AAK and Ministry of Agriculture 7th – 10th February **2005**,

National Conference on Revitalizing of the Agriculture Sector held at Safari Park Hotel Nairobi 20th – 24th February **2005**

National Malaria Workshop – PSK: Held at Safari Park Hotel Nairobi on 22nd April **2005**

Organization for Hearing Impaired Persons (OAHIP) HIV/AIDS Workshop for Deaf and Hard of Hearing Community. Held at Imani Conference Center Nakuru Organizers: OAHIP International 26th June to 1st July **2005**,

Strategic Planning – Faculty of Pharmacy Workshop: held at Garden Hotel Machakos 10th – 13th July **2005**.

Good Laboratory Practice Training Workshop (UON/KNH staff) held at Jacaranda Hotel 1st – 3rd April **2004**

Training on Non – Clinical Safety Testing – TDR/WHO Workshop: held at Birchwood Executive Hotel Johannesburg South Africa 13th – 15th October **2004**

National Consensus Workshop (HIV/AIDS Vaccine Research): held at Safari Park Hotel 25th – 26th November **2004**.

Kenya Treatment and Care Consultation Workshop held at Pan Afric Hotel Nairobi Wednesday 8th December **2004**.

Workshop on project planning and evaluation in biomedical research held at the Convention Centre Cape Town South Africa 31st May – 3rd June **2004**

13th International Conference on AIDS and STI in Africa (ICASA): held at the Kenyatta International Conference Centre (KICC) Nairobi Kenya 21st – 26th September **2003**.

Hospital Pharmacist Symposium Held at Lenana House Nairobi Sunday 14th Sept **2003**

International AIDS Research Training Programme – Development and application of Research and Ethics Data Base – (Short term Scholar) University of Washington Seattle 19th July – 2nd August **2003**

WHO/TDR Workshop for Natural Product for Drug Delivery held at the Holiday Inn Garden Avenue Daresalaam Tanzania 8th – 11th December **2003**

Advocacy, Access, use and control of licit drugs in Kenya for Health care providers; Held at Methodist Guest House 24th – 25th June **2003**

WHO/TDR, IPR, KETRI Workshop on Good Laboratory Practice: held at National Museums of Kenya Nairobi 8th – 10th January **2003**

Illicit Drug Demand Reduction Seminar for the Health Sector NGO Network: held at the Silver Springs Hotel Nairobi 15th June **2002**.

Training of Trainers Workshop – Rational use of Antiretrovirals – Lake Naivasha/Country Club May **2002**

Second Conference of analgesics advisory board held in Naivasha 25th – 26th May **2002**

Pharmaceutical Society of Kenya Scientific Conference – Voyager Hotel May **2002**

International Congress on Analgesia – Amsterdam (Netherlands) 19th – 24th February **2002**

Ngong/Kiserian Community Leaders Consultative Workshop on Typhoid Prevention Control and Treatment, Eureka Retreat Centre 21st – 22nd Nov **2001**

Ngong/Kiserian Health Workers Consultative Workshop on Typhoid Prevention, Control and treatment - Eureka Retreat Centre – Kiserian 17th – 18th Oct **2001**

38. Training of Trainers workshop on Reproductive Health and contraception for Pharmacy Personnel held at Panafric Hotel 6th and 7th Sept **2001**

39. HIV/AIDS Research capacity strengthening workshop– Safari Park Hotel organized by National Health Research and Development Centre 18th -20th December. **2000**

40. Workshop on the reform of the Drug regulation in Kenya – Whitesands Hotel – Mombasa 8th – 14th August **1999**.

41. International AIDS Research Training Programme Ethics of Research with Humans Past, Present & Future – (Short term Scholar) University of Washington Seattle June **1999**

42. 3rd Society of Clinical and Experimental Pharmacology in the PTA/Commesa/SADC Countries (SOCEPTA) Biennial Conference: held at Panafric Hotel Nairobi 7 – 9 Dec. **1998**.

43. A workshop on stakeholders on the review of pharmaceutical legislation – Mt. Kenya Safari Club, Nanyuki 29th Nov.-2nd Dec. **1998**.

44. Pharmacy and Poisons Board Workshop on Revision of drug registration guidelines Held at Nyali Beach Hotel Mombasa 26th – 30th May **1996**

45. Pharmacy undergraduate syllabi, review and harmonization Workshop Harare - April **1996**

46. Workshop on Management of Poisoning. (Green Hills Hotel Nyeri 17th - 21st January FIP congress Vancouver Canada – **1996**

53. Management seminar for University of Nairobi Administrators 9th – 10th Nov. **1995**

54. Pharmacy & Poisons Board Workshop on (Review of drug registration guidelines). –

Garden Hotel 14th - 18th August **1994**

55. Kenya National Drug Policy. Final workshop (Garden Hotel Machakos September 6th **1993**)
56. WHO/UNICEF/PSK/OPP Workshop on Rational treatment of childhood diarrhoea August **1992**.
57. TOPP - Workshop on Drug Control (27th - 31st January **1992**) (Ministry of Health /GTZ)
58. Health, Law and Ethics 1st Conference organized by Medical Practitioners and Dentist Board Nairobi Kenya, held at Silver Springs Hotel **1990**
59. KEMRI/KETRI Annual Scientific Conference **1989 and annually**
60. 36th Annual Congress on Medicinal Plant Research - Freiburg 12-16 September **1988**.

S. PROFESSIONAL AFFLIATION AND MEMBERSHIP TO SCIENTIFIC

ASSOCIATIONS AND REATED CONTRIBUTIONS

1. **Member:** Applied Research Ethics National Association (ARENA) Division of Public Responsibility In Medicine and Research (PRIM & R) Dec. **2005 to date**
2. **Member:** Consortium for the study of Pharmacogenetics in Africa (CoPhaA) **2007 to date**
3. **Vice-President:** (Basic pharmacology) SOCEPTA **Dec. 1998 to Sept 2001**
4. **Member:** of Society for Clinical and Experimental Pharmacology in PTA Countries (SOCEPTA) **1998 to date**
5. **Chairperson:** Kenya Women Pharmacy Association (KEWOPHA) August **1997** to date
6. **Member :** the Natural Products Research Network for Eastern and Central Africa (NAPRECA) **1992 to date**
7. **Registered Pharmacist:** (**1979**) (Reg. No. 658)
8. **Member:** Pharmaceutical Society of Kenya (P.S.K) **1979 to date**.
9. **Member:** Analgesic Advisory Board **2002 to date**.
10. **Editor In Chief;** *African Journal of Pharmacology and Therapeutics (AJPT); March 2012 to date.*
11. **Reviewer:** of Research Proposals for Kenyatta National Hospital – Ethics and Research. Committee **1989 to date**

T. RESEARCH GRANTS/AWARDS/SCHOLARSHIPS

2007/2008 Over Ksh. 3m worth of equipment and furniture through AiBST/UON

Collaborative Project.

2005/2006 WHO USD 7,500 through KEMRI/UON collaborative project on antimalarial from natural sources. Purchase of ELISA PLATE READER

- 2003/2004 - GLP Training funds WHO (School of Pharmacy, KNH, NQCL staff)
Amount USD 15,867
- 1999 MIM/WHO/TDR Botanical Antimalarial Drug in Eastern Africa - USD 78,000
- 1998 WHO/TDR Project Development – USD 10,000
- 1992 University Dean’s Committee grant Phytochemical and Pharmacological
Investigation of croton species (Euphorbiaceae) occurring in Kenya
- 1981 – 1992 DAAD Scholarship (MSc)
- 1984 British Council Scholarship (6 months) Evaluation of Kenyan flora for
Antimalarial activity.
- 1984 University Dean’s Committee grant (chloroquine Drug interactions)
- 2006 GLP Training Funds – WHO (Kesho Bora staff)
Amount USD 5,600.

U. COLLABORATIVE RESEARCH

Co Investigator: Yates Health – Regulated Pharmacy Finder, A mobile application to help patients find the cheapest quality medicines from registered pharmacy closest to them. 2016 (P.I Carrington Oudah OneShopPoint)

Co-Investigator; Epidemiology And Outcome Of Kidney Disease At Kenyatta National Hospital; Principal Investigator: Prof. Mungai Ngugi (Director, East Africa Kidney Institute) **2016**

Co-Investigator; Assessing The Regulatory Status Of Selected Pharmaceutical Products Sold In Kenyan Retail Medicine Facilities; Principal investigator, Joel Lehmann (Infospective Research Ltd), **2016**

Co-Investigator; Establishment of a Genomic Medicine Training , Research and Clinical applications Centre of Excellence (GRACE) PI, Prof James Hakim Uni. Of Zimbabwe Submitted to World Bank ACEII, **Sept 2015**

Principal Investigator: Pilot study on Maggot Debridement Therapy: The Biotherapeutic method of Healing Chronic Wounds in Kenya (**Co-Investigators** ;Murila G., *Wanjeri J., Mukiria P., Kibiwott C.) **2014**

CO-Investigator, The effect of Nevirapine on metabolism of Single dose oral 2g metronidazole, (PI Jennifer Balkus, Fred Hutchnsons Cancer Research Centre, Vaccine and Infencious Diseases Division) Submitted to NIH, **2012**

Co-Investigator; KEMRI- Investigation of anti-malarial activity of medicinal herbs, (P.I, Godfrey Rukunga-Kemri) **2006- 2011 Funded by WHO-TDR**

Co-Investigator;Muhimbili University College of Health Sciences.–Investigation of antimalarial activity of natural products including marine life.(P.I Said S.A, Zanzibar) **2008-2010**

Co-Investigator; KEMRI/CLINICAL CHEMISTRY – Pilot study on the effect of Canova treatment of Human Immunodeficiency virus infection in Kenya.(PI, Dr Mbugua –Kemri)

V. BOOK /JOURNAL EDITORIAL/ REVIEWS/ AND REPORTS

BOOK REVIEW

- ♣ Guanidino Compounds in Biology and Medicine. The 3rd International Symposium on Guanidino compounds in Biology and Medicine. Edited by P.P De Deyn, B. Marescau B. Stalon and I.A. Gureshr **1992.**
- ♣ Power and Dependence: Social Audit on the safety of medicines by Charles Medawar.

EDITORIAL RESPONSIBILITIES

Editor-in-Chief ; African Journal of Pharmacology and Therapeutics (AJPT), **2012 to date**

JOURNAL REVIEW

- ♣ **REVIEWER:** for the East .African .Medical .Journal.**1995 to date**
- ♣ **REVIEWER:** African Health Sciences Journal (Makerere University Medical School **2003 to date.**
- ♣ **REVIEWER:** Discovery and Innovation.

REPORTS

- Guantai A N et al;** Institutional Strategy on Strengthening and Improving Academic Programmes and Related Activities: A report of an Ad Hoc Committee **2012**
- ♣ **Wangombe, J, Guantai A. N. et al** Staff Satisfaction Survey Report - College of Health

Sciences University of Nairobi. **April - May 2008**

- ♣ *Nyakundi, P, Guantai A.N.* Comparing sublingual r-Neuraminidase with standard, Antiretroviral Drug Therapy for Safety, Tolerability and Efficacy in the Treatment of HIV/AIDS patients. **2007**
- ♣ *Guantai A. N. Kigundu C.S. Mbugua, G. G.* Case reports on the use of AiKe Chong Ji (ZYI) in patients with HIV/AIDS June **2006**
- ♣ *Guantai A.N:* Report on Pharmacy Training and Practice Excerpta Medica Japan Interview, For KIRIN Information on drugs and science (KIDS), 29th May **2001**.
- ♣ *Kibwage I.O., Guantai A. N.* Report of the workshop of stakeholders on the review of pharmaceutical Legislation held at (Mt. Kenya Safari Club, Nanyuki 29th Nov. **1998**.
- ♣ *Guantai A. N. Ndemo F. A, Karimal L.* Survey on Women in Development: A policy examination of the role of women in the comtech Medical devices Co Ltd Project in Kenya July **1995**
- ♣ *Guantai A. N. Ndemo F. A.* Strategies of Establishing Poison treatment centers and management of poisoning with special emphasis on pesticides GIFAP – Safe use Project Kenya Feb **1994**
- ♣ *Guantai A.N. Kibwage I.O, Ndemo F.A, Maitai C.K, And Ombega J.N.* Incidences of Poisoning in Kenya; A retrospective study 1991 – 1993 – Feb **1994**

W. SCHOLARLY CONTRIBUTIONS

- ♣ *Module On Antiretroviral Drugs And Their Characteristics:* in the *KMA Training Manual* for use of ARVs **2004/2005**
- ♣ *Module: on Pharmacy and Dispensing of ARV Drugs in the KMA Training Manual* for use of ARVs **2004/2005**
- ♣ *Consultant:* Guidelines for use of analgesics in East Africa (**Development of manual**)**2004**
- ♣ *Consultant/Contributor:* “Role of Drug Regulatory Authority” Kenya National Guidelines for research and development of HIV/AIDS vaccines March **2005:** MOH, Kenya
- ♣ *Consultant/Contributor:* Standard Operating Procedures (SOPs) NH/UON/ERC **2004**
- ♣ *Consultant:* Palliative Care for Women with Cervical Cancer: A Kenya Field Manual (PATH Seattle U.S.A) (Development of manual).
- ♣ *Consultant :* Commission for University Education; Reviewer of applications for university accreditation 2010 to date

X. COMMUNITY BASED VOLUNTARY ACTIVITIES

1. *Motivational Speaker/Career Advisor:* Gakando Girls Secondary School - **2007**
2. *Fund Raiser:* Global Worship Centre Development fund July **2006**

3. **Chairman:** Board of Management, Olemoiko Residents Welfare Association **2006 to date**
4. **Motivational Speaker:** Buru Buru Girls Secondary School - **2004**
5. **Chairman:** Board Management, Organization for Assisting Hearing Impaired Persons (OAHIP) **2004 to-date**
6. **Vice Chairperson:** Organization for Assisting Hearing Impaired Persons (OAHIP) **2000 – 2003**
7. **Guest Of Honour:** St Peters church Kiandugui Parish funds drive Oct. **2003**
8. **Organizer And Facilitator:** Ngong/Kiserian Community Leaders Consultative Workshop on Typhoid Prevention Control and Treatment, Eureka Retreat Centre 21st – 22nd Nov **2001**
9. **Organizer And Facilitator:** Ngong/Kiserian Health Workers Consultative Workshop on Typhoid Prevention, Control and treatment - Eureka Retreat Centre – Kiserian 17th – 18th Oct **2001**
10. **Guest Of Honour:** Prize/Speech Day Tumu Tumu Girls High School 24th Sept **1999**
11. **Guest Speaker:** Inspirational Career development Lecture to Tumutumumu Girls High School 27th Feb **1999**
12. **Assistant Treasurer:** Oletayan/Oloseos self help community project **1998 to date**
13. **Advisor:** Career Development Lecture to Tumu Tumu Girls High School – Friday 10th May **1996**

Y. LEADERSHIP/ORGANIZATIONAL EXPERIENCE

1. **Organizer/Team Leader/ Facilitator:** Good Laboratory Practice Training Workshop (Technical & Support staff for Kesho Bora Mult- centre clinical study) held Kenya School of Law 9th – 11th August **2006**
2. **Chairman:** Pesticide Products Control Board (**Presidential appointment**) April **2002 to date**
3. **Chairman:** Olemoiko Residents Welfare Association **2006**
4. **Chairperson:** Legal/Ethics Thematic group for implementation of Kenyan National Guidelines for research and Development of HIV/AIDS Vaccine **2005 to date**
5. **Chairman:** Organization for Assisting Hearing Impaired Persons (OAHIP) **2004 to-date**
6. **Organizer/Team Leader/ Facilitator:** Good Laboratory Practice Training Workshop (UON/KNH staff) held at Jacaranda Hotel 1st – 3rd April **2004**
7. **Elected Dean:** Faculty of Pharmacy (**4 years**) 2000 April 7th – **2004** July 6th
8. **Chairman:** Hospital Therapeutics Committee Kenyatta National Hospital **May 2002**
9. **Chairman:** Department of Pharmacy July 2nd 1993 – **1995**
10. **Acting Dean:** Faculty of Pharmacy (**5years**) 1995 July 3rd – **2000** April 6th
11. **Vice-President:** (Basic pharmacology) SOCEPTA **Dec. 1998 to Sept 2001**
12. **Organizer/Team Leader/ Facilitator:** Ngong/Kiserian Health Workers Consultative Workshop on Typhoid Prevention, Control and treatment - Eureka Retreat Centre – Kiserian 17th – 18th Oct **2001**
13. **Organizer/Team Leader/ Facilitator:** Ngong/Kiserian Community Leaders Consultative Workshop on Typhoid Prevention Control and Treatment, Eureka Retreat Centre 21st – 22nd Nov **2001**
14. **Chairperson:** Kenya Women Pharmacy Association (KEWOPHA) 23rd August

1997 to date

15. **Chairman:** Faculty of medicine prospectus committee **1994 - 1995**
16. **Member Of Organizing Committee:** Faculty of Medicine Silver Jubilee Committee July **1995**
17. **Ag. Dean:** Faculty of Medicine in charge of the Department of Pharmacy **1990-1993**
18. **Member:** the Faculty of Medicine 8:4:8 syllabus harmonization committee **1989 – 1993**
19. **Chairman:** Faculty of Pharmacy University of Nairobi Alumni **1993** to date
20. **Hon. Secretary:** & Executive member of Board of Trustees Pharmacy Development Trust. **1993 to date**
21. **Member And Ag. Chairman:** of the Faculty income-generating committee **1992**
22. **Chairman:** departmental Clinical/responsibility allowance committee
23. **Chairman:** income generating committees
24. **Technical Secretary:** Kenyatta National Hospital – Ethics and Research Committee (KNH-ERC) **1990 to date**

Z. TRAINING AND CAPACITY BUILDING

2006 to date -Establishment Of UoN/AiBST Molecular Biology And Bioanalytical Laboratory For Postgraduate Training And Research facility for staff.

2006 –15 technical and support staff trained on GLP for Kesho Bora Multi – centre clinical study for Kenyan site.

2004 –55 Academic, Technical and clinical staff from Faculty of Pharmacy University of Nairobi department of medical physiology University of Nairobi, Kenyatta National Hospital Pharmacy Division and National Quality Control trained on Good Laboratory Practices

2005/2006 –3 Technologists from Muhimbili University Tanzania trained on *invitro* antiplasmodial drug testing techniques in our laboratory under the KEMRI/UON/WHO funded collaborative project.

2 school of Pharmacy technicians also underwent the job training under the same project.

2005/2006 – Established WHO validated bio assay screening centre for drug discovery.

1999/2000 – 4 MSc students trained under the WHO/TDR funded MIM 990096 Project on Natural Antimalarial Discovery.

4 Final Year B.Pharm Pharmacy student project financed and supervised.

2005- 2006 - Establishment Of Mim Research Laboratory

STUDENTS MOTIVATION AND MENTORSHIP

As Dean - Negotiated for the following university academic awards/prizes

- ♣ **Pfizer Prize** – for Best Final Year student in Pharmacy
- ♣ **Omaera Prize** – Best Final Year student in *Pharmacology*
- ♣ **Lab and Allied Prize** – for 1st, 2nd and 3rd Best Final Year student in Pharmacy
- ♣ **Regal Pharmaceutical Ltd Excellence Award** - Best Final Year student in *Pharmaceutics*

As *Chairman* of Kenya Women Pharmacists Association (KEWOPHA) - Established **The**

Olujemisi Daramola Memorial Award (Donated by members of the Association) for Best Final Year female Pharmacy Student who was shown consistent academic performance and leadership in the professional years - 1998 to date.