

## **CURRICULUM VITAE**

**NAME:** KAMAU

**OTHER NAMES:** FRANCO NGUIBUTI

**MARITAL STATUS:** MARRIED

**DATE OF BIRTH:** JULY 1950

**NATIONALITY:** KENYAN

**PRESENT POSITION:** ASSOCIATE PROFESSOR, PHARMACEUTICAL AND  
MEDICINAL CHEMISTRY  
UNIVERSITY OF NAIROBI.

### **A. CONTACT INFORMATION**

Address (Office) Department of Pharmaceutical Chemistry,  
School of Pharmacy,  
College of Health Sciences,  
University of Nairobi,  
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Nairobi.

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### **B. EDUCATION AND TRAINING**

2000 Postdoctoral Scholar, K.U. Leuven, Belgium.

1982 – 1988 Doctor of Philosophy (Pharmacy), University of Nairobi, Kenya

1974 - 1976 Master of Science in Pharmaceutical Sciences, University of Aston,  
Birmingham, U.K.

1971 - 1974 Bachelor of Pharmacy, University of Bradford, U.K.

## C. UNIVERSITY EMPLOYMENT

|              |   |
|--------------|---|
| 2002 to date | Associate Professor, Pharmaceutical and Medicinal Chemistry<br>University of Nairobi. |
| 1977 – 2002  | Lecturer, Pharmaceutical and Medicinal Chemistry,<br>University of Nairobi            |
| 1976 – 1977  | Pharmacist, Kenyatta National Hospital  |

## D. UNIVERSITY TEACHING AND SUPERVISION

### Teaching Experience

- 1) Undergraduate (Bachelor of Pharmacy) : Since 1977
- 2) Master of Pharmacy (Pharmaceutical Analysis): Since 1997
- 3) Master of Pharmacy (Clinical Pharmacy): Since 2005
- 4) Master of Science (Pharmacognosy and Complementary Medicine): Since 2005

### Joint Postgraduate Supervision — M. Pharm Research Projects

#### In progress

- 1) Dr. Kefa. M. Bota — Evaluation of the Pharmaceutical Equivalence and Comparative Dissolution Profiles of Erythromycin Stearate Oral Tablet Formulations in the Kenyan Market — 2011.

#### Completed

1. Dr. Paul. M. Njaria — Development and Validation of a Liquid Chromatographic method for the Simultaneous Determination of Bromhexine Guaiaphenesin, Ambroxol, Salbutamol, Terbutaline, Pseudoephedrine, Triprolidine and Chlorphenamine Maleate in Cough-Cold Syrups —2011
2. Dr. Nicholas M. Njuguna — Development and Validation of a Liquid Chromatographic Method for the Simultaneous Determination of Diphenhydramine, Promethazine, Chlorpheniramine and Ephedrine in Cold-Cough Syrups — 2009
3. Dr. Dennis B. Ongarora — Phytochemical Investigation and Antimicrobial Activity of *Blighia unijugata*— 2008
4. Dr. Peter M. Njogu — Antimicrobial Activity and Phytochemical Investigation of *Giardinia diversifolia* - 2007.
5. Dr. Apollo O. Maima - Antimicrobial Screening of Some Plants Used in Luo



## E. EXAMINATION DUTIES

### BOARD OF POSTGRADUATE STUDIES MEMBER, BOARD OF EXAMINERS (BOE)

|                     |  |
|---------------------|--|
| <b>2011</b>         | BPS Member, BOE for Mr. M. O. Onyambu — M.Sc. Thesis         |
| <b>2009</b>         | BPS Internal Examiner Dr. N. M. Njuguna — M. Pharm. Thesis   |
| <b>2009</b>         | BPS Internal Examiner Dr. K. O. Abuga — <b>Ph.D</b> Thesis   |
| <b>2009</b>         | Internal Examiner Dr. D. S. B. Ongarora — M. Pharm. Thesis   |
| <b>2008</b>         | BPS Internal Examiner J.O. Wesonga — <b>Ph.D</b> Thesis      |
| <b>2007</b>         | BPS Member, BOE Dr. P. M. Njogu- M. Pharm. Thesis            |
| <b>2006</b>         | BPS Member, BOE Dr. A.O. Maima - M. Pharm. Thesis            |
| <b>2005</b>         | BPS Member, BOE Dr. Lucia. K. Keter - M. Pharm. Thesis.      |
| <b>2004</b>         | BPS Member, BOE Dr. P. M. Mwangiru - M. Pharm. Thesis.       |
| <b>2004</b>         | BPS Member, BOE Dr. Stanley Njagih Ndigwah - M. Pharm.Thesis |
| <b>2002</b>         | BPS Member, BOE Dr. Beatrice Amugune - M. Pharm. Thesis.     |
| <b>1995 To Date</b> | Member, Board of Examiners, School of Pharmacy               |
| <b>1977— 1995</b>   | Member, Board of Examiners. Faculty of Medicine              |

## E. ADMINISTRATIVE EXPERIENCE

- 2009 – 2011** Acted as Dean, School of Pharmacy, various times.
- 1995 —2011** Acted as Chairman, Department of Pharmaceutical Chemistry, various times.
- 2004 to date** Co-ordinator, Drug Analysis and Research Unit  
(DARU) Department of Pharmaceutical Chemistry

4. **1996 To date** Co-ordinator, Master of Pharmacy  
(Pharmaceutical  
  
Analysis) Program, Department of Pharmaceutical  
Chemistry.
5. **1980's** Head, Section of Pharmaceutical Chemistry,  
  
Department of Pharmacy, University of Nairobi, various times.
6. **2008 to date** Member School of Pharmacy, Proposal Writing  
Committee
7. **2006 to date** Member, Exhibitions Committee, School of  
Pharmacy.
8. **2006 to date** Member, Postgraduate Studies Committee,  
School of  
  
Pharmacy.
9. **2003 to date** Member, School of Pharmacy,  
Undergraduate  
  
Curriculum Committee.
10. **2002 - 2010** Member of Planning Committee, College of Health Sciences,  
  
University of Nairobi, Kenya Universities Exhibition.
11. **1995 To date** Member, School of Pharmacy Board.
12. **1977 — 1995** Member, Faculty of Medicine Board

#### **G. MEMBERSHIP OF PROFESSIONAL SOCIETIES/REGULATORY BODIES**

- 2007 to date** Committee on Drug Registration (Human), Pharmacy and Poisons Board.
- 2006 to date** Committee on Drug Registration (Veterinary), Pharmacy and Poisons Board.
- 1977 to date** Pharmaceutical Society of Kenya.
- Former Member** Institute of Pharmacy Management International.

#### **H. PROFESSIONAL CONSULTANCY SERVICES**

Consultant, Drug Analysis and Research Unit. Consultant  
Pharmacist, Kenyatta National Hospital.

## **J. AREAS OF RESEARCH**

1. Surveillance of quality of pharmaceuticals in circulation in Kenya.
2. Synthesis, structure elucidation and pharmacological evaluation of steroidal indoxyls and derivatives
3. Phytochemical and pharmacological evaluation of medicinal plants.

## **FUNDING**

1. National Council for Science and Technology — 1980s
2. Deans' Committee UON — 1980s
3. Belgian Government - 2000
4. Funds generated from 1GA — DARU – Ongoing

## **K. WORKSHOPS/ CONFERENCES ATTENDED**

1. **2011** Leadership and Management  
Curriculum Integration,  
  
School of Pharmacy
2. **February 2011** Evaluation of Common  
Technical Document (CTD) Applications  
Pharmacy and Poisons Board
3. **November 2010** Evaluation of Common  
Technical Document (CTD) Applications  
Pharmacy and Poisons Board
4. **September 2010** PRE-SERVICE — HIV  
Curriculum Review Meeting — NASCOP
5. **April 2010** Evaluation of Drug Registration Dossiers —  
Pharmacy and Poisons Board
6. **February 2010** World Health Organization

Workshop on Assessment of Quality of Multisource Medicines.

7. **August 2009** World Health Organization Workshop on Assessment of Interchangeable Multisource Medicines
8. **January 2009** Training in Pedagogy, University of Nairobi
9. **September 2006** School of Pharmacy, Postgraduate diploma in Drug Management and Supply, Curriculum Development Workshop, Embu, Kenya.
10. **April 2004** World Health Organization Workshop on Good Laboratory Practice.
11. **2003** International Conference on AIDS and STIs in Africa (ICASA) conference.
4. **2003** School of Pharmacy (University of Nairobi) Curriculum Review Workshop, Nyeri, Kenya

## L. PUBLICATIONS

### A. DISSERTATIONS

1. F.N. **Kamau** (1976). The Base Catalysed Reaction Between 0-nitrobenzaldehyde and Ketosteroids and its Possible Analytical use. M Sc. dissertation, Aston University, Birmingham, UK.
2. F.N. **Kamau** (1988). The Medicinal Chemistry of Some Steroidal Indoxylidene Carboxylic Acids and Derivatives. Ph.D. Thesis. University of Nairobi, Kenya.

### B. RESEARCH PAPERS

1. Ongarora D.S.B., Thoithi G.N., **Kamau F.N.**, Abu.,ga K.O.. Mwangi J.W., and Kibwage I.O. (2009). Triterpenoids from the stem bark of *Blighia Unijugata Bak* (Sapindaceae). Ethiop. Pharm J. 24. 71 —74.

2. A.O. Maima, G. N. Thoithi, S.N. Ndwigah, **F. N. Kamau** and I. O. Kibwage (2008). Phytosterols from the stem bark of *Combretum fragrans* F. Hoffm. East Centr. Afr. J. Pharm. Sci. 11: 52 - 54
3. H. K. Chepkwony, N. Mwaura, E. Guantai, E. Gathoni, **F. N. Kaman**, E. Mbae, G. Wang'ang'a, S. Muteru, N. Birgen and M. Wandeto.(2007) Quality of Antimalarial Drugs Analysed in the National Quality Control Laboratory during the period 2002-2005. East. Cent. Afr..1. Pharm. Sci. 10: 55-71.
4. **F. N. Kamau**, I. O. Kibwage, G. Muriuki, A.N. Guantai, 1-1. Chepkwony, J. Hoogmartens, E. Roets and R. Busson (2006) Steroidal Indoxyls: Evaluation of pKa Values and Anti- inflammatory Activity. East Cent. Afr. J. Pharm Sci. 9: 5 -9.
5. **F. N. Kamau**. (2005). Synthesis of Steroidal Indoxyl and Derivatives from 3-ketosteroid. East Cent. Afr. J. Pharm. Sci. 8: 45 - 49
6. **F.N. Kamau**, G.N. Thoithi, J. K. Ngugi, O.K. Kingondu and I.O. Kibwage (2003). Quality of Amoxicillin preparations on the Kenyan Market. East Cent. Afr. J. Phann. Sci. 6: 57 - 60.
7. **F.N. Kamau**, I.O. Kibwage, G. Muriuki and R. Munenge (2003). Anti-inflammatory and Anti- diarrhoea! Activities of a Steroidal Indoxyl. East Cent. Afr. J. Pharm. Sci. 6: 26-29.
8. **F. N. Kamau**, I.O. Kibwage. G. Muriuki, A.N. Guantai, J. Hoogmartens, E Roets, C. Govaerts, H. Chepkwony And R. Busson (2002). Estrogenic and Anti-inflammatory Activities of a Steroidal Indoxyl. East Cent. Afr. J. Phann. Sci. 5: 44 -48.
9. **F.N. Kamau**, H.K. Chepkwony, J.N. Ngugi, E. Roets and J. Hoogmartens (2002). Isocratic Liquid Chromatographic Method for the Analysis of Azithromycin and its Structurally Related Substances in Bulk Samples. J. Chromat. Sci.: 40. 529 - 533.
10. **F.N. Kamau**, G.N. Thoithi and I.O. Kibwage (2001). Quality of Ampicillin preparations on the Kenyan Market. East Cent. Afr. J. Pharm. Sci 4(1): 25-28.
11. H.K. Chepkwony, **F.N. Kamau**, E. Rodriguez, E. 'Roets and J. Hoogmartens (2001). Isocratic Liquid Chromatographic Method for the Analysis of Roxithromycin

## **K. REFEREES**

The following may be consulted as referees:-

1. Prof. G. N. Thoithi,

Department of Pharmaceutical Chemistry, School of Pharmacy,

University of Nairobi,

P.O. Box 19676 — 00202,

Nairobi.

2. Prof. A. N. Guantai

Department of Pharmacology and Pharmacognosy, School of Pharmacy,

University of Nairobi,

P.O. Box 19676 — 00202,

Nairobi.

2. Prof. Gichuru Muriuki,

Department of Pharmacology and Pharmacognosy, School of Pharmacy,

School of Pharmacy,

University of Nairobi

P.O. Box 19676 – 00202

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